```
                                  MODFLOW-2005
      U.S. GEOLOGICAL SURVEY MODULAR FINITE-DIFFERENCE GROUND-WATER FLOW
MODEL
              VERSION 1.8.00  12/18/2009  Prec:single, x86 GUI-bit)

 LIST FILE: D:\30042014_5\30042014_5.LST
                          UNIT    6

 OPENING D:\30042014_5\30042014_5.WHS
 FILE TYPE:WHS   UNIT   53   STATUS:OLD
 FORMAT:FORMATTED             ACCESS:SEQUENTIAL

 OPENING D:\30042014_5\30042014_5.BAS
 FILE TYPE:BAS6   UNIT   10   STATUS:OLD
 FORMAT:FORMATTED             ACCESS:SEQUENTIAL

 OPENING D:\30042014_5\30042014_5.BCF
 FILE TYPE:BCF6   UNIT   11   STATUS:OLD
 FORMAT:FORMATTED             ACCESS:SEQUENTIAL

 OPENING D:\30042014_5\30042014_5.WEL
 FILE TYPE:WEL   UNIT   12   STATUS:OLD
 FORMAT:FORMATTED             ACCESS:SEQUENTIAL

 OPENING D:\30042014_5\30042014_5.RCH
 FILE TYPE:RCH   UNIT   18   STATUS:OLD
 FORMAT:FORMATTED             ACCESS:SEQUENTIAL

 OPENING D:\30042014_5\30042014_5.OC
 FILE TYPE:OC   UNIT   22   STATUS:OLD
 FORMAT:FORMATTED             ACCESS:SEQUENTIAL

 OPENING D:\30042014_5\30042014_5.STR
 FILE TYPE:STR   UNIT   28   STATUS:OLD
 FORMAT:FORMATTED             ACCESS:SEQUENTIAL

 OPENING D:\30042014_5\30042014_5.DIS
 FILE TYPE:DIS   UNIT   34   STATUS:OLD
 FORMAT:FORMATTED             ACCESS:SEQUENTIAL

 OPENING D:\30042014_5\30042014_5.CLB
 FILE TYPE:CLB   UNIT   54   STATUS:OLD
 FORMAT:FORMATTED             ACCESS:SEQUENTIAL

 OPENING D:\30042014_5\30042014_5.NDC
 FILE TYPE:NDC   UNIT   57   STATUS:OLD
 FORMAT:FORMATTED             ACCESS:SEQUENTIAL

 OPENING D:\30042014_5\30042014_5.HDS
 FILE TYPE:DATA(BINARY)   UNIT  150   STATUS:UNKNOWN
 FORMAT:BINARY                ACCESS:SEQUENTIAL

 OPENING D:\30042014_5\30042014_5.DDN
 FILE TYPE:DATA(BINARY)   UNIT  151   STATUS:UNKNOWN
 FORMAT:BINARY                ACCESS:SEQUENTIAL

 OPENING D:\30042014_5\30042014_5.BGT
 FILE TYPE:DATA(BINARY)   UNIT  154   STATUS:UNKNOWN
 FORMAT:UNFORMATTED           ACCESS:SEQUENTIAL
```

```
 OPENING D:\30042014_5\30042014_5.SFL
 FILE TYPE:DATA(BINARY)   UNIT  155   STATUS:UNKNOWN
 FORMAT:UNFORMATTED            ACCESS:SEQUENTIAL

 OPENING D:\30042014_5\30042014_5.sig
 FILE TYPE:DATA(BINARY)   UNIT  152   STATUS:UNKNOWN
 FORMAT:BINARY                 ACCESS:SEQUENTIAL

 OPENING D:\30042014_5\30042014_5.HVT
 FILE TYPE:DATA(BINARY)   UNIT  153   STATUS:UNKNOWN
 FORMAT:BINARY                 ACCESS:SEQUENTIAL

 BAS -- BASIC PACKAGE, VERSION 7, 5/2/2005 INPUT READ FROM UNIT   10

 DISCRETIZATION INPUT DATA READ FROM UNIT   34
 #Discretization Package translator - (c) 2011 Schlumberger Water
Services
 #30042014_5.DIS Mon May 12 18:22:21 2014
    2 LAYERS       181 ROWS       105 COLUMNS
    1 STRESS PERIOD(S) IN SIMULATION
 MODEL TIME UNIT IS DAYS
 MODEL LENGTH UNIT IS METERS
  Confining bed flag for each layer:
   0   0



                              DELR
 READING ON UNIT   34 WITH FORMAT: (10E16.9)



                              DELC
 READING ON UNIT   34 WITH FORMAT: (10E16.9)



          TOP ELEVATION OF LAYER 1
 READING ON UNIT   34 WITH FORMAT: (10E14.7)



             MODEL LAYER BOTTOM EL. FOR LAYER   1
 READING ON UNIT   34 WITH FORMAT: (10E14.7)



             MODEL LAYER BOTTOM EL. FOR LAYER   2
 READING ON UNIT   34 WITH FORMAT: (10E14.7)


 STRESS PERIOD     LENGTH       TIME STEPS     MULTIPLIER FOR DELT    SS
FLAG
 ------------------------------------------------------------------------
----
        1         1.000000          1                    1.000         SS

 STEADY-STATE SIMULATION
```

```
#Basic Package translator - (c) 2011 Schlumberger Water Services
#30042014_5.BAS Mon May 12 18:22:20 2014



                    BOUNDARY ARRAY FOR LAYER   1
READING ON UNIT   10 WITH FORMAT: (40I2)



                    BOUNDARY ARRAY FOR LAYER   2
READING ON UNIT   10 WITH FORMAT: (40I2)

 AQUIFER HEAD WILL BE SET TO  1.00000E+30 AT ALL NO-FLOW NODES
(IBOUND=0).



                       INITIAL HEAD FOR LAYER   1
READING ON UNIT   10 WITH FORMAT:  (10G12.5)



                       INITIAL HEAD FOR LAYER   2
READING ON UNIT   10 WITH FORMAT:  (10G12.5)

OUTPUT CONTROL IS SPECIFIED EVERY TIME STEP
HEAD PRINT FORMAT CODE IS   0    DRAWDOWN PRINT FORMAT CODE IS   0
HEADS WILL BE SAVED ON UNIT  150    DRAWDOWNS WILL BE SAVED ON UNIT  151
                            OpenMP-parallelized using  2 CPU

BCF -- BLOCK-CENTERED FLOW PACKAGE, VERSION 7, 5/2/2005
        INPUT READ FROM UNIT 11
STEADY-STATE SIMULATION
CELL-BY-CELL FLOWS WILL BE SAVED ON UNIT154
HEAD AT CELLS THAT CONVERT TO DRY= -0.10000E+31
WETTING CAPABILITY IS NOT ACTIVE
     LAYER  LAYER-TYPE CODE     INTERBLOCK T
     ------------------------------------------
        1            3          0 -- HARMONIC
        2            3          0 -- HARMONIC



          COLUMN TO ROW ANISOTROPY
READING ON UNIT   11 WITH FORMAT: (10G11.4)



             HYD. COND. ALONG ROWS FOR LAYER   1
READING ON UNIT   11 WITH FORMAT:  (10G11.4)



          VERT HYD COND /THICKNESS FOR LAYER   1
READING ON UNIT   11 WITH FORMAT:  (10G11.4)

   HYD. COND. ALONG ROWS =  4.320000E-03 FOR LAYER   2
```

```
 WEL -- WELL PACKAGE, VERSION 7, 5/2/2005 INPUT READ FROM UNIT   12
 No named parameters
 MAXIMUM OF     18 ACTIVE WELLS AT ONE TIME
 CELL-BY-CELL FLOWS WILL BE SAVED ON UNIT  154


     0 Well parameters

 RCH -- RECHARGE PACKAGE, VERSION 7, 5/2/2005 INPUT READ FROM UNIT   18
 No named parameters
 OPTION 3 -- RECHARGE TO HIGHEST ACTIVE NODE IN EACH VERTICAL COLUMN
 CELL-BY-CELL FLOWS WILL BE SAVED ON UNIT  154


     0 Recharge parameters

 STR -- STREAM PACKAGE, VERSION 7, 5/2/2005 INPUT READ FROM UNIT   28
 #Stream Routing translator - (c) 2011 Schlumberger Water Services
 #30042014_5.STR Mon May 12 18:22:21 2014
          0 Named Parameters              0 List entries
 MAXIMUM OF    453 ACTIVE STREAM NODES AT ONE TIME
 NUMBER OF STREAM SEGMENTS IS      7
 NUMBER OF STREAM TRIBUTARIES IS      2
 STREAM STAGES WILL BE CALCULATED USING A CONSTANT OF 86400.0000
 CELL BUDGETS WILL BE SAVED ON UNITS  154 AND  155


     0 Stream parameters
0CAL2 -- W.H.S. CALIBRATION PACKAGE INPUT READ FROM UNIT 54
 icalin:         152
 passport%m_data_field_count:           1
 passport%m_passport_reccount:          14
 Success
 # OF CAL POINTS :   14

         14 ELEMENTS IN X ARRAY ARE USED FOR CALIBRATION POINTS
 CALIBRATION POINTS
 ------------------
        1       1     119      66 0.20299600D+04 0.22763400D+04
        2       1     119      66 0.20299600D+04 0.22763400D+04
        3       1     107      71 0.20795500D+04 0.23998900D+04
        4       1     107      71 0.20795500D+04 0.23998900D+04
        5       1     153      29 0.14458200D+04 0.14308400D+04
        6       1      21      33 0.16094700D+04 0.54000900D+04
        7       1      27      88 0.24545100D+04 0.51175700D+04
        8       1      16      97 0.29009900D+04 0.56876500D+04
        9       1      78      79 0.21507900D+04 0.28218600D+04
       10       1     122      56 0.19290500D+04 0.22448900D+04
       11       1     117      62 0.19896000D+04 0.22913200D+04
       12       1     141      44 0.18024800D+04 0.19801100D+04
       13       1      26     103 0.32188200D+04 0.51554100D+04
       14       1      44      88 0.24954700D+04 0.42913000D+04
0WHS1  - CGSTAB-P PROCEDURE SOLUTION PACKAGE, VERSION 1, 8/4/95 INPUT
READ FROM UNIT  1
    1596420 ELEMENTS IN X ARRAY ARE USED BY CGSTAB-P
0
```

SOLUTION BY
CGSTAB-P
---

0 MAXIMUM ITERATIONS
ALLOWED FOR CLOSURE = 800
0 MAXIMUM INNER ITERATIONS
ALLOWED = 400
DAMPING
FACTOR = 0.30000
HEAD CHANGE
CRITERION FOR CLOSURE = 0.50000E-01
MAXIMUM RESIDUAL FOR LINEAR ITERATION 0.10000E-03
MAXIMUM RELATIVE RESIDUAL FOR LINEAR ITERATION 0.00000E+00
1
STRESS PERIOD NO. 1, LENGTH = 1.000000

NUMBER OF TIME STEPS = 1

MULTIPLIER FOR DELT = 1.000

INITIAL TIME STEP SIZE = 1.000000

WELL NO.	LAYER	ROW	COL	STRESS RATE
1	1	28	77	-1730.
2	1	122	56	-5444.
3	1	119	57	-4749.
4	1	117	62	-5444.
5	1	107	66	-699.0
6	1	106	65	-5444.
7	1	31	52	-959.0
8	1	148	32	-8640.
9	1	147	35	-8640.
10	1	145	34	-4320.
11	1	22	25	-994.0
12	2	21	25	-0.6097E-04
13	1	21	25	-994.0
14	2	118	73	-0.6979E-04
15	1	118	73	-1730.
16	1	140	60	-3014.
17	1	140	61	-5451.
18	1	49	87	-4320.

18 WELLS

RECHARGE = 0.00000

LAYER	ROW	COL	SEGMENT NUMBER	REACH NUMBER	STREAMFLOW	STREAM STAGE	STREAMBED CONDUCTANCE	STREAMBED BOT ELEVATION	STREAMBED TOP ELEVATION
2	2	43	1	1	0.6463E+05	0.000	0.2883E+05	20.00	21.00
2	2	42	1	2	0.000	0.000	0.3114E+06	19.99	20.99

```
       2      3     42        1        3         0.000       0.000
0.3798E+06         19.91        20.91
       2      3     41        1        4         0.000       0.000
0.6929E+06         19.90        20.90
       2      3     40        1        5         0.000       0.000
0.6184E+06         19.88        20.88
       2      4     39        1        6         0.000       0.000
0.6959E+06         19.81        20.80
       2      4     38        1        7         0.000       0.000
0.9283E+06         19.78        20.78
       2      5     38        1        8         0.000       0.000
0.8165E+06         19.71        20.70
       2      5     37        1        9         0.000       0.000
0.8916E+06         19.67        20.67
       2      6     37        1       10         0.000       0.000
0.8627E+06         19.60        20.59
       2      6     36        1       11         0.000       0.000
0.8545E+06         19.57        20.55
       2      7     36        1       12         0.000       0.000
0.9094E+06         19.49        20.48
       2      7     35        1       13         0.000       0.000
0.8169E+06         19.46        20.44
       2      8     35        1       14         0.000       0.000
0.9566E+06         19.38        20.37
       2      8     34        1       15         0.000       0.000
0.7790E+06         19.35        20.33
       2      9     34        1       16         0.000       0.000
0.1004E+07         19.27        20.25
       2      9     33        1       17         0.000       0.000
0.7406E+06         19.24        20.22
       1     10     33        1       18         0.000       0.000
0.1052E+07         19.17        20.14
       2     10     32        1       19         0.000       0.000
0.7024E+06         19.11        20.09
       1     11     32        1       20         0.000       0.000
0.1764E+07         19.04        20.01
       1     12     32        1       21         0.000       0.000
0.1149E+07         18.97        19.94
       1     12     31        1       22         0.000       0.000
0.6233E+06         18.89        19.86
       1     13     31        1       23         0.000       0.000
0.1783E+07         18.82        19.79
       1     14     31        1       24         0.000       0.000
0.1249E+07         18.75        19.71
       1     14     30        1       25         0.000       0.000
0.5424E+06         18.67        19.64
       1     15     30        1       26         0.000       0.000
0.6908E+06         18.60        19.56
       2      4     80        2        1        0.4742E+05   0.000
0.1119E+07         23.00        24.00
       2      5     80        2        2         0.000       0.000
0.1323E+07         22.83        23.83
       2      6     80        2        3         0.000       0.000
0.1092E+07         22.66        23.65
       2      6     81        2        4         0.000       0.000
0.2446E+06         22.57        23.57
       2      7     81        2        5         0.000       0.000
0.1354E+07         22.40        23.40
       2      8     81        2        6         0.000       0.000
0.1366E+07         22.23        23.22
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       2      9     81        2        7         0.000       0.000
0.1378E+07        22.06        23.05
       2     10     81        2        8         0.000       0.000
0.1163E+07        21.89        22.88
       2     10     80        2        9         0.000       0.000
0.7080E+06        21.80        22.79
       2     11     80        2       10         0.000       0.000
0.2713E+06        21.63        22.62
       2     11     79        2       11         0.000       0.000
0.9901E+06        21.55        22.53
       2     11     78        2       12         0.000       0.000
0.3973E+06        21.49        22.47
       2     11     77        2       13         0.000       0.000
0.3231E+06        21.45        22.44
       2     12     76        2       14         0.000       0.000
0.4016E+06        21.28        22.26
       2     12     75        2       15         0.000       0.000
0.4023E+06        21.24        22.23
       2     12     74        2       16         0.000       0.000
0.4030E+06        21.21        22.19
       2     12     73        2       17         0.000       0.000
0.4037E+06        21.17        22.16
       2     12     72        2       18         0.000       0.000
0.3283E+06        21.14        22.12
       2     13     71        2       19         0.000       0.000
0.4080E+06        20.97        21.95
       2     13     70        2       20         0.000       0.000
0.4087E+06        20.93        21.91
       2     13     69        2       21         0.000       0.000
0.4094E+06        20.90        21.88
       1     13     68        2       22         0.000       0.000
0.4101E+06        20.86        21.84
       1     13     67        2       23         0.000       0.000
0.3336E+06        20.83        21.81
       2     14     66        2       24         0.000       0.000
0.4145E+06        20.65        21.63
       2     14     65        2       25         0.000       0.000
0.4152E+06        20.62        21.60
       2     14     64        2       26         0.000       0.000
0.4159E+06        20.59        21.56
       1     14     63        2       27         0.000       0.000
0.4166E+06        20.55        21.53
       1     14     62        2       28         0.000       0.000
0.3541E+06        20.52        21.49
       1     14     61        2       29         0.000       0.000
0.2959E+06        20.48        21.46
       1     14     60        2       30         0.000       0.000
0.2964E+06        20.45        21.43
       1     14     59        2       31         0.000       0.000
0.2969E+06        20.41        21.39
       1     14     58        2       32         0.000       0.000
0.2974E+06        20.38        21.36
       1     14     57        2       33         0.000       0.000
0.2980E+06        20.35        21.32
       1     14     56        2       34         0.000       0.000
0.2985E+06        20.31        21.29
       1     14     55        2       35         0.000       0.000
0.2611E+06        20.28        21.25
       2     15     55        2       36         0.000       0.000
0.3817E+05        20.11        21.08
```

```
       2     15     54        2       37         0.000       0.000
0.3020E+06        20.07        21.05
       1     15     53        2       38         0.000       0.000
0.3025E+06        20.04        21.01
       1     15     52        2       39         0.000       0.000
0.3031E+06        20.00        20.98
       1     15     51        2       40         0.000       0.000
0.3036E+06        19.97        20.94
       1     15     50        2       41         0.000       0.000
0.3041E+06        19.93        20.91
       1     15     49        2       42         0.000       0.000
0.3046E+06        19.90        20.87
       1     15     48        2       43         0.000       0.000
0.3051E+06        19.87        20.84
       1     15     47        2       44         0.000       0.000
0.3056E+06        19.83        20.80
       1     15     46        2       45         0.000       0.000
0.3061E+06        19.80        20.77
       1     15     45        2       46         0.000       0.000
0.3066E+06        19.76        20.73
       1     15     44        2       47         0.000       0.000
0.3072E+06        19.73        20.70
       1     15     43        2       48         0.000       0.000
0.3077E+06        19.70        20.67
       1     15     42        2       49         0.000       0.000
0.3082E+06        19.66        20.63
       1     15     41        2       50         0.000       0.000
0.3087E+06        19.63        20.60
       1     15     40        2       51         0.000       0.000
0.3092E+06        19.59        20.56
       1     15     39        2       52         0.000       0.000
0.3097E+06        19.56        20.53
       1     15     38        2       53         0.000       0.000
0.7766E+06        19.50        20.47
       1     15     37        2       54         0.000       0.000
0.7798E+06        19.41        20.38
       1     15     36        2       55         0.000       0.000
0.7831E+06        19.33        20.29
       1     15     35        2       56         0.000       0.000
0.7863E+06        19.24        20.21
       1     15     34        2       57         0.000       0.000
0.7896E+06        19.16        20.12
       1     15     33        2       58         0.000       0.000
0.7928E+06        19.07        20.03
       1     15     32        2       59         0.000       0.000
0.1595E+07        18.94        19.91
       1     15     31        2       60         0.000       0.000
0.1608E+07        18.77        19.73
       1     15     30        2       61         0.000       0.000
0.5424E+06        18.60        19.56
       1     15     30        3        1        -1.000       0.000
0.1616E+07        18.60        19.56
       1     16     29        3        2         0.000       0.000
0.2451E+07        18.48        19.43
       1     16     28        3        3         0.000       0.000
0.1461E+06        18.39        19.34
       1     17     28        3        4         0.000       0.000
0.1957E+07        18.30        19.25
       1     18     28        3        5         0.000       0.000
0.1963E+07        18.21        19.16
```

1	19	28	3	6	0.000	0.000
0.8372E+06		18.12	19.07			
1	19	27	3	7	0.000	0.000
0.1136E+07		18.03	18.97			
1	20	27	3	8	0.000	0.000
0.1982E+07		17.94	18.88			
1	21	27	3	9	0.000	0.000
0.1840E+07		17.85	18.79			
1	21	26	3	10	0.000	0.000
0.1495E+06		17.76	18.70			
1	22	26	3	11	0.000	0.000
0.2017E+07		17.67	18.61			
1	23	26	3	12	0.000	0.000
0.1199E+07		17.58	18.51			
1	23	27	3	13	0.000	0.000
0.9337E+06		17.49	18.42			
1	24	27	3	14	0.000	0.000
0.2143E+07		17.40	18.33			
1	25	27	3	15	0.000	0.000
0.8073E+06		17.31	18.24			
1	25	28	3	16	0.000	0.000
0.1347E+07		17.22	18.15			
1	26	28	3	17	0.000	0.000
0.2164E+07		17.13	18.06			
1	27	28	3	18	0.000	0.000
0.4081E+06		17.05	17.96			
1	27	29	3	19	0.000	0.000
0.1947E+07		16.96	17.87			
1	28	29	3	20	0.000	0.000
0.1200E+07		16.87	17.78			
1	28	30	3	21	0.000	0.000
0.1219E+07		16.78	17.69			
2	29	30	3	22	0.000	0.000
0.1374E+07		16.69	17.60			
1	29	31	3	23	0.000	0.000
0.2004E+07		16.60	17.50			
1	29	32	3	24	0.000	0.000
0.2010E+07		16.51	17.41			
1	29	33	3	25	0.000	0.000
0.1008E+07		16.44	17.34			
1	29	34	3	26	0.000	0.000
0.1395E+06		16.40	17.30			
1	30	34	3	27	0.000	0.000
0.8728E+06		16.31	17.21			
1	30	35	3	28	0.000	0.000
0.1015E+07		16.26	17.16			
1	30	36	3	29	0.000	0.000
0.1016E+07		16.22	17.11			
1	30	37	3	30	0.000	0.000
0.1018E+07		16.17	17.07			
1	30	38	3	31	0.000	0.000
0.1020E+07		16.13	17.02			
1	30	39	3	32	0.000	0.000
0.4083E+06		16.10	16.99			
1	30	40	3	33	0.000	0.000
0.4086E+06		16.08	16.97			
1	30	41	3	34	0.000	0.000
0.4089E+06		16.06	16.95			
1	30	42	3	35	0.000	0.000
0.4092E+06		16.04	16.93			

1	30	43	3	36	0.000	0.000
0.4094E+06		16.03	16.92			
1	30	44	3	37	0.000	0.000
0.4047E+06		16.01	16.90			
1	30	45	3	38	0.000	0.000
0.3379E+06		15.99	16.88			
1	31	46	3	39	0.000	0.000
0.4004E+06		15.90	16.79			
1	31	47	3	40	0.000	0.000
0.4007E+06		15.88	16.77			
1	31	48	3	41	0.000	0.000
0.4010E+06		15.86	16.75			
1	31	49	3	42	0.000	0.000
0.4012E+06		15.85	16.73			
1	31	50	3	43	0.000	0.000
0.4015E+06		15.83	16.71			
1	31	51	3	44	0.000	0.000
0.4018E+06		15.81	16.69			
1	31	52	3	45	0.000	0.000
0.4021E+06		15.79	16.68			
1	31	53	3	46	0.000	0.000
0.4023E+06		15.77	16.66			
1	31	54	3	47	0.000	0.000
0.4026E+06		15.76	16.64			
1	31	55	3	48	0.000	0.000
0.4029E+06		15.74	16.62			
1	31	56	3	49	0.000	0.000
0.4031E+06		15.72	16.60			
1	31	57	3	50	0.000	0.000
0.4034E+06		15.70	16.58			
1	31	58	3	51	0.000	0.000
0.4037E+06		15.68	16.57			
1	31	59	3	52	0.000	0.000
0.4040E+06		15.67	16.55			
1	31	60	3	53	0.000	0.000
0.4042E+06		15.65	16.53			
1	31	61	3	54	0.000	0.000
0.4045E+06		15.63	16.51			
1	31	62	3	55	0.000	0.000
0.4048E+06		15.61	16.49			
1	31	63	3	56	0.000	0.000
0.4051E+06		15.59	16.47			
1	31	64	3	57	0.000	0.000
0.4054E+06		15.58	16.45			
1	31	65	3	58	0.000	0.000
0.4056E+06		15.56	16.44			
1	31	66	3	59	0.000	0.000
0.4059E+06		15.54	16.42			
1	31	67	3	60	0.000	0.000
0.4165E+06		15.52	16.40			
1	31	68	3	61	0.000	0.000
0.4170E+06		15.51	16.38			
1	31	69	3	62	0.000	0.000
0.4173E+06		15.49	16.36			
1	31	70	3	63	0.000	0.000
0.4175E+06		15.47	16.34			
1	31	71	3	64	0.000	0.000
0.4178E+06		15.45	16.33			
1	31	72	3	65	0.000	0.000
0.4181E+06		15.43	16.31			

```
       1     31     73        3       66         0.000       0.000
0.4184E+06        15.42        16.29
       1     31     74        3       67         0.000       0.000
0.4187E+06        15.40        16.27
       1     31     75        3       68         0.000       0.000
0.4190E+06        15.38        16.25
       1     31     76        3       69         0.000       0.000
0.4193E+06        15.36        16.23
       1     31     77        3       70         0.000       0.000
0.2507E+06        15.34        16.22
       1     30     78        3       71         0.000       0.000
0.4210E+06        15.25        16.12
       1     30     79        3       72         0.000       0.000
0.1054E+07        15.22        16.09
       1     30     80        3       73         0.000       0.000
0.1056E+07        15.18        16.04
       1     30     81        3       74         0.000       0.000
0.1057E+07        15.13        16.00
       1     30     82        3       75         0.000       0.000
0.1059E+07        15.09        15.95
       1     30     83        3       76         0.000       0.000
0.1061E+07        15.04        15.91
       1     30     84        3       77         0.000       0.000
0.1063E+07        15.00        15.86
       1     30     85        3       78         0.000       0.000
0.1001E+07        14.93        15.79
       1     29     85        3       79         0.000       0.000
0.1135E+07        14.84        15.70
       1     29     86        3       80         0.000       0.000
0.2249E+07        14.75        15.61
       1     29     87        3       81         0.000       0.000
0.2156E+07        14.66        15.52
       1     28     87        3       82         0.000       0.000
0.1558E+06        14.57        15.42
       1     28     88        3       83         0.000       0.000
0.2327E+07        14.48        15.33
       1     28     89        3       84         0.000       0.000
0.2335E+07        14.39        15.24
       1     27     90        3       85         0.000       0.000
0.2951E+07        14.27        15.11
       1     27     91        3       86         0.000       0.000
0.2801E+06        14.18        15.02
       1     26     91        3       87         0.000       0.000
0.2440E+07        14.09        14.93
       1     25     91        3       88         0.000       0.000
0.1642E+07        14.00        14.83
       1     25     92        3       89         0.000       0.000
0.8096E+06        13.91        14.74
       1     24     92        3       90         0.000       0.000
0.2466E+07        13.82        14.65
       1     23     92        3       91         0.000       0.000
0.2393E+07        13.73        14.56
       2     22     92        3       92         0.000       0.000
0.1796E+07        13.64        14.47
       1     22     91        3       93         0.000       0.000
0.6008E+06        13.55        14.37
       1     21     91        3       94         0.000       0.000
0.2412E+07        13.46        14.28
       1     20     91        3       95         0.000       0.000
0.2118E+07        13.37        14.19
```

1	20	90	3	96	0.000	0.000
0.3037E+06		13.28	14.10			
1	19	90	3	97	0.000	0.000
0.2438E+07		13.19	14.01			
1	18	90	3	98	0.000	0.000
0.1847E+07		13.11	13.92			
1	18	91	3	99	0.000	0.000
0.2352E+07		13.02	13.82			
1	18	92	3	100	0.000	0.000
0.1855E+07		12.93	13.73			
2	17	92	3	101	0.000	0.000
0.5072E+06		12.84	13.64			
2	17	93	3	102	0.000	0.000
0.2378E+07		12.75	13.55			
2	17	94	3	103	0.000	0.000
0.2386E+07		12.66	13.46			
2	17	95	3	104	0.000	0.000
0.1616E+07		12.57	13.36			
2	16	95	3	105	0.000	0.000
0.7818E+06		12.48	13.27			
2	16	96	3	106	0.000	0.000
0.2413E+07		12.39	13.18			
2	16	97	3	107	0.000	0.000
0.2422E+07		12.30	13.09			
2	16	98	3	108	0.000	0.000
0.2346E+07		12.21	13.00			
2	16	99	3	109	0.000	0.000
0.2336E+07		12.12	12.90			
2	16	100	3	110	0.000	0.000
0.2345E+07		12.03	12.81			
1	16	101	3	111	0.000	0.000
0.2354E+07		11.94	12.72			
1	16	102	3	112	0.000	0.000
0.2362E+07		11.85	12.63			
2	16	103	3	113	0.000	0.000
0.1260E+07		11.76	12.54			
1	17	103	3	114	0.000	0.000
0.2738E+07		11.67	12.45			
1	18	103	3	115	0.000	0.000
0.2361E+07		11.59	12.35			
1	19	103	3	116	0.000	0.000
0.2370E+07		11.50	12.26			
1	20	103	3	117	0.000	0.000
0.2379E+07		11.41	12.17			
1	21	103	3	118	0.000	0.000
0.2390E+07		11.32	12.08			
2	22	103	3	119	0.000	0.000
0.2400E+07		11.23	11.99			
2	23	103	3	120	0.000	0.000
0.2561E+07		11.14	11.89			
2	24	103	3	121	0.000	0.000
0.2522E+07		11.05	11.80			
2	24	102	3	122	0.000	0.000
0.8150E+05		10.96	11.71			
2	25	102	3	123	0.000	0.000
0.2623E+07		10.87	11.62			
2	26	102	3	124	0.000	0.000
0.2633E+07		10.78	11.53			
2	27	102	3	125	0.000	0.000
0.1176E+07		10.69	11.43			

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       2     27    101        3      126         0.000       0.000
0.1473E+07        10.60        11.34
       2     28    101        3      127         0.000       0.000
0.2664E+07        10.51        11.25
       2     29    101        3      128         0.000       0.000
0.2464E+07        10.42        11.16
       2     29    100        3      129         0.000       0.000
0.2116E+06        10.33        11.07
       2     30    100        3      130         0.000       0.000
0.2602E+07        10.24        10.98
       2     30    105        4        1        0.2091E+05   0.000
0.2274E+06        17.00        18.00
       2     30    104        4        2         0.000       0.000
0.7570E+06        15.65        16.59
       1     30    103        4        3         0.000       0.000
0.1118E+07        14.30        15.19
       1     30    102        4        4         0.000       0.000
0.1525E+07        12.95        13.78
       1     30    101        4        5         0.000       0.000
0.1987E+07        11.60        12.38
       2     30    100        4        6         0.000       0.000
0.1062E+07        10.24        10.98
       2     30    100        5        1        -1.000       0.000
143.3             7.000        7.500
       2     31    100        5        2         0.000       0.000
4026.             6.916        7.416
       1     32    100        5        3         0.000       0.000
338.1             6.832        7.332
       2     32     99        5        4         0.000       0.000
3523.             6.748        7.248
       2     33     99        5        5         0.000       0.000
3768.             6.664        7.164
       1     34     98        5        6         0.000       0.000
3561.             6.546        7.046
       1     35     98        5        7         0.000       0.000
3003.             6.462        6.962
       1     35     97        5        8         0.000       0.000
848.2             6.378        6.878
       1     36     97        5        9         0.000       0.000
3544.             6.294        6.794
       1     36     96        5       10         0.000       0.000
589.5             6.210        6.710
       1     37     96        5       11         0.000       0.000
3575.             6.126        6.626
       1     37     95        5       12         0.000       0.000
353.4             6.042        6.542
       1     38     95        5       13         0.000       0.000
3582.             5.958        6.458
       1     39     94        5       14         0.000       0.000
3577.             5.839        6.339
       2     40     94        5       15         0.000       0.000
51.83             5.755        6.255
       1     40     93        5       16         0.000       0.000
3315.             5.671        6.171
       1     41     93        5       17         0.000       0.000
223.3             5.588        6.088
       1     41     92        5       18         0.000       0.000
2938.             5.504        6.004
       1     42     92        5       19         0.000       0.000
372.1             5.420        5.920
```

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       1     42     91        5       20         0.000       0.000
2583.            5.336       5.836
       1     43     91        5       21         0.000       0.000
498.2            5.252       5.752
       1     43     90        5       22         0.000       0.000
2251.            5.168       5.668
       1     44     90        5       23         0.000       0.000
601.7            5.084       5.584
       1     44     89        5       24         0.000       0.000
554.9            5.000       5.500
       1     44     89        6        1        -1.000       0.000
1366.            5.000       5.500
       1     45     89        6        2         0.000       0.000
789.5            4.948       5.440
       1     45     88        6        3         0.000       0.000
1522.            4.895       5.380
       1     46     88        6        4         0.000       0.000
2173.            4.843       5.320
       1     47     88        6        5         0.000       0.000
679.6            4.791       5.261
       1     47     87        6        6         0.000       0.000
1586.            4.738       5.201
       1     48     87        6        7         0.000       0.000
2340.            4.686       5.141
       1     49     87        6        8         0.000       0.000
998.6            4.634       5.081
       1     49     86        6        9         0.000       0.000
1428.            4.581       5.021
       1     50     86        6       10         0.000       0.000
2496.            4.529       4.961
       1     51     86        6       11         0.000       0.000
1659.            4.477       4.901
       1     51     85        6       12         0.000       0.000
925.0            4.424       4.842
       1     52     85        6       13         0.000       0.000
2709.            4.372       4.782
       1     53     85        6       14         0.000       0.000
2251.            4.320       4.722
       1     53     84        6       15         0.000       0.000
572.6            4.281       4.677
       1     54     84        6       16         0.000       0.000
2454.            4.228       4.617
       1     54     83        6       17         0.000       0.000
500.9            4.202       4.587
       1     55     83        6       18         0.000       0.000
2655.            4.150       4.527
       1     55     82        6       19         0.000       0.000
422.6            4.124       4.497
       1     56     82        6       20         0.000       0.000
2870.            4.071       4.438
       1     56     81        6       21         0.000       0.000
337.1            4.045       4.408
       1     57     81        6       22         0.000       0.000
3102.            3.993       4.348
       2     58     80        6       23         0.000       0.000
3091.            3.934       4.281
       2     58     79        6       24         0.000       0.000
432.0            3.908       4.251
       1     59     79        6       25         0.000       0.000
3518.            3.856       4.191
```

1	60	79	6	26	0.000	0.000
3350.		3.804	4.131			
1	61	79	6	27	0.000	0.000
3453.		3.751	4.071			
1	62	79	6	28	0.000	0.000
3562.		3.699	4.012			
1	63	79	6	29	0.000	0.000
3676.		3.647	3.952			
1	64	79	6	30	0.000	0.000
3798.		3.594	3.892			
1	65	79	6	31	0.000	0.000
3928.		3.542	3.832			
1	66	79	6	32	0.000	0.000
4061.		3.490	3.772			
1	67	79	6	33	0.000	0.000
1321.		3.437	3.712			
1	67	80	6	34	0.000	0.000
2930.		3.411	3.682			
1	68	80	6	35	0.000	0.000
4427.		3.359	3.623			
1	69	80	6	36	0.000	0.000
2274.		3.320	3.578			
1	70	80	6	37	0.000	0.000
2319.		3.293	3.548			
1	71	80	6	38	0.000	0.000
2367.		3.267	3.518			
1	72	80	6	39	0.000	0.000
2411.		3.241	3.488			
1	73	80	6	40	0.000	0.000
1502.		3.215	3.458			
1	73	79	6	41	0.000	0.000
973.2		3.189	3.428			
1	74	79	6	42	0.000	0.000
2553.		3.163	3.398			
1	75	79	6	43	0.000	0.000
2603.		3.136	3.368			
1	76	79	6	44	0.000	0.000
2655.		3.110	3.338			
1	77	79	6	45	0.000	0.000
2709.		3.084	3.308			
1	78	79	6	46	0.000	0.000
2764.		3.058	3.278			
1	79	79	6	47	0.000	0.000
2821.		3.032	3.248			
1	80	79	6	48	0.000	0.000
2881.		3.006	3.219			
1	81	79	6	49	0.000	0.000
2950.		2.980	3.189			
1	82	79	6	50	0.000	0.000
869.7		2.953	3.159			
1	82	78	6	51	0.000	0.000
2196.		2.935	3.138			
1	83	78	6	52	0.000	0.000
3148.		2.909	3.108			
1	84	78	6	53	0.000	0.000
1889.		2.883	3.078			
1	84	77	6	54	0.000	0.000
1342.		2.872	3.066			
1	85	77	6	55	0.000	0.000
3323.		2.846	3.036			

1	86	77	6	56	0.000	0.000
3016.		2.820	3.006			
1	86	76	6	57	0.000	0.000
388.7		2.810	2.994			
1	87	76	6	58	0.000	0.000
1396.		2.791	2.973			
1	88	76	6	59	0.000	0.000
1410.		2.781	2.961			
1	89	76	6	60	0.000	0.000
1424.		2.770	2.949			
1	90	76	6	61	0.000	0.000
1437.		2.760	2.937			
1	91	76	6	62	0.000	0.000
1452.		2.749	2.925			
1	92	76	6	63	0.000	0.000
684.6		2.739	2.913			
1	92	75	6	64	0.000	0.000
789.3		2.728	2.901			
1	93	75	6	65	0.000	0.000
1536.		2.718	2.889			
1	94	75	6	66	0.000	0.000
1556.		2.707	2.877			
1	95	75	6	67	0.000	0.000
1572.		2.697	2.865			
1	96	74	6	68	0.000	0.000
1560.		2.682	2.848			
1	97	74	6	69	0.000	0.000
1612.		2.672	2.836			
1	98	74	6	70	0.000	0.000
1629.		2.661	2.825			
1	99	74	6	71	0.000	0.000
493.7		2.651	2.813			
1	99	73	6	72	0.000	0.000
1164.		2.640	2.801			
1	100	73	6	73	0.000	0.000
1681.		2.630	2.789			
1	101	73	6	74	0.000	0.000
1700.		2.619	2.777			
1	102	73	6	75	0.000	0.000
992.7		2.609	2.765			
1	102	72	6	76	0.000	0.000
733.5		2.599	2.753			
1	103	72	6	77	0.000	0.000
1756.		2.588	2.741			
1	104	72	6	78	0.000	0.000
1776.		2.578	2.729			
1	105	72	6	79	0.000	0.000
1537.		2.567	2.717			
1	106	71	6	80	0.000	0.000
1825.		2.552	2.700			
1	107	71	6	81	0.000	0.000
1847.		2.542	2.688			
1	108	71	6	82	0.000	0.000
1868.		2.531	2.676			
1	109	71	6	83	0.000	0.000
252.0		2.521	2.664			
1	109	70	6	84	0.000	0.000
1628.		2.510	2.652			
1	110	70	6	85	0.000	0.000
893.0		2.500	2.640			

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       1    110     70        7        1        -1.000       0.000
1042.            2.500       2.640
       1    111     70        7        2         0.000       0.000
1992.            2.464       2.607
       1    112     69        7        3         0.000       0.000
1046.            2.414       2.559
       1    113     69        7        4         0.000       0.000
1947.            2.378       2.526
       1    114     69        7        5         0.000       0.000
1577.            2.342       2.492
       1    114     68        7        6         0.000       0.000
348.5            2.307       2.459
       1    115     68        7        7         0.000       0.000
1894.            2.271       2.426
       1    116     68        7        8         0.000       0.000
1878.            2.235       2.392
       1    117     67        7        9         0.000       0.000
1545.            2.185       2.345
       1    118     67        7       10         0.000       0.000
1840.            2.149       2.312
       1    119     67        7       11         0.000       0.000
944.8            2.114       2.278
       1    119     66        7       12         0.000       0.000
873.7            2.078       2.245
       1    120     66        7       13         0.000       0.000
1797.            2.042       2.211
       1    121     66        7       14         0.000       0.000
1735.            2.006       2.178
       1    122     65        7       15         0.000       0.000
1545.            1.956       2.131
       1    123     65        7       16         0.000       0.000
1690.            1.920       2.097
       1    124     65        7       17         0.000       0.000
1678.            1.885       2.064
       1    125     65        7       18         0.000       0.000
443.3            1.849       2.030
       1    125     64        7       19         0.000       0.000
1214.            1.813       1.997
       1    126     64        7       20         0.000       0.000
1643.            1.778       1.964
       1    127     64        7       21         0.000       0.000
1632.            1.742       1.930
       1    128     64        7       22         0.000       0.000
713.5            1.706       1.897
       1    128     63        7       23         0.000       0.000
902.4            1.670       1.863
       1    129     63        7       24         0.000       0.000
1601.            1.635       1.830
       1    130     63        7       25         0.000       0.000
1591.            1.599       1.797
       1    131     63        7       26         0.000       0.000
970.8            1.563       1.763
       1    131     62        7       27         0.000       0.000
606.9            1.528       1.730
       1    132     62        7       28         0.000       0.000
1563.            1.492       1.696
       1    133     62        7       29         0.000       0.000
1554.            1.456       1.663
       1    134     62        7       30         0.000       0.000
1217.            1.421       1.629
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       1    135     61        7       31         0.000       0.000
1532.           1.370        1.582
       1    136     61        7       32         0.000       0.000
1524.           1.335        1.549
       1    137     61        7       33         0.000       0.000
1452.           1.272        1.490
       1    137     60        7       34         0.000       0.000
2310.           1.236        1.457
       1    138     60        7       35         0.000       0.000
2425.           1.147        1.373
       1    138     59        7       36         0.000       0.000
1275.           1.111        1.340
       1    139     59        7       37         0.000       0.000
2081.           1.022        1.256
       1    139     58        7       38         0.000       0.000
2032.          0.9865        1.223
       1    140     57        7       39         0.000       0.000
2401.          0.8905        1.133
       1    140     56        7       40         0.000       0.000
1350.          0.8548        1.100
       1    141     56        7       41         0.000       0.000
1029.          0.7655        1.016
       1    141     55        7       42         0.000       0.000
2354.          0.7298       0.9826
       1    141     54        7       43         0.000       0.000
688.8          0.6942       0.9492
       1    142     54        7       44         0.000       0.000
1638.          0.6049       0.8657
       1    142     53        7       45         0.000       0.000
2311.          0.5692       0.8322
       1    143     52        7       46         0.000       0.000
2224.          0.4307       0.7026
       1    143     51        7       47         0.000       0.000
2267.          0.3950       0.6691
       1    143     50        7       48         0.000       0.000
2259.          0.3594       0.6357
       1    143     49        7       49         0.000       0.000
1083.          0.3237       0.6023
       1    144     49        7       50         0.000       0.000
1147.          0.1452       0.4352
       1    144     48        7       51         0.000       0.000
2203.          0.1095       0.4018
       1    144     47        7       52         0.000       0.000
2196.      0.7385E-01       0.3684
       1    144     46        7       53         0.000       0.000
2056.      0.3816E-01       0.3350
       1    145     45        7       54         0.000       0.000
2152.         -0.1438       0.1646
       1    145     44        7       55         0.000       0.000
2146.         -0.1795       0.1312
       1    145     43        7       56         0.000       0.000
2139.         -0.2152   0.9777E-01
       1    145     42        7       57         0.000       0.000
848.8         -0.2509   0.6436E-01
       1    146     42        7       58         0.000       0.000
1265.         -0.4293      -0.1027
       1    146     41        7       59         0.000       0.000
2095.         -0.4650      -0.1361
       1    146     40        7       60         0.000       0.000
2090.         -0.5007      -0.1695
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       1    146     39        7       61         0.000       0.000
1784.          -0.5364      -0.2030
       1    147     38        7       62         0.000       0.000
5136.          -0.7255      -0.3800
       1    147     37        7       63         0.000       0.000
1663.          -0.8147      -0.4635
       1    148     37        7       64         0.000       0.000
2640.          -0.9931      -0.6306
       1    148     36        7       65         0.000       0.000
3728.           -1.082      -0.7141
       1    148     35        7       66         0.000       0.000
2354.           -1.172      -0.7977
       1    149     35        7       67         0.000       0.000
1337.           -1.350      -0.9647
       1    149     34        7       68         0.000       0.000
3645.           -1.439       -1.048
       1    149     33        7       69         0.000       0.000
3626.           -1.528       -1.132
       1    150     32        7       70         0.000       0.000
7137.           -1.752       -1.341
       1    150     31        7       71         0.000       0.000
1338.           -1.930       -1.508
       1    151     31        7       72         0.000       0.000
5700.           -2.108       -1.675
       1    151     30        7       73         0.000       0.000
2606.           -2.287       -1.842
       1    152     30        7       74         0.000       0.000
4320.           -2.465       -2.009
       1    152     29        7       75         0.000       0.000
3834.           -2.644       -2.176
       1    153     29        7       76         0.000       0.000
2991.           -2.822       -2.343
       1    153     28        7       77         0.000       0.000
5166.           -3.001       -2.510
       1    154     28        7       78         0.000       0.000
1421.           -3.179       -2.677
       1    154     27        7       79         0.000       0.000
6411.           -3.358       -2.844
       1    155     26        7       80         0.000       0.000
5839.           -3.610       -3.081
       1    155     25        7       81         0.000       0.000
2407.           -3.788       -3.248
       1    156     25        7       82         0.000       0.000
3880.           -3.967       -3.415
       1    156     24        7       83         0.000       0.000
4253.           -4.145       -3.582
       1    157     24        7       84         0.000       0.000
1970.           -4.324       -3.749
       1    157     23        7       85         0.000       0.000
6060.           -4.502       -3.916
       1    158     23        7       86         0.000       0.000
104.7           -4.681       -4.083
       1    158     22        7       87         0.000       0.000
6101.           -4.859       -4.250
       1    158     21        7       88         0.000       0.000
1722.           -5.037       -4.417
       1    159     21        7       89         0.000       0.000
4327.           -5.216       -4.584
       1    159     20        7       90         0.000       0.000
3514.           -5.394       -4.751
```

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       1    160     20        7       91         0.000       0.000
2487.           -5.573      -4.918
       1    160     19        7       92         0.000       0.000
5274.           -5.751      -5.086
       1    161     19        7       93         0.000       0.000
681.2           -5.930      -5.253
       1    161     18        7       94         0.000       0.000
6098.           -6.108      -5.420
       1    161     17        7       95         0.000       0.000
557.6           -6.287      -5.587
       1    162     17        7       96         0.000       0.000
5646.           -6.465      -5.754
       1    162     16        7       97         0.000       0.000
1366.           -6.643      -5.921
       1    163     16        7       98         0.000       0.000
4793.           -6.822      -6.088
       1    163     15        7       99         0.000       0.000
2163.           -7.000      -6.255
       1    164     15        7      100         0.000       0.000
3955.           -7.179      -6.422
       1    164     14        7      101         0.000       0.000
2949.           -7.357      -6.589
       1    165     14        7      102         0.000       0.000
3130.           -7.536      -6.756
       1    165     13        7      103         0.000       0.000
3726.           -7.714      -6.923
       1    166     13        7      104         0.000       0.000
2316.           -7.893      -7.090
       1    166     12        7      105         0.000       0.000
4493.           -8.071      -7.258
       1    167     12        7      106         0.000       0.000
1513.           -8.249      -7.425
       1    167     11        7      107         0.000       0.000
5253.           -8.428      -7.592
       1    168     11        7      108         0.000       0.000
720.7           -8.606      -7.759
       1    168     10        7      109         0.000       0.000
5941.           -8.785      -7.926
       1    169      9        7      110         0.000       0.000
5856.           -9.037      -8.162
       1    169      8        7      111         0.000       0.000
839.3           -9.216      -8.329
       1    170      8        7      112         0.000       0.000
5050.           -9.394      -8.496
       1    170      7        7      113         0.000       0.000
1608.           -9.572      -8.663
       1    171      7        7      114         0.000       0.000
4254.           -9.751      -8.830
       1    171      6        7      115         0.000       0.000
2369.           -9.929      -8.998
       1    172      6        7      116         0.000       0.000
3467.           -10.11      -9.165
       1    172      5        7      117         0.000       0.000
3123.           -10.29      -9.332
       1    173      5        7      118         0.000       0.000
2687.           -10.47      -9.499
       1    173      4        7      119         0.000       0.000
3871.           -10.64      -9.666
       1    174      4        7      120         0.000       0.000
1915.           -10.82      -9.833
```

```
       1    174      3        7      121         0.000       0.000
2537.           -11.00       -10.00

    453 STREAM REACHES

    LAYER   ROW    COL    SEGMENT   REACH        STREAM
STREAM          ROUGH
                          NUMBER   NUMBER        WIDTH
SLOPE          COEF.
   ------------------------------------------------------------------------
----------------------------------------
       2      2     43        1        1          35.00
0.1454E-02       0.3000E-01
       2      2     42        1        2          35.01
0.1454E-02       0.3000E-01
       2      3     42        1        3          35.07
0.1454E-02       0.3000E-01
       2      3     41        1        4          35.08
0.1454E-02       0.3000E-01
       2      3     40        1        5          35.09
0.1454E-02       0.3000E-01
       2      4     39        1        6          35.14
0.1454E-02       0.3000E-01
       2      4     38        1        7          35.16
0.1454E-02       0.3000E-01
       2      5     38        1        8          35.22
0.1454E-02       0.3000E-01
       2      5     37        1        9          35.24
0.1454E-02       0.3000E-01
       2      6     37        1       10          35.30
0.1454E-02       0.3000E-01
       2      6     36        1       11          35.33
0.1454E-02       0.3000E-01
       2      7     36        1       12          35.38
0.1454E-02       0.3000E-01
       2      7     35        1       13          35.41
0.1454E-02       0.3000E-01
       2      8     35        1       14          35.46
0.1454E-02       0.3000E-01
       2      8     34        1       15          35.49
0.1454E-02       0.3000E-01
       2      9     34        1       16          35.55
0.1454E-02       0.3000E-01
       2      9     33        1       17          35.57
0.1454E-02       0.3000E-01
       1     10     33        1       18          35.63
0.1454E-02       0.3000E-01
       2     10     32        1       19          35.67
0.1454E-02       0.3000E-01
       1     11     32        1       20          35.72
0.1454E-02       0.3000E-01
       1     12     32        1       21          35.78
0.1454E-02       0.3000E-01
       1     12     31        1       22          35.83
0.1454E-02       0.3000E-01
       1     13     31        1       23          35.89
0.1454E-02       0.3000E-01
       1     14     31        1       24          35.94
0.1454E-02       0.3000E-01
```

```
       1     14     30        1       25          36.00
0.1454E-02       0.3000E-01
       1     15     30        1       26          36.05
0.1454E-02       0.3000E-01
       2      4     80        2        1          30.00
0.3423E-02       0.3000E-01
       2      5     80        2        2          30.23
0.3423E-02       0.3000E-01
       2      6     80        2        3          30.47
0.3423E-02       0.3000E-01
       2      6     81        2        4          30.58
0.3423E-02       0.3000E-01
       2      7     81        2        5          30.82
0.3423E-02       0.3000E-01
       2      8     81        2        6          31.05
0.3423E-02       0.3000E-01
       2      9     81        2        7          31.28
0.3423E-02       0.3000E-01
       2     10     81        2        8          31.52
0.3423E-02       0.3000E-01
       2     10     80        2        9          31.63
0.3423E-02       0.3000E-01
       2     11     80        2       10          31.87
0.3423E-02       0.3000E-01
       2     11     79        2       11          31.98
0.3423E-02       0.3000E-01
       2     11     78        2       12          32.07
0.3423E-02       0.3000E-01
       2     11     77        2       13          32.11
0.3423E-02       0.3000E-01
       2     12     76        2       14          32.35
0.3423E-02       0.3000E-01
       2     12     75        2       15          32.40
0.3423E-02       0.3000E-01
       2     12     74        2       16          32.44
0.3423E-02       0.3000E-01
       2     12     73        2       17          32.49
0.3423E-02       0.3000E-01
       2     12     72        2       18          32.54
0.3423E-02       0.3000E-01
       2     13     71        2       19          32.77
0.3423E-02       0.3000E-01
       2     13     70        2       20          32.82
0.3423E-02       0.3000E-01
       2     13     69        2       21          32.87
0.3423E-02       0.3000E-01
       1     13     68        2       22          32.91
0.3423E-02       0.3000E-01
       1     13     67        2       23          32.96
0.3423E-02       0.3000E-01
       2     14     66        2       24          33.20
0.3423E-02       0.3000E-01
       2     14     65        2       25          33.25
0.3423E-02       0.3000E-01
       2     14     64        2       26          33.29
0.3423E-02       0.3000E-01
       1     14     63        2       27          33.34
0.3423E-02       0.3000E-01
       1     14     62        2       28          33.39
0.3423E-02       0.3000E-01
```

```
       1     14     61        2       29          33.43
0.3423E-02      0.3000E-01
       1     14     60        2       30          33.48
0.3423E-02      0.3000E-01
       1     14     59        2       31          33.53
0.3423E-02      0.3000E-01
       1     14     58        2       32          33.57
0.3423E-02      0.3000E-01
       1     14     57        2       33          33.62
0.3423E-02      0.3000E-01
       1     14     56        2       34          33.67
0.3423E-02      0.3000E-01
       1     14     55        2       35          33.71
0.3423E-02      0.3000E-01
       2     15     55        2       36          33.95
0.3423E-02      0.3000E-01
       2     15     54        2       37          33.99
0.3423E-02      0.3000E-01
       1     15     53        2       38          34.04
0.3423E-02      0.3000E-01
       1     15     52        2       39          34.09
0.3423E-02      0.3000E-01
       1     15     51        2       40          34.13
0.3423E-02      0.3000E-01
       1     15     50        2       41          34.18
0.3423E-02      0.3000E-01
       1     15     49        2       42          34.23
0.3423E-02      0.3000E-01
       1     15     48        2       43          34.27
0.3423E-02      0.3000E-01
       1     15     47        2       44          34.32
0.3423E-02      0.3000E-01
       1     15     46        2       45          34.37
0.3423E-02      0.3000E-01
       1     15     45        2       46          34.41
0.3423E-02      0.3000E-01
       1     15     44        2       47          34.46
0.3423E-02      0.3000E-01
       1     15     43        2       48          34.51
0.3423E-02      0.3000E-01
       1     15     42        2       49          34.55
0.3423E-02      0.3000E-01
       1     15     41        2       50          34.60
0.3423E-02      0.3000E-01
       1     15     40        2       51          34.65
0.3423E-02      0.3000E-01
       1     15     39        2       52          34.69
0.3423E-02      0.3000E-01
       1     15     38        2       53          34.77
0.3423E-02      0.3000E-01
       1     15     37        2       54          34.89
0.3423E-02      0.3000E-01
       1     15     36        2       55          35.01
0.3423E-02      0.3000E-01
       1     15     35        2       56          35.12
0.3423E-02      0.3000E-01
       1     15     34        2       57          35.24
0.3423E-02      0.3000E-01
       1     15     33        2       58          35.36
0.3423E-02      0.3000E-01
```

```
       1     15     32        2       59          35.53
0.3423E-02      0.3000E-01
       1     15     31        2       60          35.77
0.3423E-02      0.3000E-01
       1     15     30        2       61          36.00
0.3423E-02      0.3000E-01
       1     15     30        3        1          40.00
0.1788E-02      0.3000E-01
       1     16     29        3        2          40.03
0.1788E-02      0.3000E-01
       1     16     28        3        3          40.06
0.1788E-02      0.3000E-01
       1     17     28        3        4          40.08
0.1788E-02      0.3000E-01
       1     18     28        3        5          40.11
0.1788E-02      0.3000E-01
       1     19     28        3        6          40.13
0.1788E-02      0.3000E-01
       1     19     27        3        7          40.16
0.1788E-02      0.3000E-01
       1     20     27        3        8          40.18
0.1788E-02      0.3000E-01
       1     21     27        3        9          40.21
0.1788E-02      0.3000E-01
       1     21     26        3       10          40.23
0.1788E-02      0.3000E-01
       1     22     26        3       11          40.26
0.1788E-02      0.3000E-01
       1     23     26        3       12          40.28
0.1788E-02      0.3000E-01
       1     23     27        3       13          40.31
0.1788E-02      0.3000E-01
       1     24     27        3       14          40.33
0.1788E-02      0.3000E-01
       1     25     27        3       15          40.35
0.1788E-02      0.3000E-01
       1     25     28        3       16          40.38
0.1788E-02      0.3000E-01
       1     26     28        3       17          40.40
0.1788E-02      0.3000E-01
       1     27     28        3       18          40.43
0.1788E-02      0.3000E-01
       1     27     29        3       19          40.45
0.1788E-02      0.3000E-01
       1     28     29        3       20          40.48
0.1788E-02      0.3000E-01
       1     28     30        3       21          40.50
0.1788E-02      0.3000E-01
       2     29     30        3       22          40.53
0.1788E-02      0.3000E-01
       1     29     31        3       23          40.55
0.1788E-02      0.3000E-01
       1     29     32        3       24          40.58
0.1788E-02      0.3000E-01
       1     29     33        3       25          40.59
0.1788E-02      0.3000E-01
       1     29     34        3       26          40.61
0.1788E-02      0.3000E-01
       1     30     34        3       27          40.63
0.1788E-02      0.3000E-01
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```
       1     30     35        3       28          40.64
0.1788E-02      0.3000E-01
       1     30     36        3       29          40.66
0.1788E-02      0.3000E-01
       1     30     37        3       30          40.67
0.1788E-02      0.3000E-01
       1     30     38        3       31          40.68
0.1788E-02      0.3000E-01
       1     30     39        3       32          40.69
0.1788E-02      0.3000E-01
       1     30     40        3       33          40.69
0.1788E-02      0.3000E-01
       1     30     41        3       34          40.70
0.1788E-02      0.3000E-01
       1     30     42        3       35          40.70
0.1788E-02      0.3000E-01
       1     30     43        3       36          40.71
0.1788E-02      0.3000E-01
       1     30     44        3       37          40.71
0.1788E-02      0.3000E-01
       1     30     45        3       38          40.72
0.1788E-02      0.3000E-01
       1     31     46        3       39          40.74
0.1788E-02      0.3000E-01
       1     31     47        3       40          40.75
0.1788E-02      0.3000E-01
       1     31     48        3       41          40.75
0.1788E-02      0.3000E-01
       1     31     49        3       42          40.76
0.1788E-02      0.3000E-01
       1     31     50        3       43          40.76
0.1788E-02      0.3000E-01
       1     31     51        3       44          40.77
0.1788E-02      0.3000E-01
       1     31     52        3       45          40.77
0.1788E-02      0.3000E-01
       1     31     53        3       46          40.78
0.1788E-02      0.3000E-01
       1     31     54        3       47          40.78
0.1788E-02      0.3000E-01
       1     31     55        3       48          40.79
0.1788E-02      0.3000E-01
       1     31     56        3       49          40.79
0.1788E-02      0.3000E-01
       1     31     57        3       50          40.80
0.1788E-02      0.3000E-01
       1     31     58        3       51          40.80
0.1788E-02      0.3000E-01
       1     31     59        3       52          40.81
0.1788E-02      0.3000E-01
       1     31     60        3       53          40.81
0.1788E-02      0.3000E-01
       1     31     61        3       54          40.82
0.1788E-02      0.3000E-01
       1     31     62        3       55          40.82
0.1788E-02      0.3000E-01
       1     31     63        3       56          40.83
0.1788E-02      0.3000E-01
       1     31     64        3       57          40.83
0.1788E-02      0.3000E-01
```

```
       1     31     65        3       58          40.84
0.1788E-02      0.3000E-01
       1     31     66        3       59          40.84
0.1788E-02      0.3000E-01
       1     31     67        3       60          40.85
0.1788E-02      0.3000E-01
       1     31     68        3       61          40.85
0.1788E-02      0.3000E-01
       1     31     69        3       62          40.86
0.1788E-02      0.3000E-01
       1     31     70        3       63          40.86
0.1788E-02      0.3000E-01
       1     31     71        3       64          40.87
0.1788E-02      0.3000E-01
       1     31     72        3       65          40.87
0.1788E-02      0.3000E-01
       1     31     73        3       66          40.88
0.1788E-02      0.3000E-01
       1     31     74        3       67          40.88
0.1788E-02      0.3000E-01
       1     31     75        3       68          40.89
0.1788E-02      0.3000E-01
       1     31     76        3       69          40.89
0.1788E-02      0.3000E-01
       1     31     77        3       70          40.90
0.1788E-02      0.3000E-01
       1     30     78        3       71          40.92
0.1788E-02      0.3000E-01
       1     30     79        3       72          40.93
0.1788E-02      0.3000E-01
       1     30     80        3       73          40.94
0.1788E-02      0.3000E-01
       1     30     81        3       74          40.95
0.1788E-02      0.3000E-01
       1     30     82        3       75          40.97
0.1788E-02      0.3000E-01
       1     30     83        3       76          40.98
0.1788E-02      0.3000E-01
       1     30     84        3       77          40.99
0.1788E-02      0.3000E-01
       1     30     85        3       78          41.01
0.1788E-02      0.3000E-01
       1     29     85        3       79          41.03
0.1788E-02      0.3000E-01
       1     29     86        3       80          41.06
0.1788E-02      0.3000E-01
       1     29     87        3       81          41.08
0.1788E-02      0.3000E-01
       1     28     87        3       82          41.11
0.1788E-02      0.3000E-01
       1     28     88        3       83          41.13
0.1788E-02      0.3000E-01
       1     28     89        3       84          41.16
0.1788E-02      0.3000E-01
       1     27     90        3       85          41.19
0.1788E-02      0.3000E-01
       1     27     91        3       86          41.22
0.1788E-02      0.3000E-01
       1     26     91        3       87          41.24
0.1788E-02      0.3000E-01
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       1     25     91        3       88          41.27
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       1     25     92        3       89          41.29
0.1788E-02      0.3000E-01
       1     24     92        3       90          41.32
0.1788E-02      0.3000E-01
       1     23     92        3       91          41.34
0.1788E-02      0.3000E-01
       2     22     92        3       92          41.36
0.1788E-02      0.3000E-01
       1     22     91        3       93          41.39
0.1788E-02      0.3000E-01
       1     21     91        3       94          41.41
0.1788E-02      0.3000E-01
       1     20     91        3       95          41.44
0.1788E-02      0.3000E-01
       1     20     90        3       96          41.46
0.1788E-02      0.3000E-01
       1     19     90        3       97          41.49
0.1788E-02      0.3000E-01
       1     18     90        3       98          41.51
0.1788E-02      0.3000E-01
       1     18     91        3       99          41.54
0.1788E-02      0.3000E-01
       1     18     92        3      100          41.56
0.1788E-02      0.3000E-01
       2     17     92        3      101          41.59
0.1788E-02      0.3000E-01
       2     17     93        3      102          41.61
0.1788E-02      0.3000E-01
       2     17     94        3      103          41.64
0.1788E-02      0.3000E-01
       2     17     95        3      104          41.66
0.1788E-02      0.3000E-01
       2     16     95        3      105          41.68
0.1788E-02      0.3000E-01
       2     16     96        3      106          41.71
0.1788E-02      0.3000E-01
       2     16     97        3      107          41.73
0.1788E-02      0.3000E-01
       2     16     98        3      108          41.76
0.1788E-02      0.3000E-01
       2     16     99        3      109          41.78
0.1788E-02      0.3000E-01
       2     16    100        3      110          41.81
0.1788E-02      0.3000E-01
       1     16    101        3      111          41.83
0.1788E-02      0.3000E-01
       1     16    102        3      112          41.86
0.1788E-02      0.3000E-01
       2     16    103        3      113          41.88
0.1788E-02      0.3000E-01
       1     17    103        3      114          41.91
0.1788E-02      0.3000E-01
       1     18    103        3      115          41.93
0.1788E-02      0.3000E-01
       1     19    103        3      116          41.96
0.1788E-02      0.3000E-01
       1     20    103        3      117          41.98
0.1788E-02      0.3000E-01
```

```
       1     21    103        3      118          42.00
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       2     22    103        3      119          42.03
0.1788E-02      0.3000E-01
       2     23    103        3      120          42.05
0.1788E-02      0.3000E-01
       2     24    103        3      121          42.08
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       2     24    102        3      122          42.10
0.1788E-02      0.3000E-01
       2     25    102        3      123          42.13
0.1788E-02      0.3000E-01
       2     26    102        3      124          42.15
0.1788E-02      0.3000E-01
       2     27    102        3      125          42.18
0.1788E-02      0.3000E-01
       2     27    101        3      126          42.20
0.1788E-02      0.3000E-01
       2     28    101        3      127          42.23
0.1788E-02      0.3000E-01
       2     29    101        3      128          42.25
0.1788E-02      0.3000E-01
       2     29    100        3      129          42.28
0.1788E-02      0.3000E-01
       2     30    100        3      130          42.30
0.1788E-02      0.3000E-01
       2     30    105        4        1          10.00
0.2702E-01      0.3000E-01
       2     30    104        4        2          16.46
0.2702E-01      0.3000E-01
       1     30    103        4        3          22.92
0.2702E-01      0.3000E-01
       1     30    102        4        4          29.38
0.2702E-01      0.3000E-01
       1     30    101        4        5          35.84
0.2702E-01      0.3000E-01
       2     30    100        4        6          42.30
0.2702E-01      0.3000E-01
       2     30    100        5        1          42.30
0.1679E-02      0.3000E-01
       2     31    100        5        2          42.30
0.1679E-02      0.3000E-01
       1     32    100        5        3          42.30
0.1679E-02      0.3000E-01
       2     32     99        5        4          42.30
0.1679E-02      0.3000E-01
       2     33     99        5        5          42.30
0.1679E-02      0.3000E-01
       1     34     98        5        6          42.30
0.1679E-02      0.3000E-01
       1     35     98        5        7          42.30
0.1679E-02      0.3000E-01
       1     35     97        5        8          42.30
0.1679E-02      0.3000E-01
       1     36     97        5        9          42.30
0.1679E-02      0.3000E-01
       1     36     96        5       10          42.30
0.1679E-02      0.3000E-01
       1     37     96        5       11          42.30
0.1679E-02      0.3000E-01
```

```
       1     37     95        5       12          42.30
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       1     38     95        5       13          42.30
0.1679E-02      0.3000E-01
       1     39     94        5       14          42.30
0.1679E-02      0.3000E-01
       2     40     94        5       15          42.30
0.1679E-02      0.3000E-01
       1     40     93        5       16          42.30
0.1679E-02      0.3000E-01
       1     41     93        5       17          42.30
0.1679E-02      0.3000E-01
       1     41     92        5       18          42.30
0.1679E-02      0.3000E-01
       1     42     92        5       19          42.30
0.1679E-02      0.3000E-01
       1     42     91        5       20          42.30
0.1679E-02      0.3000E-01
       1     43     91        5       21          42.30
0.1679E-02      0.3000E-01
       1     43     90        5       22          42.30
0.1679E-02      0.3000E-01
       1     44     90        5       23          42.30
0.1679E-02      0.3000E-01
       1     44     89        5       24          42.30
0.1679E-02      0.3000E-01
       1     44     89        6        1          42.30
0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
       1     46     88        6        4          43.41
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       1     47     88        6        5          43.78
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0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
       1     49     87        6        8          44.89
0.1046E-02      0.3000E-01
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       1     53     85        6       14          47.12
0.1046E-02      0.3000E-01
       1     53     84        6       15          47.39
0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
```

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0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
       1     57     81        6       22          49.43
0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
       1     60     79        6       26          50.77
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       1     61     79        6       27          51.14
0.1046E-02      0.3000E-01
       1     62     79        6       28          51.51
0.1046E-02      0.3000E-01
       1     63     79        6       29          51.88
0.1046E-02      0.3000E-01
       1     64     79        6       30          52.25
0.1046E-02      0.3000E-01
       1     65     79        6       31          52.62
0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
       1     67     79        6       33          53.36
0.1046E-02      0.3000E-01
       1     67     80        6       34          53.55
0.1046E-02      0.3000E-01
       1     68     80        6       35          53.92
0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
       1     70     80        6       37          54.38
0.1046E-02      0.3000E-01
       1     71     80        6       38          54.57
0.1046E-02      0.3000E-01
       1     72     80        6       39          54.75
0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
       1     76     79        6       44          55.68
0.1046E-02      0.3000E-01
       1     77     79        6       45          55.86
0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
       1     79     79        6       47          56.23
0.1046E-02      0.3000E-01
```

```
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       1     82     78        6       51          56.92
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0.1046E-02      0.3000E-01
       1     84     78        6       53          57.29
0.1046E-02      0.3000E-01
       1     84     77        6       54          57.36
0.1046E-02      0.3000E-01
       1     85     77        6       55          57.55
0.1046E-02      0.3000E-01
       1     86     77        6       56          57.73
0.1046E-02      0.3000E-01
       1     86     76        6       57          57.81
0.1046E-02      0.3000E-01
       1     87     76        6       58          57.94
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0.1046E-02      0.3000E-01
       1     91     76        6       62          58.23
0.1046E-02      0.3000E-01
       1     92     76        6       63          58.31
0.1046E-02      0.3000E-01
       1     92     75        6       64          58.38
0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
       1     94     75        6       66          58.53
0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
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       1    103     72        6       77          59.38
0.1046E-02      0.3000E-01
```

```
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0.1046E-02      0.3000E-01
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0.1046E-02      0.3000E-01
       1    108     71        6       82          59.78
0.1046E-02      0.3000E-01
       1    109     71        6       83          59.85
0.1046E-02      0.3000E-01
       1    109     70        6       84          59.93
0.1046E-02      0.3000E-01
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0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
       1    114     69        7        5          61.63
0.3569E-02      0.3000E-01
       1    114     68        7        6          62.00
0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
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       1    121     66        7       14          65.12
0.3569E-02      0.3000E-01
       1    122     65        7       15          65.64
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       1    123     65        7       16          66.01
0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
       1    125     65        7       18          66.75
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0.3569E-02      0.3000E-01
       1    126     64        7       20          67.49
0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
       1    128     64        7       22          68.23
0.3569E-02      0.3000E-01
```

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0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
       1    144     47        7       52          85.16
0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
       1    150     32        7       70          104.1
0.3569E-02      0.3000E-01
       1    150     31        7       71          105.9
0.3569E-02      0.3000E-01
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0.3569E-02      0.3000E-01
       1    151     30        7       73          109.6
0.3569E-02      0.3000E-01
       1    152     30        7       74          111.5
0.3569E-02      0.3000E-01
       1    152     29        7       75          113.3
0.3569E-02      0.3000E-01
       1    153     29        7       76          115.2
0.3569E-02      0.3000E-01
       1    153     28        7       77          117.0
0.3569E-02      0.3000E-01
       1    154     28        7       78          118.9
0.3569E-02      0.3000E-01
       1    154     27        7       79          120.7
0.3569E-02      0.3000E-01
       1    155     26        7       80          123.4
0.3569E-02      0.3000E-01
       1    155     25        7       81          125.2
0.3569E-02      0.3000E-01
       1    156     25        7       82          127.1
0.3569E-02      0.3000E-01
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       1    156     24        7       83          128.9
0.3569E-02      0.3000E-01
       1    157     24        7       84          130.8
0.3569E-02      0.3000E-01
       1    157     23        7       85          132.6
0.3569E-02      0.3000E-01
       1    158     23        7       86          134.5
0.3569E-02      0.3000E-01
       1    158     22        7       87          136.3
0.3569E-02      0.3000E-01
       1    158     21        7       88          138.2
0.3569E-02      0.3000E-01
       1    159     21        7       89          140.0
0.3569E-02      0.3000E-01
       1    159     20        7       90          141.9
0.3569E-02      0.3000E-01
       1    160     20        7       91          143.7
0.3569E-02      0.3000E-01
       1    160     19        7       92          145.6
0.3569E-02      0.3000E-01
       1    161     19        7       93          147.4
0.3569E-02      0.3000E-01
       1    161     18        7       94          149.3
0.3569E-02      0.3000E-01
       1    161     17        7       95          151.1
0.3569E-02      0.3000E-01
       1    162     17        7       96          153.0
0.3569E-02      0.3000E-01
       1    162     16        7       97          154.8
0.3569E-02      0.3000E-01
       1    163     16        7       98          156.7
0.3569E-02      0.3000E-01
       1    163     15        7       99          158.5
0.3569E-02      0.3000E-01
       1    164     15        7      100          160.4
0.3569E-02      0.3000E-01
       1    164     14        7      101          162.2
0.3569E-02      0.3000E-01
       1    165     14        7      102          164.1
0.3569E-02      0.3000E-01
       1    165     13        7      103          165.9
0.3569E-02      0.3000E-01
       1    166     13        7      104          167.8
0.3569E-02      0.3000E-01
       1    166     12        7      105          169.6
0.3569E-02      0.3000E-01
       1    167     12        7      106          171.5
0.3569E-02      0.3000E-01
       1    167     11        7      107          173.3
0.3569E-02      0.3000E-01
       1    168     11        7      108          175.2
0.3569E-02      0.3000E-01
       1    168     10        7      109          177.0
0.3569E-02      0.3000E-01
       1    169      9        7      110          179.6
0.3569E-02      0.3000E-01
       1    169      8        7      111          181.5
0.3569E-02      0.3000E-01
       1    170      8        7      112          183.3
0.3569E-02      0.3000E-01
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       1    170      7        7      113          185.2
0.3569E-02      0.3000E-01
       1    171      7        7      114          187.0
0.3569E-02      0.3000E-01
       1    171      6        7      115          188.9
0.3569E-02      0.3000E-01
       1    172      6        7      116          190.7
0.3569E-02      0.3000E-01
       1    172      5        7      117          192.6
0.3569E-02      0.3000E-01
       1    173      5        7      118          194.4
0.3569E-02      0.3000E-01
       1    173      4        7      119          196.3
0.3569E-02      0.3000E-01
       1    174      4        7      120          198.1
0.3569E-02      0.3000E-01
       1    174      3        7      121          200.0
0.3569E-02      0.3000E-01

                              MAXIMUM NUMBER OF TRIBUTARY STREAMS IS
2

                      STREAM SEGMENT               TRIBUTARY STREAM
SEGMENT NUMBERS
                         1                         0    0
                         2                         0    0
                         3                         1    2
                         4                         0    0
                         5                         3    4
                         6                         5    0
                         7                         6    0

 SOLVING FOR HEAD

 CELL CONVERSIONS FOR ITER.=  1  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY(  1,  1)   DRY(  1,  2)   DRY(  1,  3)   DRY(  1,  4)   DRY(  1,
5)
    DRY(  1,  6)   DRY(  1,  7)   DRY(  1,  8)   DRY(  1,  9)   DRY(  1,
10)
    DRY(  1, 11)   DRY(  1, 12)   DRY(  1, 13)   DRY(  1, 14)   DRY(  1,
15)
    DRY(  1, 16)   DRY(  1, 17)   DRY(  1, 18)   DRY(  1, 19)   DRY(  1,
20)
    DRY(  1, 21)   DRY(  1, 22)   DRY(  1, 23)   DRY(  1, 24)   DRY(  1,
25)
    DRY(  1, 26)   DRY(  1, 27)   DRY(  1, 28)   DRY(  1, 29)   DRY(  1,
30)
    DRY(  1, 31)   DRY(  1, 32)   DRY(  1, 33)   DRY(  1, 34)   DRY(  1,
35)
    DRY(  1, 36)   DRY(  1, 37)   DRY(  1, 38)   DRY(  1, 39)   DRY(  1,
40)
    DRY(  1, 41)   DRY(  1, 42)   DRY(  1, 43)   DRY(  1, 44)   DRY(  1,
45)
    DRY(  1, 46)   DRY(  1, 47)   DRY(  1, 48)   DRY(  1, 49)   DRY(  1,
50)
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70)
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75)
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85)
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90)
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95)
    DRY(  1, 96)   DRY(  1, 97)   DRY(  1, 98)   DRY(  1, 99)   DRY(
1,100)
    DRY(  1,101)   DRY(  1,102)   DRY(  1,103)   DRY(  1,104)   DRY(
1,105)
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    DRY(  2, 16)   DRY(  2, 17)   DRY(  2, 18)   DRY(  2, 19)   DRY(  2,
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    DRY(  2, 21)   DRY(  2, 22)   DRY(  2, 23)   DRY(  2, 24)   DRY(  2,
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95)
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2,105)
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6,105)
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    DRY(156, 90)   DRY(156, 91)   DRY(156, 92)   DRY(156, 93)   DRY(156,
95)
    DRY(156, 98)   DRY(156, 99)   DRY(156,100)   DRY(156,101)
DRY(156,102)
    DRY(156,103)   DRY(156,104)   DRY(157, 74)   DRY(157, 75)   DRY(157,
76)
    DRY(157, 77)   DRY(157, 78)   DRY(157, 79)   DRY(157, 80)   DRY(157,
81)
    DRY(157, 82)   DRY(157, 83)   DRY(157, 84)   DRY(157, 85)   DRY(157,
86)
    DRY(157, 87)   DRY(157, 88)   DRY(157, 89)   DRY(157, 90)   DRY(157,
91)
    DRY(157, 92)   DRY(157, 93)   DRY(157, 99)   DRY(157,100)
DRY(157,101)
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70)
    DRY(158, 71)   DRY(158, 72)   DRY(158, 73)   DRY(158, 74)   DRY(158,
75)
    DRY(158, 76)   DRY(158, 77)   DRY(158, 78)   DRY(158, 79)   DRY(158,
80)
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85)
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90)
    DRY(158, 91)   DRY(158, 92)   DRY(158, 93)   DRY(158, 99)
DRY(158,100)
    DRY(158,101)   DRY(158,102)   DRY(158,103)   DRY(158,104)   DRY(159,
69)
    DRY(159, 70)   DRY(159, 71)   DRY(159, 72)   DRY(159, 73)   DRY(159,
74)
    DRY(159, 75)   DRY(159, 76)   DRY(159, 77)   DRY(159, 78)   DRY(159,
79)
    DRY(159, 80)   DRY(159, 81)   DRY(159, 82)   DRY(159, 83)   DRY(159,
84)
    DRY(159, 85)   DRY(159, 86)   DRY(159, 87)   DRY(159, 88)   DRY(159,
89)
    DRY(159, 90)   DRY(159, 91)   DRY(159, 92)   DRY(159, 93)   DRY(159,
96)
    DRY(159, 97)   DRY(159,100)   DRY(159,101)   DRY(159,102)
DRY(159,103)
    DRY(159,104)   DRY(160, 69)   DRY(160, 70)   DRY(160, 71)   DRY(160,
72)
    DRY(160, 73)   DRY(160, 74)   DRY(160, 75)   DRY(160, 76)   DRY(160,
77)
    DRY(160, 78)   DRY(160, 79)   DRY(160, 80)   DRY(160, 81)   DRY(160,
82)
    DRY(160, 83)   DRY(160, 84)   DRY(160, 87)   DRY(160, 88)   DRY(160,
89)
    DRY(160, 90)   DRY(160, 91)   DRY(160, 92)   DRY(160, 93)   DRY(160,
94)
    DRY(160, 95)   DRY(160, 96)   DRY(160, 97)   DRY(160, 98)
DRY(160,100)
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    DRY(160,101)   DRY(160,102)   DRY(160,103)   DRY(160,104)   DRY(161,
78)
    DRY(161, 85)   DRY(161, 88)   DRY(161, 89)   DRY(161, 90)   DRY(161,
91)
    DRY(161, 92)   DRY(161, 94)   DRY(161, 95)   DRY(161, 98)
DRY(161,100)
    DRY(161,101)   DRY(161,102)   DRY(161,103)   DRY(161,104)   DRY(162,
82)
    DRY(162, 88)   DRY(162, 89)   DRY(162, 90)   DRY(162, 91)   DRY(162,
92)
    DRY(162, 94)   DRY(162, 95)   DRY(162,100)   DRY(162,101)
DRY(162,102)
    DRY(162,103)   DRY(162,104)   DRY(163, 88)   DRY(163, 89)   DRY(163,
90)
    DRY(163, 91)   DRY(163, 92)   DRY(163,100)   DRY(163,101)
DRY(163,102)
    DRY(163,103)   DRY(163,104)   DRY(164, 89)   DRY(164, 90)   DRY(164,
91)
    DRY(164, 92)   DRY(164, 93)   DRY(164, 94)   DRY(164, 95)
DRY(164,100)
    DRY(164,101)   DRY(164,102)   DRY(164,103)   DRY(164,104)   DRY(165,
91)
    DRY(165, 92)   DRY(165, 93)   DRY(165, 94)   DRY(165, 95)   DRY(165,
96)
    DRY(165, 97)   DRY(165, 98)   DRY(165, 99)   DRY(165,100)
DRY(165,101)
    DRY(165,102)   DRY(165,103)   DRY(165,104)   DRY(166, 92)   DRY(166,
93)
    DRY(166, 94)   DRY(166, 95)   DRY(166, 96)   DRY(166, 97)   DRY(166,
98)
    DRY(166, 99)   DRY(166,100)   DRY(166,101)   DRY(166,102)
DRY(166,103)
    DRY(166,104)   DRY(167, 93)   DRY(167, 94)   DRY(167, 95)   DRY(167,
96)
    DRY(167, 97)   DRY(167, 98)   DRY(167, 99)   DRY(167,100)
DRY(167,101)
    DRY(167,102)   DRY(167,103)   DRY(167,104)   DRY(168, 94)   DRY(168,
95)
    DRY(168, 96)   DRY(168, 97)   DRY(168, 98)   DRY(168, 99)
DRY(168,100)
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96)
    DRY(169, 97)   DRY(169, 98)   DRY(169, 99)   DRY(169,100)   DRY(170,
97)
    DRY(170, 98)   DRY(170, 99)
0


                                                          SOLUTION BY
CGSTAB-P
                                                          ----------
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 Outer iteration    1 Inner iteration   1 Max. residual  3.169E+05
 Outer iteration    1 Inner iteration   2 Max. residual  1.110E+05
 Outer iteration    1 Inner iteration   3 Max. residual  2.846E+04
 Outer iteration    1 Inner iteration   4 Max. residual  1.917E+04
 Outer iteration    1 Inner iteration   5 Max. residual  1.332E+04
 Outer iteration    1 Inner iteration   6 Max. residual  9.570E+03
 Outer iteration    1 Inner iteration   7 Max. residual  6.622E+03
 Outer iteration    1 Inner iteration   8 Max. residual  3.597E+03
```

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Outer iteration    1 Inner iteration   9 Max. residual  2.577E+03
Outer iteration    1 Inner iteration  10 Max. residual  1.425E+03
Outer iteration    1 Inner iteration  11 Max. residual  7.413E+02
Outer iteration    1 Inner iteration  12 Max. residual  5.461E+02
Outer iteration    1 Inner iteration  13 Max. residual  4.439E+02
Outer iteration    1 Inner iteration  14 Max. residual  4.157E+02
Outer iteration    1 Inner iteration  15 Max. residual  3.751E+02
Outer iteration    1 Inner iteration  16 Max. residual  3.169E+02
Outer iteration    1 Inner iteration  17 Max. residual  2.213E+02
Outer iteration    1 Inner iteration  18 Max. residual  1.387E+02
Outer iteration    1 Inner iteration  19 Max. residual  1.054E+02
Outer iteration    1 Inner iteration  20 Max. residual  7.399E+01
Outer iteration    1 Inner iteration  21 Max. residual  5.492E+01
Outer iteration    1 Inner iteration  22 Max. residual  5.317E+01
Outer iteration    1 Inner iteration  23 Max. residual  5.093E+01
Outer iteration    1 Inner iteration  24 Max. residual  4.673E+01
Outer iteration    1 Inner iteration  25 Max. residual  4.322E+01
Outer iteration    1 Inner iteration  26 Max. residual  4.143E+01
Outer iteration    1 Inner iteration  27 Max. residual  3.884E+01
Outer iteration    1 Inner iteration  28 Max. residual  3.231E+01
Outer iteration    1 Inner iteration  29 Max. residual  3.219E+01
Outer iteration    1 Inner iteration  30 Max. residual  1.785E+01
Outer iteration    1 Inner iteration  31 Max. residual  1.778E+01
Outer iteration    1 Inner iteration  32 Max. residual  1.782E+01
Outer iteration    1 Inner iteration  33 Max. residual  1.787E+01
Outer iteration    1 Inner iteration  34 Max. residual  1.808E+01
Outer iteration    1 Inner iteration  35 Max. residual  1.902E+01
Outer iteration    1 Inner iteration  36 Max. residual  2.332E+01
Outer iteration    1 Inner iteration  37 Max. residual  4.020E+01
Outer iteration    1 Inner iteration  38 Max. residual  1.429E+01
Outer iteration    1 Inner iteration  39 Max. residual  8.231E+00
Outer iteration    1 Inner iteration  40 Max. residual  8.048E+00
Outer iteration    1 Inner iteration  41 Max. residual  6.750E+00
Outer iteration    1 Inner iteration  42 Max. residual  6.768E+00
Outer iteration    1 Inner iteration  43 Max. residual  7.071E+00
Outer iteration    1 Inner iteration  44 Max. residual  8.270E+00
Outer iteration    1 Inner iteration  45 Max. residual  1.304E+01
Outer iteration    1 Inner iteration  46 Max. residual  3.815E+01
Outer iteration    1 Inner iteration  47 Max. residual  1.325E+02
Outer iteration    1 Inner iteration  48 Max. residual  1.767E+01
Outer iteration    1 Inner iteration  49 Max. residual  7.810E+00
Outer iteration    1 Inner iteration  50 Max. residual  5.456E+00
Outer iteration    1 Inner iteration  51 Max. residual  3.643E+00
Outer iteration    1 Inner iteration  52 Max. residual  2.599E+00
Outer iteration    1 Inner iteration  53 Max. residual  1.849E+00
Outer iteration    1 Inner iteration  54 Max. residual  1.587E+00
Outer iteration    1 Inner iteration  55 Max. residual  1.863E+00
Outer iteration    1 Inner iteration  56 Max. residual  1.822E+00
Outer iteration    1 Inner iteration  57 Max. residual  1.975E+00
Outer iteration    1 Inner iteration  58 Max. residual  1.971E+00
Outer iteration    1 Inner iteration  59 Max. residual  1.602E+00
Outer iteration    1 Inner iteration  60 Max. residual  9.685E-01
Outer iteration    1 Inner iteration  61 Max. residual  5.645E-01
Outer iteration    1 Inner iteration  62 Max. residual  2.160E-01
Outer iteration    1 Inner iteration  63 Max. residual  1.049E-01
Outer iteration    1 Inner iteration  64 Max. residual  8.582E-02
Outer iteration    1 Inner iteration  65 Max. residual  7.180E-02
Outer iteration    1 Inner iteration  66 Max. residual  5.936E-02
Outer iteration    1 Inner iteration  67 Max. residual  5.174E-02
Outer iteration    1 Inner iteration  68 Max. residual  4.571E-02
```

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 Outer iteration    1 Inner iteration  69 Max. residual  3.913E-02
 Outer iteration    1 Inner iteration  70 Max. residual  3.673E-02
 Outer iteration    1 Inner iteration  71 Max. residual  3.510E-02
 Outer iteration    1 Inner iteration  72 Max. residual  3.059E-02
 Outer iteration    1 Inner iteration  73 Max. residual  2.248E-02
 Outer iteration    1 Inner iteration  74 Max. residual  2.128E-02
 Outer iteration    1 Inner iteration  75 Max. residual  2.172E-02
 Outer iteration    1 Inner iteration  76 Max. residual  2.056E-02
 Outer iteration    1 Inner iteration  77 Max. residual  6.488E-03
 Outer iteration    1 Inner iteration  78 Max. residual  5.898E-03
 Outer iteration    1 Inner iteration  79 Max. residual  5.667E-03
 Outer iteration    1 Inner iteration  80 Max. residual  5.266E-03
 Outer iteration    1 Inner iteration  81 Max. residual  5.010E-03
 Outer iteration    1 Inner iteration  82 Max. residual  4.889E-03
 Outer iteration    1 Inner iteration  83 Max. residual  4.548E-03
 Outer iteration    1 Inner iteration  84 Max. residual  3.597E-03
 Outer iteration    1 Inner iteration  85 Max. residual  3.379E-03
 Outer iteration    1 Inner iteration  86 Max. residual  3.075E-03
 Outer iteration    1 Inner iteration  87 Max. residual  2.687E-03
 Outer iteration    1 Inner iteration  88 Max. residual  2.313E-03
 Outer iteration    1 Inner iteration  89 Max. residual  2.108E-03
 Outer iteration    1 Inner iteration  90 Max. residual  1.435E-03
 Outer iteration    1 Inner iteration  91 Max. residual  1.295E-03
 Outer iteration    1 Inner iteration  92 Max. residual  9.785E-04
 Outer iteration    1 Inner iteration  93 Max. residual  7.694E-04
 Outer iteration    1 Inner iteration  94 Max. residual  2.253E-04
 Outer iteration    1 Inner iteration  95 Max. residual  2.218E-04
 Outer iteration    1 Inner iteration  96 Max. residual  2.239E-04
 Outer iteration    1 Inner iteration  97 Max. residual  1.433E-04
 Outer iteration    1 Inner iteration  98 Max. residual  5.928E-05

 CELL CONVERSIONS FOR ITER.=  2  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 12, 99)   DRY( 15, 93)   DRY( 15,104)   DRY( 17, 91)   DRY( 17,
98)
    DRY( 17, 99)   DRY( 18, 94)   DRY( 18, 95)   DRY( 19,100)   DRY( 22,
83)
    DRY( 24,100)   DRY( 25,100)   DRY( 28, 93)   DRY( 33, 94)   DRY( 34,
92)
    DRY( 36, 89)   DRY( 37, 88)   DRY( 38, 84)   DRY( 38, 87)   DRY( 40,
80)
    DRY( 45, 81)   DRY( 45, 82)   DRY( 46, 81)   DRY( 46, 82)   DRY(
46,105)
    DRY( 48,100)   DRY( 51,103)   DRY( 55,100)   DRY( 56, 99)   DRY( 58,
11)
    DRY( 58,100)   DRY( 69, 15)   DRY( 70, 16)   DRY( 72, 12)   DRY( 75,
13)
    DRY( 76, 11)   DRY( 80, 12)   DRY( 80, 61)   DRY( 81, 28)   DRY( 82,
29)
    DRY( 85, 10)   DRY( 85, 15)   DRY( 85, 94)   DRY( 86, 15)   DRY( 86,
86)
    DRY( 86, 91)   DRY( 87,  8)   DRY( 87, 15)   DRY( 87, 31)   DRY( 87,
86)
    DRY( 87, 91)   DRY( 88,  8)   DRY( 88, 14)   DRY( 88, 15)   DRY( 88,
31)
    DRY( 88, 86)   DRY( 89,  8)   DRY( 89, 14)   DRY( 89, 93)   DRY( 89,
94)
    DRY( 90, 13)   DRY( 90, 14)   DRY( 90, 92)   DRY( 90, 93)   DRY( 90,
94)
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DRY(177,100) DRY(177,101) DRY(177,102) DRY(177,103) DRY(177,104)
DRY(177,105) DRY(178, 93) DRY(178, 94) DRY(178, 95) DRY(178, 96)
DRY(178, 97) DRY(178, 98) DRY(178, 99) DRY(178,100) DRY(178,101)

```
    DRY(178,102)   DRY(178,103)   DRY(178,104)   DRY(178,105)   DRY(179,
95)
    DRY(179, 96)   DRY(179, 97)   DRY(179, 98)   DRY(179, 99)
DRY(179,100)
    DRY(179,101)   DRY(179,102)   DRY(179,103)   DRY(179,104)
DRY(179,105)
    DRY(180, 97)   DRY(180, 98)   DRY(180, 99)   DRY(180,100)
DRY(180,101)
    DRY(180,102)   DRY(180,103)   DRY(180,104)   DRY(180,105)   DRY(181,
99)
    DRY(181,100)   DRY(181,101)   DRY(181,102)   DRY(181,103)
DRY(181,104)
    DRY(181,105)
0


                                                              SOLUTION BY
CGSTAB-P
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----------------------------
 Outer iteration    2 Inner iteration   1 Max. residual  2.190E+05
 Outer iteration    2 Inner iteration   2 Max. residual  7.449E+04
 Outer iteration    2 Inner iteration   3 Max. residual  2.143E+04
 Outer iteration    2 Inner iteration   4 Max. residual  1.311E+04
 Outer iteration    2 Inner iteration   5 Max. residual  8.491E+03
 Outer iteration    2 Inner iteration   6 Max. residual  6.871E+03
 Outer iteration    2 Inner iteration   7 Max. residual  6.465E+03
 Outer iteration    2 Inner iteration   8 Max. residual  5.004E+03
 Outer iteration    2 Inner iteration   9 Max. residual  1.995E+03
 Outer iteration    2 Inner iteration  10 Max. residual  1.592E+03
 Outer iteration    2 Inner iteration  11 Max. residual  1.355E+03
 Outer iteration    2 Inner iteration  12 Max. residual  9.224E+02
 Outer iteration    2 Inner iteration  13 Max. residual  9.544E+02
 Outer iteration    2 Inner iteration  14 Max. residual  9.197E+02
 Outer iteration    2 Inner iteration  15 Max. residual  9.609E+02
 Outer iteration    2 Inner iteration  16 Max. residual  9.613E+02
 Outer iteration    2 Inner iteration  17 Max. residual  9.921E+02
 Outer iteration    2 Inner iteration  18 Max. residual  5.491E+02
 Outer iteration    2 Inner iteration  19 Max. residual  4.582E+02
 Outer iteration    2 Inner iteration  20 Max. residual  1.407E+02
 Outer iteration    2 Inner iteration  21 Max. residual  5.753E+01
 Outer iteration    2 Inner iteration  22 Max. residual  3.655E+01
 Outer iteration    2 Inner iteration  23 Max. residual  2.166E+01
 Outer iteration    2 Inner iteration  24 Max. residual  2.061E+01
 Outer iteration    2 Inner iteration  25 Max. residual  2.036E+01
 Outer iteration    2 Inner iteration  26 Max. residual  1.912E+01
 Outer iteration    2 Inner iteration  27 Max. residual  1.841E+01
 Outer iteration    2 Inner iteration  28 Max. residual  1.661E+01
 Outer iteration    2 Inner iteration  29 Max. residual  1.627E+01
 Outer iteration    2 Inner iteration  30 Max. residual  1.624E+01
 Outer iteration    2 Inner iteration  31 Max. residual  1.621E+01
 Outer iteration    2 Inner iteration  32 Max. residual  1.636E+01
 Outer iteration    2 Inner iteration  33 Max. residual  1.559E+01
 Outer iteration    2 Inner iteration  34 Max. residual  1.573E+01
 Outer iteration    2 Inner iteration  35 Max. residual  2.267E+01
 Outer iteration    2 Inner iteration  36 Max. residual  4.890E+01
 Outer iteration    2 Inner iteration  37 Max. residual  2.159E+02
 Outer iteration    2 Inner iteration  38 Max. residual  2.525E+01
 Outer iteration    2 Inner iteration  39 Max. residual  9.477E+00
 Outer iteration    2 Inner iteration  40 Max. residual  6.793E+00
```

```
Outer iteration    2 Inner iteration  41 Max. residual  6.078E+00
Outer iteration    2 Inner iteration  42 Max. residual  5.824E+00
Outer iteration    2 Inner iteration  43 Max. residual  5.412E+00
Outer iteration    2 Inner iteration  44 Max. residual  5.467E+00
Outer iteration    2 Inner iteration  45 Max. residual  4.573E+00
Outer iteration    2 Inner iteration  46 Max. residual  4.751E+00
Outer iteration    2 Inner iteration  47 Max. residual  6.173E+00
Outer iteration    2 Inner iteration  48 Max. residual  8.856E+00
Outer iteration    2 Inner iteration  49 Max. residual  4.717E+00
Outer iteration    2 Inner iteration  50 Max. residual  3.159E+00
Outer iteration    2 Inner iteration  51 Max. residual  2.197E+00
Outer iteration    2 Inner iteration  52 Max. residual  1.884E+00
Outer iteration    2 Inner iteration  53 Max. residual  2.462E+00
Outer iteration    2 Inner iteration  54 Max. residual  2.040E+00
Outer iteration    2 Inner iteration  55 Max. residual  1.619E+00
Outer iteration    2 Inner iteration  56 Max. residual  1.412E+00
Outer iteration    2 Inner iteration  57 Max. residual  1.270E+00
Outer iteration    2 Inner iteration  58 Max. residual  1.156E+00
Outer iteration    2 Inner iteration  59 Max. residual  8.419E-01
Outer iteration    2 Inner iteration  60 Max. residual  7.303E-01
Outer iteration    2 Inner iteration  61 Max. residual  6.527E-01
Outer iteration    2 Inner iteration  62 Max. residual  5.448E-01
Outer iteration    2 Inner iteration  63 Max. residual  4.341E-01
Outer iteration    2 Inner iteration  64 Max. residual  3.378E-01
Outer iteration    2 Inner iteration  65 Max. residual  2.115E-01
Outer iteration    2 Inner iteration  66 Max. residual  1.607E-01
Outer iteration    2 Inner iteration  67 Max. residual  1.405E-01
Outer iteration    2 Inner iteration  68 Max. residual  1.376E-01
Outer iteration    2 Inner iteration  69 Max. residual  1.377E-01
Outer iteration    2 Inner iteration  70 Max. residual  1.356E-01
Outer iteration    2 Inner iteration  71 Max. residual  1.921E-02
Outer iteration    2 Inner iteration  72 Max. residual  1.296E-01
Outer iteration    2 Inner iteration  73 Max. residual  3.035E-02
Outer iteration    2 Inner iteration  74 Max. residual  2.006E-02
Outer iteration    2 Inner iteration  75 Max. residual  1.192E-02
Outer iteration    2 Inner iteration  76 Max. residual  1.355E-02
Outer iteration    2 Inner iteration  77 Max. residual  9.860E-03
Outer iteration    2 Inner iteration  78 Max. residual  9.326E-03
Outer iteration    2 Inner iteration  79 Max. residual  7.689E-03
Outer iteration    2 Inner iteration  80 Max. residual  7.440E-03
Outer iteration    2 Inner iteration  81 Max. residual  7.229E-03
Outer iteration    2 Inner iteration  82 Max. residual  6.726E-03
Outer iteration    2 Inner iteration  83 Max. residual  5.347E-03
Outer iteration    2 Inner iteration  84 Max. residual  4.103E-03
Outer iteration    2 Inner iteration  85 Max. residual  3.895E-03
Outer iteration    2 Inner iteration  86 Max. residual  3.870E-03
Outer iteration    2 Inner iteration  87 Max. residual  3.864E-03
Outer iteration    2 Inner iteration  88 Max. residual  3.265E-03
Outer iteration    2 Inner iteration  89 Max. residual  3.222E-03
Outer iteration    2 Inner iteration  90 Max. residual  2.953E-03
Outer iteration    2 Inner iteration  91 Max. residual  2.809E-03
Outer iteration    2 Inner iteration  92 Max. residual  1.787E-03
Outer iteration    2 Inner iteration  93 Max. residual  1.795E-03
Outer iteration    2 Inner iteration  94 Max. residual  6.919E-04
Outer iteration    2 Inner iteration  95 Max. residual  3.313E-04
Outer iteration    2 Inner iteration  96 Max. residual  6.897E-04
Outer iteration    2 Inner iteration  97 Max. residual  8.417E-04
Outer iteration    2 Inner iteration  98 Max. residual  8.840E-04
Outer iteration    2 Inner iteration  99 Max. residual  8.999E-04
Outer iteration    2 Inner iteration 100 Max. residual  8.795E-04
```

```
 Outer iteration    2 Inner iteration 101 Max. residual  8.558E-04
 Outer iteration    2 Inner iteration 102 Max. residual  8.014E-04
 Outer iteration    2 Inner iteration 103 Max. residual  7.770E-04
 Outer iteration    2 Inner iteration 104 Max. residual  7.164E-04
 Outer iteration    2 Inner iteration 105 Max. residual  7.196E-04
 Outer iteration    2 Inner iteration 106 Max. residual  7.985E-04
 Outer iteration    2 Inner iteration 107 Max. residual  2.088E-03
 Outer iteration    2 Inner iteration 108 Max. residual  3.329E-03
 Outer iteration    2 Inner iteration 109 Max. residual  7.265E-04
 Outer iteration    2 Inner iteration 110 Max. residual  3.757E-04
 Outer iteration    2 Inner iteration 111 Max. residual  7.535E-05

 CELL CONVERSIONS FOR ITER.=  3  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 12, 98)   DRY( 16, 92)   DRY( 17,100)   DRY( 18, 93)   DRY(
18,100)
    DRY( 20,100)   DRY( 26,100)   DRY( 27,100)   DRY( 28, 99)   DRY( 30,
92)
    DRY( 33, 95)   DRY( 34, 93)   DRY( 35, 91)   DRY( 36, 90)   DRY(
36,102)
    DRY( 38, 85)   DRY( 38, 86)   DRY( 39, 81)   DRY( 41, 81)   DRY( 42,
83)
    DRY( 45,103)   DRY( 51,102)   DRY( 52,101)   DRY( 54,100)   DRY( 57,
99)
    DRY( 57,104)   DRY( 58,101)   DRY( 70, 15)   DRY( 81, 16)   DRY( 82,
16)
    DRY( 82, 28)   DRY( 85, 31)   DRY( 85, 86)   DRY( 85, 91)   DRY( 85,
93)
    DRY( 85, 95)   DRY( 86,  8)   DRY( 86, 14)   DRY( 86, 31)   DRY( 87,
14)
    DRY( 87, 93)   DRY( 87, 94)   DRY( 88, 93)   DRY( 88, 94)   DRY(
88,105)
    DRY( 89,  9)   DRY( 89, 12)   DRY( 89, 13)   DRY( 89, 28)   DRY( 89,
92)
    DRY( 89, 95)   DRY( 89, 96)   DRY( 89,105)   DRY( 90,  9)   DRY( 90,
10)
    DRY( 90, 11)   DRY( 90, 12)   DRY( 90, 28)   DRY( 90, 29)   DRY( 90,
30)
    DRY( 90, 96)   DRY( 92, 17)   DRY( 92, 20)   DRY( 92, 49)   DRY( 92,
50)
    DRY( 92, 51)   DRY( 92, 52)   DRY( 92, 53)   DRY( 93,  5)   DRY( 93,
20)
    DRY( 93, 42)   DRY( 93, 43)   DRY( 93, 47)   DRY( 93, 50)   DRY( 93,
51)
    DRY( 93, 53)   DRY( 94,  4)   DRY( 94,  5)   DRY( 94, 20)   DRY( 94,
50)
    DRY( 94, 51)   DRY( 94, 53)   DRY( 94, 89)   DRY( 95,  4)   DRY( 95,
5)
    DRY( 95,  6)   DRY( 95, 20)   DRY( 95, 45)   DRY( 95, 46)   DRY( 95,
50)
    DRY( 95, 51)   DRY( 95, 52)   DRY( 95, 53)   DRY( 95, 89)   DRY( 96,
7)
    DRY( 96, 16)   DRY( 96, 27)   DRY( 97,  3)   DRY( 97,  7)   DRY( 97,
89)
    DRY( 98, 31)   DRY( 99, 27)   DRY(100,  1)   DRY(100,  2)   DRY(100,
27)
    DRY(101,  1)   DRY(101, 27)   DRY(101, 30)   DRY(102, 28)   DRY(103,
28)
    DRY(104,  2)   DRY(104, 17)   DRY(105,  2)   DRY(106,  3)   DRY(107,
3)
```

```
    DRY(107, 17)   DRY(108,  3)   DRY(108, 17)   DRY(109,  3)   DRY(109,
17)
    DRY(112,  2)   DRY(112,  4)   DRY(112, 13)   DRY(113,  2)   DRY(113,
4)
    DRY(114,  2)   DRY(114,  4)   DRY(115,  3)   DRY(116,  3)   DRY(117,
1)
    DRY(118,  1)   DRY(119,  1)   DRY(120,  1)   DRY(121,  1)   DRY(123,
5)
    DRY(124,  5)   DRY(125,105)   DRY(128,101)   DRY(130,104)
DRY(137,105)
    DRY(139, 81)   DRY(140,103)   DRY(141, 80)   DRY(144, 81)
DRY(146,103)
    DRY(147, 90)   DRY(148, 85)   DRY(149, 85)   DRY(151, 89)   DRY(151,
96)
    DRY(160, 85)   DRY(160, 86)   DRY(161, 72)   DRY(161, 73)   DRY(161,
75)
    DRY(161, 76)   DRY(161, 99)   DRY(162, 93)   DRY(166, 90)
DRY(169,101)
0


                                                                SOLUTION BY
CGSTAB-P
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 Outer iteration    3 Inner iteration   1 Max. residual  1.529E+05
 Outer iteration    3 Inner iteration   2 Max. residual  5.109E+04
 Outer iteration    3 Inner iteration   3 Max. residual  1.461E+04
 Outer iteration    3 Inner iteration   4 Max. residual  9.463E+03
 Outer iteration    3 Inner iteration   5 Max. residual  6.094E+03
 Outer iteration    3 Inner iteration   6 Max. residual  4.864E+03
 Outer iteration    3 Inner iteration   7 Max. residual  3.454E+03
 Outer iteration    3 Inner iteration   8 Max. residual  3.467E+03
 Outer iteration    3 Inner iteration   9 Max. residual  6.923E+03
 Outer iteration    3 Inner iteration  10 Max. residual  2.324E+03
 Outer iteration    3 Inner iteration  11 Max. residual  5.352E+02
 Outer iteration    3 Inner iteration  12 Max. residual  4.652E+02
 Outer iteration    3 Inner iteration  13 Max. residual  4.472E+02
 Outer iteration    3 Inner iteration  14 Max. residual  4.189E+02
 Outer iteration    3 Inner iteration  15 Max. residual  3.790E+02
 Outer iteration    3 Inner iteration  16 Max. residual  3.222E+02
 Outer iteration    3 Inner iteration  17 Max. residual  2.234E+02
 Outer iteration    3 Inner iteration  18 Max. residual  1.288E+02
 Outer iteration    3 Inner iteration  19 Max. residual  9.884E+01
 Outer iteration    3 Inner iteration  20 Max. residual  7.400E+01
 Outer iteration    3 Inner iteration  21 Max. residual  4.539E+01
 Outer iteration    3 Inner iteration  22 Max. residual  3.337E+01
 Outer iteration    3 Inner iteration  23 Max. residual  2.635E+01
 Outer iteration    3 Inner iteration  24 Max. residual  2.947E+01
 Outer iteration    3 Inner iteration  25 Max. residual  2.841E+02
 Outer iteration    3 Inner iteration  26 Max. residual  1.686E+01
 Outer iteration    3 Inner iteration  27 Max. residual  1.651E+01
 Outer iteration    3 Inner iteration  28 Max. residual  1.656E+01
 Outer iteration    3 Inner iteration  29 Max. residual  1.500E+01
 Outer iteration    3 Inner iteration  30 Max. residual  1.492E+01
 Outer iteration    3 Inner iteration  31 Max. residual  1.515E+01
 Outer iteration    3 Inner iteration  32 Max. residual  1.600E+01
 Outer iteration    3 Inner iteration  33 Max. residual  1.757E+01
 Outer iteration    3 Inner iteration  34 Max. residual  2.140E+01
 Outer iteration    3 Inner iteration  35 Max. residual  3.020E+01
```

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Outer iteration    3 Inner iteration  36 Max. residual  5.043E+01
Outer iteration    3 Inner iteration  37 Max. residual  3.214E+02
Outer iteration    3 Inner iteration  38 Max. residual  5.407E+01
Outer iteration    3 Inner iteration  39 Max. residual  1.987E+01
Outer iteration    3 Inner iteration  40 Max. residual  1.945E+01
Outer iteration    3 Inner iteration  41 Max. residual  1.743E+01
Outer iteration    3 Inner iteration  42 Max. residual  1.126E+01
Outer iteration    3 Inner iteration  43 Max. residual  1.893E+01
Outer iteration    3 Inner iteration  44 Max. residual  7.652E+00
Outer iteration    3 Inner iteration  45 Max. residual  7.480E+00
Outer iteration    3 Inner iteration  46 Max. residual  7.521E+00
Outer iteration    3 Inner iteration  47 Max. residual  7.525E+00
Outer iteration    3 Inner iteration  48 Max. residual  8.143E+00
Outer iteration    3 Inner iteration  49 Max. residual  1.775E+01
Outer iteration    3 Inner iteration  50 Max. residual  3.433E+01
Outer iteration    3 Inner iteration  51 Max. residual  1.223E+01
Outer iteration    3 Inner iteration  52 Max. residual  8.139E+00
Outer iteration    3 Inner iteration  53 Max. residual  6.741E-01
Outer iteration    3 Inner iteration  54 Max. residual  6.634E-01
Outer iteration    3 Inner iteration  55 Max. residual  1.048E+00
Outer iteration    3 Inner iteration  56 Max. residual  6.353E-01
Outer iteration    3 Inner iteration  57 Max. residual  6.358E-01
Outer iteration    3 Inner iteration  58 Max. residual  6.274E-01
Outer iteration    3 Inner iteration  59 Max. residual  6.238E-01
Outer iteration    3 Inner iteration  60 Max. residual  6.114E-01
Outer iteration    3 Inner iteration  61 Max. residual  6.175E-01
Outer iteration    3 Inner iteration  62 Max. residual  6.251E-01
Outer iteration    3 Inner iteration  63 Max. residual  6.136E-01
Outer iteration    3 Inner iteration  64 Max. residual  6.101E-01
Outer iteration    3 Inner iteration  65 Max. residual  6.110E-01
Outer iteration    3 Inner iteration  66 Max. residual  5.990E-01
Outer iteration    3 Inner iteration  67 Max. residual  5.982E-01
Outer iteration    3 Inner iteration  68 Max. residual  5.456E-01
Outer iteration    3 Inner iteration  69 Max. residual  5.460E-01
Outer iteration    3 Inner iteration  70 Max. residual  5.413E-01
Outer iteration    3 Inner iteration  71 Max. residual  5.222E-01
Outer iteration    3 Inner iteration  72 Max. residual  4.200E-01
Outer iteration    3 Inner iteration  73 Max. residual  4.622E-01
Outer iteration    3 Inner iteration  74 Max. residual  4.598E-01
Outer iteration    3 Inner iteration  75 Max. residual  4.273E-01
Outer iteration    3 Inner iteration  76 Max. residual  2.740E-01
Outer iteration    3 Inner iteration  77 Max. residual  2.227E-01
Outer iteration    3 Inner iteration  78 Max. residual  1.921E-01
Outer iteration    3 Inner iteration  79 Max. residual  1.607E-01
Outer iteration    3 Inner iteration  80 Max. residual  1.115E-01
Outer iteration    3 Inner iteration  81 Max. residual  1.056E-01
Outer iteration    3 Inner iteration  82 Max. residual  1.007E-01
Outer iteration    3 Inner iteration  83 Max. residual  4.646E-02
Outer iteration    3 Inner iteration  84 Max. residual  2.541E-02
Outer iteration    3 Inner iteration  85 Max. residual  1.801E-02
Outer iteration    3 Inner iteration  86 Max. residual  4.989E-03
Outer iteration    3 Inner iteration  87 Max. residual  1.641E-02
Outer iteration    3 Inner iteration  88 Max. residual  1.668E-02
Outer iteration    3 Inner iteration  89 Max. residual  1.386E-02
Outer iteration    3 Inner iteration  90 Max. residual  1.435E-02
Outer iteration    3 Inner iteration  91 Max. residual  1.498E-02
Outer iteration    3 Inner iteration  92 Max. residual  1.400E-02
Outer iteration    3 Inner iteration  93 Max. residual  1.433E-02
Outer iteration    3 Inner iteration  94 Max. residual  1.350E-02
Outer iteration    3 Inner iteration  95 Max. residual  2.084E-02
```

```
 Outer iteration    3 Inner iteration  96 Max. residual  1.370E-02
 Outer iteration    3 Inner iteration  97 Max. residual  1.358E-02
 Outer iteration    3 Inner iteration  98 Max. residual  1.350E-02
 Outer iteration    3 Inner iteration  99 Max. residual  1.239E-02
 Outer iteration    3 Inner iteration 100 Max. residual  1.249E-02
 Outer iteration    3 Inner iteration 101 Max. residual  1.294E-02
 Outer iteration    3 Inner iteration 102 Max. residual  1.448E-02
 Outer iteration    3 Inner iteration 103 Max. residual  2.166E-02
 Outer iteration    3 Inner iteration 104 Max. residual  6.112E-02
 Outer iteration    3 Inner iteration 105 Max. residual  4.066E-03
 Outer iteration    3 Inner iteration 106 Max. residual  1.345E-03
 Outer iteration    3 Inner iteration 107 Max. residual  6.031E-04
 Outer iteration    3 Inner iteration 108 Max. residual  4.136E-04
 Outer iteration    3 Inner iteration 109 Max. residual  3.614E-04
 Outer iteration    3 Inner iteration 110 Max. residual  3.043E-04
 Outer iteration    3 Inner iteration 111 Max. residual  3.100E-04
 Outer iteration    3 Inner iteration 112 Max. residual  2.990E-04
 Outer iteration    3 Inner iteration 113 Max. residual  2.851E-04
 Outer iteration    3 Inner iteration 114 Max. residual  3.311E-04
 Outer iteration    3 Inner iteration 115 Max. residual  3.198E-04
 Outer iteration    3 Inner iteration 116 Max. residual  3.003E-04
 Outer iteration    3 Inner iteration 117 Max. residual  2.007E-04
 Outer iteration    3 Inner iteration 118 Max. residual  2.016E-04
 Outer iteration    3 Inner iteration 119 Max. residual  1.959E-04
 Outer iteration    3 Inner iteration 120 Max. residual  1.414E-04
 Outer iteration    3 Inner iteration 121 Max. residual  3.097E-05

 CELL CONVERSIONS FOR ITER.=  4  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 13, 99)   DRY( 13,100)   DRY( 14,102)   DRY( 15, 94)   DRY( 17,
97)
    DRY( 21,100)   DRY( 28, 92)   DRY( 29, 99)   DRY( 30, 98)   DRY( 30,
99)
    DRY( 31, 88)   DRY( 31, 97)   DRY( 32, 96)   DRY( 37, 89)   DRY( 38,
88)
    DRY( 39, 82)   DRY( 39, 86)   DRY( 39, 87)   DRY( 42, 84)   DRY(
42,102)
    DRY( 43, 83)   DRY( 43, 84)   DRY( 43,102)   DRY( 44,103)   DRY( 47,
81)
    DRY( 47, 82)   DRY( 50,105)   DRY( 51,104)   DRY( 53,100)   DRY( 58,
99)
    DRY( 58,102)   DRY( 58,105)   DRY( 77, 59)   DRY( 77, 60)   DRY( 80,
16)
    DRY( 81, 10)   DRY( 83, 15)   DRY( 84, 15)   DRY( 85,  8)   DRY( 85,
14)
    DRY( 86, 93)   DRY( 86, 94)   DRY( 87, 13)   DRY( 87, 28)   DRY( 87,
85)
    DRY( 87, 95)   DRY( 87, 96)   DRY( 87,105)   DRY( 88, 12)   DRY( 88,
13)
    DRY( 88, 28)   DRY( 88, 85)   DRY( 88, 92)   DRY( 88, 95)   DRY( 88,
96)
    DRY( 89, 10)   DRY( 89, 11)   DRY( 89, 29)   DRY( 89, 30)   DRY( 89,
85)
    DRY( 89, 97)   DRY( 89,100)   DRY( 89,101)   DRY( 90, 85)   DRY( 90,
97)
    DRY( 90, 98)   DRY( 90, 99)   DRY( 90,100)   DRY( 90,101)   DRY(
90,102)
    DRY( 90,103)   DRY( 90,104)   DRY( 92, 18)   DRY( 92, 19)   DRY( 92,
25)
```

```
    DRY( 92, 26)   DRY( 92, 35)   DRY( 92, 37)   DRY( 92, 38)   DRY( 92,
41)
    DRY( 93, 17)   DRY( 93, 26)   DRY( 94, 17)   DRY( 94, 18)   DRY( 94,
19)
    DRY( 94, 25)   DRY( 94, 26)   DRY( 94, 37)   DRY( 94, 39)   DRY( 94,
40)
    DRY( 94, 41)   DRY( 94, 42)   DRY( 94, 43)   DRY( 94, 46)   DRY( 94,
47)
    DRY( 94, 48)   DRY( 94, 52)   DRY( 94, 88)   DRY( 95, 17)   DRY( 95,
26)
    DRY( 95, 37)   DRY( 95, 39)   DRY( 95, 40)   DRY( 95, 41)   DRY( 95,
47)
    DRY( 95, 48)   DRY( 96, 20)   DRY( 96, 48)   DRY( 96, 52)   DRY( 96,
53)
    DRY( 96, 90)   DRY( 97, 48)   DRY( 97, 88)   DRY( 98,  3)   DRY( 98,
27)
    DRY( 99,  3)   DRY( 99, 31)   DRY(101,  2)   DRY(102, 27)   DRY(103,
27)
    DRY(104,  1)   DRY(105,  1)   DRY(105, 17)   DRY(106,  1)   DRY(108,
11)
    DRY(110, 17)   DRY(111,  4)   DRY(111, 17)   DRY(112, 17)   DRY(113,
13)
    DRY(113, 17)   DRY(114, 15)   DRY(115,  2)   DRY(115,  4)   DRY(116,
2)
    DRY(116,  4)   DRY(117,  3)   DRY(117,  4)   DRY(118,  3)   DRY(118,
4)
    DRY(118,  5)   DRY(118,  8)   DRY(118,  9)   DRY(119,  3)   DRY(119,
4)
    DRY(119,  5)   DRY(120,  3)   DRY(120,  4)   DRY(120,  5)   DRY(121,
3)
    DRY(121,  4)   DRY(121,  5)   DRY(122,  1)   DRY(122,  4)   DRY(122,
5)
    DRY(123,  1)   DRY(123,  4)   DRY(123,  8)   DRY(123, 12)   DRY(124,
1)
    DRY(124,  4)   DRY(124,  8)   DRY(124, 13)   DRY(125,  1)   DRY(125,
4)
    DRY(125,  5)   DRY(125, 10)   DRY(126,  1)   DRY(126,104)
DRY(127,101)
    DRY(129,  8)   DRY(138,105)   DRY(139,104)   DRY(141, 79)   DRY(143,
79)
    DRY(145, 83)   DRY(145, 84)   DRY(146, 84)   DRY(146, 86)   DRY(146,
88)
    DRY(146,104)   DRY(147, 79)   DRY(147, 81)   DRY(149, 83)   DRY(149,
84)
    DRY(149,105)   DRY(153, 93)   DRY(160, 99)   DRY(161, 70)   DRY(161,
71)
    DRY(161, 74)   DRY(161, 80)   DRY(161, 87)   DRY(163, 93)   DRY(165,
88)
    DRY(166, 88)   DRY(166, 89)   DRY(167, 92)   DRY(168, 93)   DRY(170,
96)
0


                                                          SOLUTION BY
CGSTAB-P
                                                          ----------
----------------------------
 Outer iteration    4 Inner iteration   1 Max. residual  1.069E+05
 Outer iteration    4 Inner iteration   2 Max. residual  3.560E+04
 Outer iteration    4 Inner iteration   3 Max. residual  1.013E+04
```

```
Outer iteration    4 Inner iteration   4 Max. residual  6.135E+03
Outer iteration    4 Inner iteration   5 Max. residual  3.841E+03
Outer iteration    4 Inner iteration   6 Max. residual  2.860E+03
Outer iteration    4 Inner iteration   7 Max. residual  2.306E+03
Outer iteration    4 Inner iteration   8 Max. residual  1.281E+03
Outer iteration    4 Inner iteration   9 Max. residual  1.842E+03
Outer iteration    4 Inner iteration  10 Max. residual  2.418E+03
Outer iteration    4 Inner iteration  11 Max. residual  2.818E+02
Outer iteration    4 Inner iteration  12 Max. residual  3.158E+02
Outer iteration    4 Inner iteration  13 Max. residual  3.063E+02
Outer iteration    4 Inner iteration  14 Max. residual  2.927E+02
Outer iteration    4 Inner iteration  15 Max. residual  2.606E+02
Outer iteration    4 Inner iteration  16 Max. residual  2.202E+02
Outer iteration    4 Inner iteration  17 Max. residual  1.497E+02
Outer iteration    4 Inner iteration  18 Max. residual  8.568E+01
Outer iteration    4 Inner iteration  19 Max. residual  5.155E+01
Outer iteration    4 Inner iteration  20 Max. residual  2.818E+01
Outer iteration    4 Inner iteration  21 Max. residual  1.387E+01
Outer iteration    4 Inner iteration  22 Max. residual  1.254E+01
Outer iteration    4 Inner iteration  23 Max. residual  1.278E+01
Outer iteration    4 Inner iteration  24 Max. residual  1.286E+01
Outer iteration    4 Inner iteration  25 Max. residual  1.279E+01
Outer iteration    4 Inner iteration  26 Max. residual  1.265E+01
Outer iteration    4 Inner iteration  27 Max. residual  1.247E+01
Outer iteration    4 Inner iteration  28 Max. residual  1.233E+01
Outer iteration    4 Inner iteration  29 Max. residual  1.241E+01
Outer iteration    4 Inner iteration  30 Max. residual  1.227E+01
Outer iteration    4 Inner iteration  31 Max. residual  1.348E+01
Outer iteration    4 Inner iteration  32 Max. residual  1.475E+01
Outer iteration    4 Inner iteration  33 Max. residual  1.712E+01
Outer iteration    4 Inner iteration  34 Max. residual  1.957E+01
Outer iteration    4 Inner iteration  35 Max. residual  2.940E+01
Outer iteration    4 Inner iteration  36 Max. residual  3.565E+02
Outer iteration    4 Inner iteration  37 Max. residual  2.670E+01
Outer iteration    4 Inner iteration  38 Max. residual  1.400E+01
Outer iteration    4 Inner iteration  39 Max. residual  1.079E+01
Outer iteration    4 Inner iteration  40 Max. residual  6.732E+00
Outer iteration    4 Inner iteration  41 Max. residual  6.496E+00
Outer iteration    4 Inner iteration  42 Max. residual  6.129E+00
Outer iteration    4 Inner iteration  43 Max. residual  7.158E+00
Outer iteration    4 Inner iteration  44 Max. residual  7.066E+00
Outer iteration    4 Inner iteration  45 Max. residual  4.648E+00
Outer iteration    4 Inner iteration  46 Max. residual  3.895E+00
Outer iteration    4 Inner iteration  47 Max. residual  3.830E+00
Outer iteration    4 Inner iteration  48 Max. residual  3.846E+00
Outer iteration    4 Inner iteration  49 Max. residual  2.920E+00
Outer iteration    4 Inner iteration  50 Max. residual  2.919E+00
Outer iteration    4 Inner iteration  51 Max. residual  2.666E+00
Outer iteration    4 Inner iteration  52 Max. residual  2.651E+00
Outer iteration    4 Inner iteration  53 Max. residual  2.716E+00
Outer iteration    4 Inner iteration  54 Max. residual  3.563E+00
Outer iteration    4 Inner iteration  55 Max. residual  1.029E+01
Outer iteration    4 Inner iteration  56 Max. residual  2.968E+02
Outer iteration    4 Inner iteration  57 Max. residual  2.073E+02
Outer iteration    4 Inner iteration  58 Max. residual  7.429E+00
Outer iteration    4 Inner iteration  59 Max. residual  3.663E+00
Outer iteration    4 Inner iteration  60 Max. residual  1.183E+00
Outer iteration    4 Inner iteration  61 Max. residual  2.805E-01
Outer iteration    4 Inner iteration  62 Max. residual  2.050E-01
Outer iteration    4 Inner iteration  63 Max. residual  2.569E-01
```

```
Outer iteration    4 Inner iteration  64 Max. residual  3.760E-01
Outer iteration    4 Inner iteration  65 Max. residual  1.396E+00
Outer iteration    4 Inner iteration  66 Max. residual  1.848E-01
Outer iteration    4 Inner iteration  67 Max. residual  1.854E-01
Outer iteration    4 Inner iteration  68 Max. residual  1.845E-01
Outer iteration    4 Inner iteration  69 Max. residual  1.655E-01
Outer iteration    4 Inner iteration  70 Max. residual  1.109E-01
Outer iteration    4 Inner iteration  71 Max. residual  1.104E-01
Outer iteration    4 Inner iteration  72 Max. residual  9.746E-02
Outer iteration    4 Inner iteration  73 Max. residual  9.343E-02
Outer iteration    4 Inner iteration  74 Max. residual  1.234E-01
Outer iteration    4 Inner iteration  75 Max. residual  1.037E-01
Outer iteration    4 Inner iteration  76 Max. residual  9.084E-02
Outer iteration    4 Inner iteration  77 Max. residual  7.256E-02
Outer iteration    4 Inner iteration  78 Max. residual  8.653E-02
Outer iteration    4 Inner iteration  79 Max. residual  2.230E-01
Outer iteration    4 Inner iteration  80 Max. residual  3.015E-01
Outer iteration    4 Inner iteration  81 Max. residual  2.575E-01
Outer iteration    4 Inner iteration  82 Max. residual  2.745E-01
Outer iteration    4 Inner iteration  83 Max. residual  8.218E-02
Outer iteration    4 Inner iteration  84 Max. residual  1.446E-01
Outer iteration    4 Inner iteration  85 Max. residual  2.153E-01
Outer iteration    4 Inner iteration  86 Max. residual  6.621E-02
Outer iteration    4 Inner iteration  87 Max. residual  1.014E-02
Outer iteration    4 Inner iteration  88 Max. residual  4.097E-03
Outer iteration    4 Inner iteration  89 Max. residual  2.046E-03
Outer iteration    4 Inner iteration  90 Max. residual  4.755E-04
Outer iteration    4 Inner iteration  91 Max. residual  1.033E-03
Outer iteration    4 Inner iteration  92 Max. residual  1.872E-03
Outer iteration    4 Inner iteration  93 Max. residual  2.358E-03
Outer iteration    4 Inner iteration  94 Max. residual  2.541E-03
Outer iteration    4 Inner iteration  95 Max. residual  2.669E-03
Outer iteration    4 Inner iteration  96 Max. residual  2.714E-03
Outer iteration    4 Inner iteration  97 Max. residual  2.709E-03
Outer iteration    4 Inner iteration  98 Max. residual  2.656E-03
Outer iteration    4 Inner iteration  99 Max. residual  2.654E-03
Outer iteration    4 Inner iteration 100 Max. residual  2.704E-03
Outer iteration    4 Inner iteration 101 Max. residual  2.749E-03
Outer iteration    4 Inner iteration 102 Max. residual  2.652E-03
Outer iteration    4 Inner iteration 103 Max. residual  2.365E-03
Outer iteration    4 Inner iteration 104 Max. residual  5.399E-02
Outer iteration    4 Inner iteration 105 Max. residual  1.116E-03
Outer iteration    4 Inner iteration 106 Max. residual  1.497E-03
Outer iteration    4 Inner iteration 107 Max. residual  1.184E-03
Outer iteration    4 Inner iteration 108 Max. residual  5.904E-04
Outer iteration    4 Inner iteration 109 Max. residual  7.049E-04
Outer iteration    4 Inner iteration 110 Max. residual  4.639E-04
Outer iteration    4 Inner iteration 111 Max. residual  3.405E-04
Outer iteration    4 Inner iteration 112 Max. residual  3.133E-04
Outer iteration    4 Inner iteration 113 Max. residual  5.901E-04
Outer iteration    4 Inner iteration 114 Max. residual  3.800E-04
Outer iteration    4 Inner iteration 115 Max. residual  3.574E-04
Outer iteration    4 Inner iteration 116 Max. residual  3.480E-04
Outer iteration    4 Inner iteration 117 Max. residual  3.384E-04
Outer iteration    4 Inner iteration 118 Max. residual  2.718E-04
Outer iteration    4 Inner iteration 119 Max. residual  1.926E-04
Outer iteration    4 Inner iteration 120 Max. residual  3.311E-04
Outer iteration    4 Inner iteration 121 Max. residual  4.675E-05
```

```
 CELL CONVERSIONS FOR ITER.=  5  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 14,101)   DRY( 15,102)   DRY( 17, 92)   DRY( 17, 96)   DRY( 18,
89)
    DRY( 19,101)   DRY( 22, 81)   DRY( 22, 82)   DRY( 24,101)   DRY(
28,100)
    DRY( 30, 90)   DRY( 32, 97)   DRY( 35,104)   DRY( 36, 99)   DRY(
36,101)
    DRY( 37,100)   DRY( 40, 85)   DRY( 47,105)   DRY( 49,105)   DRY(
51,101)
    DRY( 52,100)   DRY( 56, 98)   DRY( 59,100)   DRY( 71, 13)   DRY( 77,
11)
    DRY( 77, 61)   DRY( 77, 62)   DRY( 77, 63)   DRY( 78, 11)   DRY( 79,
16)
    DRY( 82, 10)   DRY( 83,  9)   DRY( 83, 30)   DRY( 83, 88)   DRY( 85,
96)
    DRY( 86,105)   DRY( 87,  9)   DRY( 87, 11)   DRY( 87, 12)   DRY( 87,
29)
    DRY( 87, 92)   DRY( 87,100)   DRY( 88,  9)   DRY( 88, 10)   DRY( 88,
11)
    DRY( 88, 29)   DRY( 88, 30)   DRY( 88, 97)   DRY( 88,100)   DRY(
88,101)
    DRY( 89, 98)   DRY( 89, 99)   DRY( 89,102)   DRY( 89,103)   DRY(
89,104)
    DRY( 92, 21)   DRY( 92, 24)   DRY( 92, 32)   DRY( 93, 18)   DRY( 93,
19)
    DRY( 93, 21)   DRY( 93, 25)   DRY( 93, 35)   DRY( 93, 37)   DRY( 93,
38)
    DRY( 93, 41)   DRY( 93, 52)   DRY( 94, 21)   DRY( 94, 22)   DRY( 94,
23)
    DRY( 94, 24)   DRY( 94, 32)   DRY( 94, 38)   DRY( 95, 18)   DRY( 95,
19)
    DRY( 95, 21)   DRY( 95, 24)   DRY( 95, 25)   DRY( 95, 36)   DRY( 95,
38)
    DRY( 95, 42)   DRY( 95, 43)   DRY( 95, 88)   DRY( 96,  4)   DRY( 96,
6)
    DRY( 96, 17)   DRY( 96, 41)   DRY( 96, 42)   DRY( 96, 43)   DRY( 96,
45)
    DRY( 96, 46)   DRY( 96, 49)   DRY( 96, 50)   DRY( 96, 51)   DRY( 97,
6)
    DRY( 97, 16)   DRY( 97, 27)   DRY( 98, 48)   DRY( 99, 48)   DRY(100,
17)
    DRY(100, 48)   DRY(101, 17)   DRY(101, 48)   DRY(102,  1)   DRY(103,
1)
    DRY(104, 28)   DRY(105, 28)   DRY(107,  1)   DRY(109,  1)   DRY(109,
11)
    DRY(110,  4)   DRY(114, 14)   DRY(114, 16)   DRY(117,  2)   DRY(118,
2)
    DRY(119,  2)   DRY(119,  9)   DRY(122,  3)   DRY(123,  3)   DRY(123,
13)
    DRY(125,  3)   DRY(125,  9)   DRY(126,  3)   DRY(126,  4)   DRY(126,
5)
    DRY(127,  1)   DRY(127,  4)   DRY(127,  5)   DRY(127,104)   DRY(128,
1)
    DRY(128,  5)   DRY(129,  1)   DRY(129,  5)   DRY(129,  7)   DRY(129,
9)
    DRY(129,102)   DRY(132, 79)   DRY(140,104)   DRY(143,102)   DRY(144,
74)
    DRY(145, 81)   DRY(146, 80)   DRY(146, 81)   DRY(146, 83)   DRY(146,
87)
```

```
    DRY(147, 82)   DRY(147, 84)   DRY(148, 79)   DRY(148, 80)   DRY(148,
81)
    DRY(148, 84)   DRY(150, 75)   DRY(151, 91)   DRY(151,105)   DRY(155,
99)
    DRY(161, 81)   DRY(161, 82)   DRY(161, 86)   DRY(162, 78)   DRY(162,
87)
    DRY(164, 99)   DRY(170,100)
0


                                                                SOLUTION BY
CGSTAB-P
                                                                -----------
---------------------------
 Outer iteration    5 Inner iteration   1 Max. residual  7.482E+04
 Outer iteration    5 Inner iteration   2 Max. residual  2.500E+04
 Outer iteration    5 Inner iteration   3 Max. residual  6.769E+03
 Outer iteration    5 Inner iteration   4 Max. residual  4.224E+03
 Outer iteration    5 Inner iteration   5 Max. residual  2.746E+03
 Outer iteration    5 Inner iteration   6 Max. residual  2.075E+03
 Outer iteration    5 Inner iteration   7 Max. residual  2.035E+03
 Outer iteration    5 Inner iteration   8 Max. residual  7.081E+02
 Outer iteration    5 Inner iteration   9 Max. residual  6.597E+02
 Outer iteration    5 Inner iteration  10 Max. residual  2.938E+03
 Outer iteration    5 Inner iteration  11 Max. residual  3.207E+02
 Outer iteration    5 Inner iteration  12 Max. residual  3.330E+02
 Outer iteration    5 Inner iteration  13 Max. residual  3.097E+02
 Outer iteration    5 Inner iteration  14 Max. residual  2.833E+02
 Outer iteration    5 Inner iteration  15 Max. residual  1.858E+02
 Outer iteration    5 Inner iteration  16 Max. residual  1.013E+02
 Outer iteration    5 Inner iteration  17 Max. residual  3.202E+01
 Outer iteration    5 Inner iteration  18 Max. residual  1.081E+01
 Outer iteration    5 Inner iteration  19 Max. residual  1.253E+01
 Outer iteration    5 Inner iteration  20 Max. residual  1.202E+01
 Outer iteration    5 Inner iteration  21 Max. residual  1.077E+01
 Outer iteration    5 Inner iteration  22 Max. residual  1.017E+01
 Outer iteration    5 Inner iteration  23 Max. residual  1.017E+01
 Outer iteration    5 Inner iteration  24 Max. residual  1.836E+01
 Outer iteration    5 Inner iteration  25 Max. residual  8.644E+00
 Outer iteration    5 Inner iteration  26 Max. residual  8.711E+00
 Outer iteration    5 Inner iteration  27 Max. residual  8.376E+00
 Outer iteration    5 Inner iteration  28 Max. residual  8.332E+00
 Outer iteration    5 Inner iteration  29 Max. residual  8.405E+00
 Outer iteration    5 Inner iteration  30 Max. residual  8.764E+00
 Outer iteration    5 Inner iteration  31 Max. residual  9.194E+00
 Outer iteration    5 Inner iteration  32 Max. residual  9.269E+00
 Outer iteration    5 Inner iteration  33 Max. residual  8.897E+00
 Outer iteration    5 Inner iteration  34 Max. residual  8.842E+00
 Outer iteration    5 Inner iteration  35 Max. residual  1.272E+01
 Outer iteration    5 Inner iteration  36 Max. residual  2.062E+01
 Outer iteration    5 Inner iteration  37 Max. residual  4.483E+01
 Outer iteration    5 Inner iteration  38 Max. residual  2.140E+01
 Outer iteration    5 Inner iteration  39 Max. residual  8.375E+00
 Outer iteration    5 Inner iteration  40 Max. residual  6.214E+00
 Outer iteration    5 Inner iteration  41 Max. residual  5.450E+00
 Outer iteration    5 Inner iteration  42 Max. residual  4.172E+00
 Outer iteration    5 Inner iteration  43 Max. residual  3.700E+00
 Outer iteration    5 Inner iteration  44 Max. residual  3.111E+00
 Outer iteration    5 Inner iteration  45 Max. residual  2.867E+00
 Outer iteration    5 Inner iteration  46 Max. residual  2.417E+00
```

```
Outer iteration    5 Inner iteration  47 Max. residual  2.255E+00
Outer iteration    5 Inner iteration  48 Max. residual  2.037E+00
Outer iteration    5 Inner iteration  49 Max. residual  2.006E+00
Outer iteration    5 Inner iteration  50 Max. residual  1.940E+00
Outer iteration    5 Inner iteration  51 Max. residual  1.914E+00
Outer iteration    5 Inner iteration  52 Max. residual  1.961E+00
Outer iteration    5 Inner iteration  53 Max. residual  1.670E+00
Outer iteration    5 Inner iteration  54 Max. residual  1.322E+00
Outer iteration    5 Inner iteration  55 Max. residual  1.640E+00
Outer iteration    5 Inner iteration  56 Max. residual  5.753E+00
Outer iteration    5 Inner iteration  57 Max. residual  4.534E+00
Outer iteration    5 Inner iteration  58 Max. residual  1.645E+00
Outer iteration    5 Inner iteration  59 Max. residual  5.761E-01
Outer iteration    5 Inner iteration  60 Max. residual  2.628E-01
Outer iteration    5 Inner iteration  61 Max. residual  1.492E-01
Outer iteration    5 Inner iteration  62 Max. residual  7.001E-02
Outer iteration    5 Inner iteration  63 Max. residual  5.596E-02
Outer iteration    5 Inner iteration  64 Max. residual  5.584E-02
Outer iteration    5 Inner iteration  65 Max. residual  5.555E-02
Outer iteration    5 Inner iteration  66 Max. residual  5.526E-02
Outer iteration    5 Inner iteration  67 Max. residual  5.471E-02
Outer iteration    5 Inner iteration  68 Max. residual  5.414E-02
Outer iteration    5 Inner iteration  69 Max. residual  5.377E-02
Outer iteration    5 Inner iteration  70 Max. residual  5.342E-02
Outer iteration    5 Inner iteration  71 Max. residual  5.309E-02
Outer iteration    5 Inner iteration  72 Max. residual  5.245E-02
Outer iteration    5 Inner iteration  73 Max. residual  5.125E-02
Outer iteration    5 Inner iteration  74 Max. residual  3.483E-02
Outer iteration    5 Inner iteration  75 Max. residual  4.935E-02
Outer iteration    5 Inner iteration  76 Max. residual  4.902E-02
Outer iteration    5 Inner iteration  77 Max. residual  4.681E-02
Outer iteration    5 Inner iteration  78 Max. residual  2.454E-01
Outer iteration    5 Inner iteration  79 Max. residual  1.188E-01
Outer iteration    5 Inner iteration  80 Max. residual  2.496E-01
Outer iteration    5 Inner iteration  81 Max. residual  3.327E-01
Outer iteration    5 Inner iteration  82 Max. residual  2.678E-01
Outer iteration    5 Inner iteration  83 Max. residual  2.520E-01
Outer iteration    5 Inner iteration  84 Max. residual  1.755E-01
Outer iteration    5 Inner iteration  85 Max. residual  6.878E-02
Outer iteration    5 Inner iteration  86 Max. residual  1.761E-02
Outer iteration    5 Inner iteration  87 Max. residual  9.428E-03
Outer iteration    5 Inner iteration  88 Max. residual  7.248E-03
Outer iteration    5 Inner iteration  89 Max. residual  4.895E-03
Outer iteration    5 Inner iteration  90 Max. residual  3.300E-03
Outer iteration    5 Inner iteration  91 Max. residual  2.520E-03
Outer iteration    5 Inner iteration  92 Max. residual  1.997E-03
Outer iteration    5 Inner iteration  93 Max. residual  1.786E-03
Outer iteration    5 Inner iteration  94 Max. residual  1.686E-03
Outer iteration    5 Inner iteration  95 Max. residual  1.624E-03
Outer iteration    5 Inner iteration  96 Max. residual  1.528E-03
Outer iteration    5 Inner iteration  97 Max. residual  1.370E-03
Outer iteration    5 Inner iteration  98 Max. residual  1.113E-03
Outer iteration    5 Inner iteration  99 Max. residual  9.209E-04
Outer iteration    5 Inner iteration 100 Max. residual  7.930E-04
Outer iteration    5 Inner iteration 101 Max. residual  6.598E-04
Outer iteration    5 Inner iteration 102 Max. residual  5.337E-04
Outer iteration    5 Inner iteration 103 Max. residual  8.274E-04
Outer iteration    5 Inner iteration 104 Max. residual  5.739E-04
Outer iteration    5 Inner iteration 105 Max. residual  4.148E-04
Outer iteration    5 Inner iteration 106 Max. residual  2.201E-04
```

```
 Outer iteration    5 Inner iteration 107 Max. residual  2.722E-04
 Outer iteration    5 Inner iteration 108 Max. residual  1.859E-04
 Outer iteration    5 Inner iteration 109 Max. residual  1.984E-04
 Outer iteration    5 Inner iteration 110 Max. residual  1.647E-04
 Outer iteration    5 Inner iteration 111 Max. residual  1.501E-04
 Outer iteration    5 Inner iteration 112 Max. residual  1.500E-04
 Outer iteration    5 Inner iteration 113 Max. residual  1.476E-04
 Outer iteration    5 Inner iteration 114 Max. residual  1.385E-04
 Outer iteration    5 Inner iteration 115 Max. residual  1.074E-04
 Outer iteration    5 Inner iteration 116 Max. residual  9.134E-05

 CELL CONVERSIONS FOR ITER.=  6  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 15, 95)   DRY( 16, 93)   DRY( 16, 99)   DRY( 16,104)   DRY( 17,
95)
    DRY( 17,104)   DRY( 18,101)   DRY( 18,104)   DRY( 20,101)   DRY(
23,101)
    DRY( 24,104)   DRY( 25,101)   DRY( 25,104)   DRY( 29, 91)   DRY(
29,100)
    DRY( 31, 98)   DRY( 31, 99)   DRY( 32,104)   DRY( 33, 96)   DRY( 34,
94)
    DRY( 35,103)   DRY( 39, 88)   DRY( 39,101)   DRY( 40, 86)   DRY( 41,
85)
    DRY( 42, 85)   DRY( 45,102)   DRY( 46,104)   DRY( 50,103)   DRY(
51,100)
    DRY( 53, 99)   DRY( 54, 99)   DRY( 55, 99)   DRY( 57, 98)   DRY( 58,
10)
    DRY( 58,103)   DRY( 59, 99)   DRY( 59,105)   DRY( 71, 16)   DRY( 72,
13)
    DRY( 72, 16)   DRY( 73, 12)   DRY( 76,105)   DRY( 77, 16)   DRY( 80,
62)
    DRY( 81, 15)   DRY( 81,105)   DRY( 82, 15)   DRY( 82,105)   DRY( 83,
14)
    DRY( 83, 28)   DRY( 83, 29)   DRY( 83, 89)   DRY( 83, 94)   DRY(
83,105)
    DRY( 84,  9)   DRY( 84, 14)   DRY( 84, 28)   DRY( 84, 94)   DRY(
84,105)
    DRY( 85, 92)   DRY( 85,105)   DRY( 86, 13)   DRY( 87, 10)   DRY( 87,
30)
    DRY( 87, 97)   DRY( 87, 98)   DRY( 87, 99)   DRY( 87,101)   DRY(
87,102)
    DRY( 87,103)   DRY( 87,104)   DRY( 88, 98)   DRY( 88, 99)   DRY(
88,102)
    DRY( 88,103)   DRY( 88,104)   DRY( 92, 22)   DRY( 92, 23)   DRY( 92,
33)
    DRY( 92, 40)   DRY( 93, 24)   DRY( 93, 32)   DRY( 94, 33)   DRY( 94,
34)
    DRY( 94, 35)   DRY( 94, 36)   DRY( 95, 22)   DRY( 95, 23)   DRY( 95,
32)
    DRY( 95, 33)   DRY( 96,  5)   DRY( 96, 18)   DRY( 96, 25)   DRY( 96,
26)
    DRY( 96, 37)   DRY( 96, 38)   DRY( 96, 39)   DRY( 96, 40)   DRY( 96,
44)
    DRY( 96, 47)   DRY( 97,  4)   DRY( 97, 43)   DRY( 98, 43)   DRY( 99,
7)
    DRY( 99, 19)   DRY( 99, 43)   DRY(100,  3)   DRY(100, 31)   DRY(100,
43)
    DRY(101,  3)   DRY(101, 26)   DRY(101, 43)   DRY(101, 46)   DRY(101,
47)
```

```
    DRY(102,  9)   DRY(102, 29)   DRY(102, 43)   DRY(102, 48)   DRY(103,
9)
    DRY(103, 17)   DRY(103, 29)   DRY(103, 43)   DRY(103, 48)   DRY(104,
10)
    DRY(104, 27)   DRY(104, 43)   DRY(104, 48)   DRY(105,  3)   DRY(105,
27)
    DRY(106, 28)   DRY(106, 43)   DRY(108,  1)   DRY(110,  1)   DRY(111,
1)
    DRY(112,  5)   DRY(112, 12)   DRY(113,  5)   DRY(117,  5)   DRY(117,
9)
    DRY(118,  6)   DRY(118,  7)   DRY(119,  8)   DRY(120,  2)   DRY(121,
2)
    DRY(122,  9)   DRY(122, 10)   DRY(124,  3)   DRY(125, 11)   DRY(127,
3)
    DRY(128,  4)   DRY(128,104)   DRY(129,  4)   DRY(129,104)   DRY(130,
1)
    DRY(130,  5)   DRY(130,  9)   DRY(130,103)   DRY(131,  1)   DRY(131,
5)
    DRY(140, 79)   DRY(142, 74)   DRY(143, 74)   DRY(144, 79)   DRY(145,
74)
    DRY(146, 74)   DRY(146, 79)   DRY(147, 69)   DRY(147, 74)   DRY(148,
82)
    DRY(148, 83)   DRY(148,105)   DRY(149, 81)   DRY(150, 74)   DRY(155,
94)
    DRY(161, 69)   DRY(161, 79)   DRY(162, 77)   DRY(162, 99)   DRY(163,
87)
    DRY(164, 87)   DRY(164, 97)   DRY(165, 87)   DRY(166, 87)   DRY(167,
87)
    DRY(167, 91)
0


                                                          SOLUTION BY
CGSTAB-P
                                                          ----------------
----------------------------
 Outer iteration    6 Inner iteration   1 Max. residual  5.244E+04
 Outer iteration    6 Inner iteration   2 Max. residual  1.784E+04
 Outer iteration    6 Inner iteration   3 Max. residual  4.608E+03
 Outer iteration    6 Inner iteration   4 Max. residual  3.478E+03
 Outer iteration    6 Inner iteration   5 Max. residual  2.545E+03
 Outer iteration    6 Inner iteration   6 Max. residual  3.509E+04
 Outer iteration    6 Inner iteration   7 Max. residual  1.041E+04
 Outer iteration    6 Inner iteration   8 Max. residual  4.141E+02
 Outer iteration    6 Inner iteration   9 Max. residual  4.123E+02
 Outer iteration    6 Inner iteration  10 Max. residual  3.735E+02
 Outer iteration    6 Inner iteration  11 Max. residual  3.052E+02
 Outer iteration    6 Inner iteration  12 Max. residual  2.093E+02
 Outer iteration    6 Inner iteration  13 Max. residual  6.836E+01
 Outer iteration    6 Inner iteration  14 Max. residual  1.404E+02
 Outer iteration    6 Inner iteration  15 Max. residual  1.402E+02
 Outer iteration    6 Inner iteration  16 Max. residual  1.355E+02
 Outer iteration    6 Inner iteration  17 Max. residual  2.130E+02
 Outer iteration    6 Inner iteration  18 Max. residual  4.093E+01
 Outer iteration    6 Inner iteration  19 Max. residual  1.148E+01
 Outer iteration    6 Inner iteration  20 Max. residual  1.846E+01
 Outer iteration    6 Inner iteration  21 Max. residual  7.123E+00
 Outer iteration    6 Inner iteration  22 Max. residual  1.462E+01
 Outer iteration    6 Inner iteration  23 Max. residual  5.973E+00
 Outer iteration    6 Inner iteration  24 Max. residual  7.883E+00
```

```
Outer iteration    6 Inner iteration  25 Max. residual  5.163E+00
Outer iteration    6 Inner iteration  26 Max. residual  5.272E+00
Outer iteration    6 Inner iteration  27 Max. residual  5.259E+00
Outer iteration    6 Inner iteration  28 Max. residual  5.256E+00
Outer iteration    6 Inner iteration  29 Max. residual  5.488E+00
Outer iteration    6 Inner iteration  30 Max. residual  3.780E+00
Outer iteration    6 Inner iteration  31 Max. residual  4.947E+00
Outer iteration    6 Inner iteration  32 Max. residual  7.425E+00
Outer iteration    6 Inner iteration  33 Max. residual  6.762E+00
Outer iteration    6 Inner iteration  34 Max. residual  7.155E+00
Outer iteration    6 Inner iteration  35 Max. residual  9.968E+00
Outer iteration    6 Inner iteration  36 Max. residual  1.791E+01
Outer iteration    6 Inner iteration  37 Max. residual  9.538E+01
Outer iteration    6 Inner iteration  38 Max. residual  1.017E+01
Outer iteration    6 Inner iteration  39 Max. residual  4.340E+00
Outer iteration    6 Inner iteration  40 Max. residual  3.658E+00
Outer iteration    6 Inner iteration  41 Max. residual  3.274E+00
Outer iteration    6 Inner iteration  42 Max. residual  1.132E+00
Outer iteration    6 Inner iteration  43 Max. residual  1.117E+00
Outer iteration    6 Inner iteration  44 Max. residual  2.136E+00
Outer iteration    6 Inner iteration  45 Max. residual  2.602E+00
Outer iteration    6 Inner iteration  46 Max. residual  3.514E-01
Outer iteration    6 Inner iteration  47 Max. residual  3.300E-01
Outer iteration    6 Inner iteration  48 Max. residual  2.906E-01
Outer iteration    6 Inner iteration  49 Max. residual  2.945E-01
Outer iteration    6 Inner iteration  50 Max. residual  3.117E-01
Outer iteration    6 Inner iteration  51 Max. residual  3.125E-01
Outer iteration    6 Inner iteration  52 Max. residual  3.198E-01
Outer iteration    6 Inner iteration  53 Max. residual  3.411E-01
Outer iteration    6 Inner iteration  54 Max. residual  4.882E-01
Outer iteration    6 Inner iteration  55 Max. residual  3.234E+01
Outer iteration    6 Inner iteration  56 Max. residual  1.771E-01
Outer iteration    6 Inner iteration  57 Max. residual  5.250E-02
Outer iteration    6 Inner iteration  58 Max. residual  3.176E-02
Outer iteration    6 Inner iteration  59 Max. residual  3.202E-02
Outer iteration    6 Inner iteration  60 Max. residual  3.178E-02
Outer iteration    6 Inner iteration  61 Max. residual  3.158E-02
Outer iteration    6 Inner iteration  62 Max. residual  3.155E-02
Outer iteration    6 Inner iteration  63 Max. residual  3.153E-02
Outer iteration    6 Inner iteration  64 Max. residual  3.143E-02
Outer iteration    6 Inner iteration  65 Max. residual  3.138E-02
Outer iteration    6 Inner iteration  66 Max. residual  3.004E-02
Outer iteration    6 Inner iteration  67 Max. residual  3.003E-02
Outer iteration    6 Inner iteration  68 Max. residual  2.875E-02
Outer iteration    6 Inner iteration  69 Max. residual  2.877E-02
Outer iteration    6 Inner iteration  70 Max. residual  2.879E-02
Outer iteration    6 Inner iteration  71 Max. residual  2.851E-02
Outer iteration    6 Inner iteration  72 Max. residual  2.845E-02
Outer iteration    6 Inner iteration  73 Max. residual  2.833E-02
Outer iteration    6 Inner iteration  74 Max. residual  2.769E-02
Outer iteration    6 Inner iteration  75 Max. residual  1.933E-02
Outer iteration    6 Inner iteration  76 Max. residual  1.522E-01
Outer iteration    6 Inner iteration  77 Max. residual  8.627E-02
Outer iteration    6 Inner iteration  78 Max. residual  2.822E-02
Outer iteration    6 Inner iteration  79 Max. residual  2.550E-02
Outer iteration    6 Inner iteration  80 Max. residual  2.479E-02
Outer iteration    6 Inner iteration  81 Max. residual  2.447E-02
Outer iteration    6 Inner iteration  82 Max. residual  2.351E-02
Outer iteration    6 Inner iteration  83 Max. residual  2.143E-02
Outer iteration    6 Inner iteration  84 Max. residual  1.863E-02
```

```
 Outer iteration    6 Inner iteration  85 Max. residual  1.590E-02
 Outer iteration    6 Inner iteration  86 Max. residual  1.633E-02
 Outer iteration    6 Inner iteration  87 Max. residual  9.396E-03
 Outer iteration    6 Inner iteration  88 Max. residual  9.161E-03
 Outer iteration    6 Inner iteration  89 Max. residual  8.827E-03
 Outer iteration    6 Inner iteration  90 Max. residual  8.422E-03
 Outer iteration    6 Inner iteration  91 Max. residual  7.983E-03
 Outer iteration    6 Inner iteration  92 Max. residual  7.468E-03
 Outer iteration    6 Inner iteration  93 Max. residual  7.078E-03
 Outer iteration    6 Inner iteration  94 Max. residual  6.840E-03
 Outer iteration    6 Inner iteration  95 Max. residual  6.631E-03
 Outer iteration    6 Inner iteration  96 Max. residual  6.203E-03
 Outer iteration    6 Inner iteration  97 Max. residual  5.337E-03
 Outer iteration    6 Inner iteration  98 Max. residual  3.675E-03
 Outer iteration    6 Inner iteration  99 Max. residual  2.143E-03
 Outer iteration    6 Inner iteration 100 Max. residual  1.407E-03
 Outer iteration    6 Inner iteration 101 Max. residual  9.918E-04
 Outer iteration    6 Inner iteration 102 Max. residual  9.906E-04
 Outer iteration    6 Inner iteration 103 Max. residual  9.373E-04
 Outer iteration    6 Inner iteration 104 Max. residual  9.236E-04
 Outer iteration    6 Inner iteration 105 Max. residual  1.156E-03
 Outer iteration    6 Inner iteration 106 Max. residual  1.030E-03
 Outer iteration    6 Inner iteration 107 Max. residual  1.006E-03
 Outer iteration    6 Inner iteration 108 Max. residual  9.650E-04
 Outer iteration    6 Inner iteration 109 Max. residual  9.265E-04
 Outer iteration    6 Inner iteration 110 Max. residual  8.100E-04
 Outer iteration    6 Inner iteration 111 Max. residual  4.524E-04
 Outer iteration    6 Inner iteration 112 Max. residual  3.019E-04
 Outer iteration    6 Inner iteration 113 Max. residual  2.762E-04
 Outer iteration    6 Inner iteration 114 Max. residual  3.607E-04
 Outer iteration    6 Inner iteration 115 Max. residual  3.596E-04
 Outer iteration    6 Inner iteration 116 Max. residual  6.660E-04
 Outer iteration    6 Inner iteration 117 Max. residual  1.022E-04
 Outer iteration    6 Inner iteration 118 Max. residual  9.440E-05

 CELL CONVERSIONS FOR ITER.=  7  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 16, 98)   DRY( 16,100)   DRY( 17, 93)   DRY( 17, 94)   DRY(
21,101)
    DRY( 22,101)   DRY( 26,101)   DRY( 26,104)   DRY( 27, 92)   DRY(
31,104)
    DRY( 32, 98)   DRY( 33, 99)   DRY( 35, 92)   DRY( 36, 91)   DRY( 41,
95)
    DRY( 46,103)   DRY( 50,102)   DRY( 55, 88)   DRY( 58, 87)   DRY( 58,
98)
    DRY( 58,104)   DRY( 59, 77)   DRY( 59,101)   DRY( 60,105)   DRY(
62,105)
    DRY( 63,105)   DRY( 64,105)   DRY( 65,105)   DRY( 66,105)   DRY(
67,105)
    DRY( 71, 14)   DRY( 72, 14)   DRY( 74,105)   DRY( 77,105)   DRY( 78,
16)
    DRY( 79,105)   DRY( 83, 93)   DRY( 83, 95)   DRY( 84, 29)   DRY( 84,
30)
    DRY( 84, 95)   DRY( 85, 13)   DRY( 86, 28)   DRY( 93, 22)   DRY( 93,
23)
    DRY( 93, 33)   DRY( 95, 34)   DRY( 95, 35)   DRY( 96, 21)   DRY( 96,
23)
    DRY( 96, 24)   DRY( 96, 36)   DRY( 97,  5)   DRY( 97, 20)   DRY( 98,
7)
```

```
    DRY( 98, 17)   DRY( 98, 20)   DRY( 99, 17)   DRY( 99, 20)   DRY( 99,
26)
    DRY(100, 19)   DRY(100, 26)   DRY(101, 31)   DRY(101, 41)   DRY(101,
44)
    DRY(101, 45)   DRY(102, 17)   DRY(102, 30)   DRY(103, 26)   DRY(103,
30)
    DRY(104,  3)   DRY(104, 29)   DRY(105, 10)   DRY(105, 43)   DRY(105,
48)
    DRY(106, 18)   DRY(106, 27)   DRY(106, 44)   DRY(106, 45)   DRY(106,
46)
    DRY(106, 47)   DRY(106, 48)   DRY(107, 43)   DRY(108, 43)   DRY(113,
12)
    DRY(114,  5)   DRY(114, 13)   DRY(115, 15)   DRY(117,  8)   DRY(119,
7)
    DRY(119, 10)   DRY(122,  2)   DRY(125,  8)   DRY(125, 12)   DRY(126,
2)
    DRY(127,102)   DRY(128,  3)   DRY(128,  7)   DRY(128,  8)
DRY(128,102)
    DRY(129,  3)   DRY(129, 10)   DRY(130,  4)   DRY(130,  8)   DRY(131,
4)
    DRY(132,  5)   DRY(133,  5)   DRY(134,  5)   DRY(146, 69)   DRY(147,
66)
    DRY(147, 67)   DRY(147, 68)   DRY(148, 74)   DRY(150, 69)   DRY(150,
70)
    DRY(150, 71)   DRY(150, 72)   DRY(150, 73)   DRY(162, 76)   DRY(162,
84)
    DRY(162, 85)   DRY(162, 86)   DRY(171, 99)
0


                                                                SOLUTION BY
CGSTAB-P
                                                                ----------
---------------------------
 Outer iteration    7 Inner iteration   1 Max. residual  2.305E+04
 Outer iteration    7 Inner iteration   2 Max. residual  7.375E+03
 Outer iteration    7 Inner iteration   3 Max. residual  2.763E+03
 Outer iteration    7 Inner iteration   4 Max. residual  2.002E+03
 Outer iteration    7 Inner iteration   5 Max. residual  2.529E+03
 Outer iteration    7 Inner iteration   6 Max. residual  2.541E+03
 Outer iteration    7 Inner iteration   7 Max. residual  4.404E+02
 Outer iteration    7 Inner iteration   8 Max. residual  2.551E+02
 Outer iteration    7 Inner iteration   9 Max. residual  2.392E+02
 Outer iteration    7 Inner iteration  10 Max. residual  2.151E+02
 Outer iteration    7 Inner iteration  11 Max. residual  1.902E+02
 Outer iteration    7 Inner iteration  12 Max. residual  1.504E+02
 Outer iteration    7 Inner iteration  13 Max. residual  6.283E+02
 Outer iteration    7 Inner iteration  14 Max. residual  2.669E+02
 Outer iteration    7 Inner iteration  15 Max. residual  2.631E+02
 Outer iteration    7 Inner iteration  16 Max. residual  2.092E+02
 Outer iteration    7 Inner iteration  17 Max. residual  1.114E+02
 Outer iteration    7 Inner iteration  18 Max. residual  9.107E+01
 Outer iteration    7 Inner iteration  19 Max. residual  7.877E+01
 Outer iteration    7 Inner iteration  20 Max. residual  6.914E+01
 Outer iteration    7 Inner iteration  21 Max. residual  6.701E+01
 Outer iteration    7 Inner iteration  22 Max. residual  6.081E+01
 Outer iteration    7 Inner iteration  23 Max. residual  2.321E+01
 Outer iteration    7 Inner iteration  24 Max. residual  8.867E+00
 Outer iteration    7 Inner iteration  25 Max. residual  8.346E+00
 Outer iteration    7 Inner iteration  26 Max. residual  8.421E+00
```

```
Outer iteration    7 Inner iteration  27 Max. residual  3.796E+01
Outer iteration    7 Inner iteration  28 Max. residual  8.702E+00
Outer iteration    7 Inner iteration  29 Max. residual  7.057E+00
Outer iteration    7 Inner iteration  30 Max. residual  8.852E+01
Outer iteration    7 Inner iteration  31 Max. residual  3.002E+00
Outer iteration    7 Inner iteration  32 Max. residual  2.961E+00
Outer iteration    7 Inner iteration  33 Max. residual  2.923E+00
Outer iteration    7 Inner iteration  34 Max. residual  2.862E+00
Outer iteration    7 Inner iteration  35 Max. residual  2.809E+00
Outer iteration    7 Inner iteration  36 Max. residual  2.756E+00
Outer iteration    7 Inner iteration  37 Max. residual  2.698E+00
Outer iteration    7 Inner iteration  38 Max. residual  2.569E+00
Outer iteration    7 Inner iteration  39 Max. residual  2.511E+00
Outer iteration    7 Inner iteration  40 Max. residual  1.804E+00
Outer iteration    7 Inner iteration  41 Max. residual  1.804E+00
Outer iteration    7 Inner iteration  42 Max. residual  1.806E+00
Outer iteration    7 Inner iteration  43 Max. residual  1.812E+00
Outer iteration    7 Inner iteration  44 Max. residual  1.822E+00
Outer iteration    7 Inner iteration  45 Max. residual  1.892E+00
Outer iteration    7 Inner iteration  46 Max. residual  2.102E+00
Outer iteration    7 Inner iteration  47 Max. residual  2.830E+00
Outer iteration    7 Inner iteration  48 Max. residual  1.510E+00
Outer iteration    7 Inner iteration  49 Max. residual  1.435E+00
Outer iteration    7 Inner iteration  50 Max. residual  1.373E+00
Outer iteration    7 Inner iteration  51 Max. residual  1.388E+00
Outer iteration    7 Inner iteration  52 Max. residual  1.385E+00
Outer iteration    7 Inner iteration  53 Max. residual  1.404E+00
Outer iteration    7 Inner iteration  54 Max. residual  1.666E+00
Outer iteration    7 Inner iteration  55 Max. residual  2.254E+00
Outer iteration    7 Inner iteration  56 Max. residual  3.298E+00
Outer iteration    7 Inner iteration  57 Max. residual  2.954E-01
Outer iteration    7 Inner iteration  58 Max. residual  1.584E-01
Outer iteration    7 Inner iteration  59 Max. residual  7.359E-02
Outer iteration    7 Inner iteration  60 Max. residual  5.564E-02
Outer iteration    7 Inner iteration  61 Max. residual  6.734E-02
Outer iteration    7 Inner iteration  62 Max. residual  6.844E-02
Outer iteration    7 Inner iteration  63 Max. residual  6.845E-02
Outer iteration    7 Inner iteration  64 Max. residual  6.793E-02
Outer iteration    7 Inner iteration  65 Max. residual  6.950E-02
Outer iteration    7 Inner iteration  66 Max. residual  6.231E-02
Outer iteration    7 Inner iteration  67 Max. residual  6.197E-02
Outer iteration    7 Inner iteration  68 Max. residual  5.818E-02
Outer iteration    7 Inner iteration  69 Max. residual  6.399E-02
Outer iteration    7 Inner iteration  70 Max. residual  6.568E-02
Outer iteration    7 Inner iteration  71 Max. residual  7.860E-02
Outer iteration    7 Inner iteration  72 Max. residual  1.573E-02
Outer iteration    7 Inner iteration  73 Max. residual  3.291E-01
Outer iteration    7 Inner iteration  74 Max. residual  5.699E-02
Outer iteration    7 Inner iteration  75 Max. residual  9.372E-03
Outer iteration    7 Inner iteration  76 Max. residual  7.366E-03
Outer iteration    7 Inner iteration  77 Max. residual  7.277E-03
Outer iteration    7 Inner iteration  78 Max. residual  7.241E-03
Outer iteration    7 Inner iteration  79 Max. residual  7.249E-03
Outer iteration    7 Inner iteration  80 Max. residual  7.216E-03
Outer iteration    7 Inner iteration  81 Max. residual  7.198E-03
Outer iteration    7 Inner iteration  82 Max. residual  7.160E-03
Outer iteration    7 Inner iteration  83 Max. residual  7.125E-03
Outer iteration    7 Inner iteration  84 Max. residual  7.078E-03
Outer iteration    7 Inner iteration  85 Max. residual  7.040E-03
Outer iteration    7 Inner iteration  86 Max. residual  6.931E-03
```

```
 Outer iteration    7 Inner iteration  87 Max. residual  6.906E-03
 Outer iteration    7 Inner iteration  88 Max. residual  6.824E-03
 Outer iteration    7 Inner iteration  89 Max. residual  6.819E-03
 Outer iteration    7 Inner iteration  90 Max. residual  6.717E-03
 Outer iteration    7 Inner iteration  91 Max. residual  6.315E-03
 Outer iteration    7 Inner iteration  92 Max. residual  6.161E-03
 Outer iteration    7 Inner iteration  93 Max. residual  6.362E-03
 Outer iteration    7 Inner iteration  94 Max. residual  5.668E-03
 Outer iteration    7 Inner iteration  95 Max. residual  4.810E-03
 Outer iteration    7 Inner iteration  96 Max. residual  4.839E-03
 Outer iteration    7 Inner iteration  97 Max. residual  4.068E-03
 Outer iteration    7 Inner iteration  98 Max. residual  3.893E-03
 Outer iteration    7 Inner iteration  99 Max. residual  7.317E-03
 Outer iteration    7 Inner iteration 100 Max. residual  3.689E-03
 Outer iteration    7 Inner iteration 101 Max. residual  1.513E-03
 Outer iteration    7 Inner iteration 102 Max. residual  1.520E-03
 Outer iteration    7 Inner iteration 103 Max. residual  1.033E-03
 Outer iteration    7 Inner iteration 104 Max. residual  9.862E-04
 Outer iteration    7 Inner iteration 105 Max. residual  5.431E-04
 Outer iteration    7 Inner iteration 106 Max. residual  5.403E-04
 Outer iteration    7 Inner iteration 107 Max. residual  5.484E-04
 Outer iteration    7 Inner iteration 108 Max. residual  5.417E-04
 Outer iteration    7 Inner iteration 109 Max. residual  5.485E-04
 Outer iteration    7 Inner iteration 110 Max. residual  5.041E-04
 Outer iteration    7 Inner iteration 111 Max. residual  5.065E-04
 Outer iteration    7 Inner iteration 112 Max. residual  4.503E-04
 Outer iteration    7 Inner iteration 113 Max. residual  3.811E-04
 Outer iteration    7 Inner iteration 114 Max. residual  2.467E-04
 Outer iteration    7 Inner iteration 115 Max. residual  1.989E-04
 Outer iteration    7 Inner iteration 116 Max. residual  1.692E-04
 Outer iteration    7 Inner iteration 117 Max. residual  1.343E-04
 Outer iteration    7 Inner iteration 118 Max. residual  1.343E-04
 Outer iteration    7 Inner iteration 119 Max. residual  1.338E-04
 Outer iteration    7 Inner iteration 120 Max. residual  1.129E-04
 Outer iteration    7 Inner iteration 121 Max. residual  1.059E-04
 Outer iteration    7 Inner iteration 122 Max. residual  8.001E-05

 CELL CONVERSIONS FOR ITER.=  8  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 14, 96)   DRY( 15,100)   DRY( 15,101)   DRY( 16, 94)   DRY(
19,104)
    DRY( 23,104)   DRY( 27,101)   DRY( 27,104)   DRY( 30, 89)   DRY(
30,100)
    DRY( 33, 97)   DRY( 36, 98)   DRY( 38, 89)   DRY( 40, 95)   DRY( 41,
86)
    DRY( 51, 95)   DRY( 57, 87)   DRY( 71, 15)   DRY( 72, 15)   DRY( 74,
12)
    DRY( 79, 15)   DRY( 80, 63)   DRY( 81, 14)   DRY( 82, 14)   DRY( 83,
96)
    DRY( 85, 28)   DRY( 85, 97)   DRY( 85,100)   DRY( 86, 12)   DRY(
86,100)
    DRY( 96, 22)   DRY( 96, 35)   DRY( 98, 26)   DRY( 99, 37)   DRY( 99,
41)
    DRY(100,  8)   DRY(100, 20)   DRY(101, 18)   DRY(101, 19)   DRY(101,
20)
    DRY(101, 25)   DRY(101, 39)   DRY(101, 40)   DRY(102,  8)   DRY(102,
26)
    DRY(103,  3)   DRY(104, 26)   DRY(104, 30)   DRY(105, 26)   DRY(105,
29)
```

```
    DRY(106,  4)   DRY(106, 26)   DRY(106, 29)   DRY(107, 28)   DRY(109,
7)
    DRY(109, 27)   DRY(109, 28)   DRY(109, 43)   DRY(110,  7)   DRY(110,
28)
    DRY(110, 43)   DRY(111,  7)   DRY(111, 28)   DRY(111, 43)   DRY(113,
1)
    DRY(114, 17)   DRY(115,  5)   DRY(115, 14)   DRY(115, 16)   DRY(116,
5)
    DRY(118, 10)   DRY(119,  6)   DRY(119, 11)   DRY(120,  9)   DRY(122,
8)
    DRY(124, 16)   DRY(125,  2)   DRY(125, 13)   DRY(127,  2)   DRY(128,
2)
    DRY(128,  9)   DRY(129,  2)   DRY(129,  6)   DRY(130,  2)   DRY(130,
3)
    DRY(131,  2)   DRY(131,  3)   DRY(132,  4)   DRY(133,  4)   DRY(134,
4)
    DRY(135,  5)   DRY(136,  5)   DRY(137,  5)   DRY(137, 26)   DRY(141,
74)
    DRY(141, 76)   DRY(144, 69)   DRY(144, 70)   DRY(144, 71)   DRY(144,
72)
    DRY(144, 73)   DRY(145, 69)   DRY(147, 64)   DRY(147, 65)   DRY(149,
64)
    DRY(150, 64)   DRY(150, 65)   DRY(150, 66)   DRY(150, 67)   DRY(150,
68)
    DRY(162, 74)   DRY(162, 75)   DRY(163, 81)   DRY(167, 86)
DRY(169,102)
0


                                                                SOLUTION BY
CGSTAB-P
                                                                ----------
---------------------------
 Outer iteration    8 Inner iteration   1 Max. residual  1.583E+04
 Outer iteration    8 Inner iteration   2 Max. residual  4.702E+03
 Outer iteration    8 Inner iteration   3 Max. residual  1.452E+03
 Outer iteration    8 Inner iteration   4 Max. residual  8.395E+02
 Outer iteration    8 Inner iteration   5 Max. residual  4.451E+02
 Outer iteration    8 Inner iteration   6 Max. residual  8.453E+03
 Outer iteration    8 Inner iteration   7 Max. residual  4.574E+02
 Outer iteration    8 Inner iteration   8 Max. residual  1.318E+02
 Outer iteration    8 Inner iteration   9 Max. residual  2.294E+02
 Outer iteration    8 Inner iteration  10 Max. residual  5.618E+01
 Outer iteration    8 Inner iteration  11 Max. residual  7.709E+01
 Outer iteration    8 Inner iteration  12 Max. residual  1.665E+01
 Outer iteration    8 Inner iteration  13 Max. residual  5.004E+01
 Outer iteration    8 Inner iteration  14 Max. residual  1.701E+01
 Outer iteration    8 Inner iteration  15 Max. residual  7.491E+00
 Outer iteration    8 Inner iteration  16 Max. residual  6.068E+00
 Outer iteration    8 Inner iteration  17 Max. residual  5.437E+00
 Outer iteration    8 Inner iteration  18 Max. residual  5.814E+00
 Outer iteration    8 Inner iteration  19 Max. residual  4.963E+00
 Outer iteration    8 Inner iteration  20 Max. residual  3.830E+00
 Outer iteration    8 Inner iteration  21 Max. residual  3.798E+00
 Outer iteration    8 Inner iteration  22 Max. residual  1.331E+01
 Outer iteration    8 Inner iteration  23 Max. residual  1.430E+01
 Outer iteration    8 Inner iteration  24 Max. residual  1.924E+01
 Outer iteration    8 Inner iteration  25 Max. residual  1.919E+01
 Outer iteration    8 Inner iteration  26 Max. residual  3.492E+01
 Outer iteration    8 Inner iteration  27 Max. residual  3.091E+01
```

```
Outer iteration    8 Inner iteration  28 Max. residual  3.817E+00
Outer iteration    8 Inner iteration  29 Max. residual  5.217E+00
Outer iteration    8 Inner iteration  30 Max. residual  5.468E+00
Outer iteration    8 Inner iteration  31 Max. residual  4.161E+01
Outer iteration    8 Inner iteration  32 Max. residual  5.616E+00
Outer iteration    8 Inner iteration  33 Max. residual  2.906E+00
Outer iteration    8 Inner iteration  34 Max. residual  2.653E+00
Outer iteration    8 Inner iteration  35 Max. residual  2.730E+00
Outer iteration    8 Inner iteration  36 Max. residual  9.406E-01
Outer iteration    8 Inner iteration  37 Max. residual  9.305E-01
Outer iteration    8 Inner iteration  38 Max. residual  9.467E-01
Outer iteration    8 Inner iteration  39 Max. residual  1.390E+00
Outer iteration    8 Inner iteration  40 Max. residual  6.058E+00
Outer iteration    8 Inner iteration  41 Max. residual  5.594E-01
Outer iteration    8 Inner iteration  42 Max. residual  3.108E-01
Outer iteration    8 Inner iteration  43 Max. residual  3.131E-01
Outer iteration    8 Inner iteration  44 Max. residual  6.204E-01
Outer iteration    8 Inner iteration  45 Max. residual  3.160E-01
Outer iteration    8 Inner iteration  46 Max. residual  3.172E-01
Outer iteration    8 Inner iteration  47 Max. residual  4.278E-01
Outer iteration    8 Inner iteration  48 Max. residual  5.927E-01
Outer iteration    8 Inner iteration  49 Max. residual  5.695E-01
Outer iteration    8 Inner iteration  50 Max. residual  7.112E-01
Outer iteration    8 Inner iteration  51 Max. residual  7.943E-01
Outer iteration    8 Inner iteration  52 Max. residual  1.071E+00
Outer iteration    8 Inner iteration  53 Max. residual  1.702E+00
Outer iteration    8 Inner iteration  54 Max. residual  4.837E+00
Outer iteration    8 Inner iteration  55 Max. residual  3.202E+00
Outer iteration    8 Inner iteration  56 Max. residual  1.512E+00
Outer iteration    8 Inner iteration  57 Max. residual  4.251E-01
Outer iteration    8 Inner iteration  58 Max. residual  4.154E-01
Outer iteration    8 Inner iteration  59 Max. residual  3.383E-01
Outer iteration    8 Inner iteration  60 Max. residual  2.732E-01
Outer iteration    8 Inner iteration  61 Max. residual  2.554E-01
Outer iteration    8 Inner iteration  62 Max. residual  2.552E-01
Outer iteration    8 Inner iteration  63 Max. residual  2.560E-01
Outer iteration    8 Inner iteration  64 Max. residual  2.552E-01
Outer iteration    8 Inner iteration  65 Max. residual  2.531E-01
Outer iteration    8 Inner iteration  66 Max. residual  2.354E-01
Outer iteration    8 Inner iteration  67 Max. residual  2.355E-01
Outer iteration    8 Inner iteration  68 Max. residual  2.361E-01
Outer iteration    8 Inner iteration  69 Max. residual  2.387E-01
Outer iteration    8 Inner iteration  70 Max. residual  2.405E-01
Outer iteration    8 Inner iteration  71 Max. residual  2.464E-01
Outer iteration    8 Inner iteration  72 Max. residual  2.553E-01
Outer iteration    8 Inner iteration  73 Max. residual  2.801E-01
Outer iteration    8 Inner iteration  74 Max. residual  3.963E-01
Outer iteration    8 Inner iteration  75 Max. residual  1.129E+02
Outer iteration    8 Inner iteration  76 Max. residual  2.892E-01
Outer iteration    8 Inner iteration  77 Max. residual  9.980E-02
Outer iteration    8 Inner iteration  78 Max. residual  4.368E-02
Outer iteration    8 Inner iteration  79 Max. residual  4.809E-02
Outer iteration    8 Inner iteration  80 Max. residual  3.217E-02
Outer iteration    8 Inner iteration  81 Max. residual  1.879E-02
Outer iteration    8 Inner iteration  82 Max. residual  2.255E-02
Outer iteration    8 Inner iteration  83 Max. residual  1.365E-02
Outer iteration    8 Inner iteration  84 Max. residual  1.248E-02
Outer iteration    8 Inner iteration  85 Max. residual  1.362E-02
Outer iteration    8 Inner iteration  86 Max. residual  1.229E-02
Outer iteration    8 Inner iteration  87 Max. residual  1.200E-02
```

```
 Outer iteration    8 Inner iteration  88 Max. residual  1.150E-02
 Outer iteration    8 Inner iteration  89 Max. residual  4.279E-03
 Outer iteration    8 Inner iteration  90 Max. residual  2.292E-03
 Outer iteration    8 Inner iteration  91 Max. residual  1.952E-03
 Outer iteration    8 Inner iteration  92 Max. residual  1.775E-03
 Outer iteration    8 Inner iteration  93 Max. residual  2.140E-03
 Outer iteration    8 Inner iteration  94 Max. residual  1.603E-03
 Outer iteration    8 Inner iteration  95 Max. residual  1.515E-03
 Outer iteration    8 Inner iteration  96 Max. residual  4.702E-04
 Outer iteration    8 Inner iteration  97 Max. residual  4.341E-04
 Outer iteration    8 Inner iteration  98 Max. residual  2.581E-03
 Outer iteration    8 Inner iteration  99 Max. residual  1.148E-03
 Outer iteration    8 Inner iteration 100 Max. residual  9.588E-04
 Outer iteration    8 Inner iteration 101 Max. residual  8.998E-04
 Outer iteration    8 Inner iteration 102 Max. residual  9.236E-04
 Outer iteration    8 Inner iteration 103 Max. residual  9.302E-04
 Outer iteration    8 Inner iteration 104 Max. residual  3.948E-04
 Outer iteration    8 Inner iteration 105 Max. residual  6.484E-04
 Outer iteration    8 Inner iteration 106 Max. residual  5.911E-04
 Outer iteration    8 Inner iteration 107 Max. residual  4.655E-04
 Outer iteration    8 Inner iteration 108 Max. residual  4.150E-04
 Outer iteration    8 Inner iteration 109 Max. residual  2.716E-04
 Outer iteration    8 Inner iteration 110 Max. residual  2.752E-04
 Outer iteration    8 Inner iteration 111 Max. residual  2.929E-04
 Outer iteration    8 Inner iteration 112 Max. residual  2.916E-04
 Outer iteration    8 Inner iteration 113 Max. residual  2.996E-04
 Outer iteration    8 Inner iteration 114 Max. residual  4.788E-04
 Outer iteration    8 Inner iteration 115 Max. residual  2.538E-04
 Outer iteration    8 Inner iteration 116 Max. residual  1.848E-04
 Outer iteration    8 Inner iteration 117 Max. residual  1.374E-04
 Outer iteration    8 Inner iteration 118 Max. residual  1.417E-04
 Outer iteration    8 Inner iteration 119 Max. residual  1.288E-04
 Outer iteration    8 Inner iteration 120 Max. residual  1.013E-04
 Outer iteration    8 Inner iteration 121 Max. residual  1.047E-04
 Outer iteration    8 Inner iteration 122 Max. residual  1.031E-04
 Outer iteration    8 Inner iteration 123 Max. residual  7.922E-05

 CELL CONVERSIONS FOR ITER.=  9  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 16,103)   DRY( 20,104)   DRY( 21,104)   DRY( 22,104)   DRY(
28,104)
    DRY( 30,104)   DRY( 33, 98)   DRY( 35,100)   DRY( 38, 96)   DRY( 40,
87)
    DRY( 44, 93)   DRY( 48, 81)   DRY( 48, 82)   DRY( 49, 91)   DRY( 51,
90)
    DRY( 56, 87)   DRY( 58, 86)   DRY( 59, 78)   DRY( 76,101)   DRY(
76,102)
    DRY( 96, 33)   DRY( 99, 25)   DRY(100, 25)   DRY(100, 37)   DRY(101,
37)
    DRY(101, 38)   DRY(102,  3)   DRY(103, 31)   DRY(104, 18)   DRY(105,
30)
    DRY(106, 30)   DRY(106, 41)   DRY(108, 28)   DRY(110, 27)   DRY(111,
27)
    DRY(111, 41)   DRY(111, 42)   DRY(116, 35)   DRY(116, 36)   DRY(119,
14)
    DRY(119, 15)   DRY(122, 11)   DRY(130, 10)   DRY(131,  9)   DRY(132,
2)
    DRY(132,  3)   DRY(133,  3)   DRY(135,  4)   DRY(136,  4)   DRY(137,
25)
```

```
    DRY(138,  5)   DRY(138, 25)   DRY(138, 26)   DRY(139, 26)   DRY(146,
64)
    DRY(146, 65)   DRY(146, 66)   DRY(146, 67)   DRY(146, 68)   DRY(147,
15)
    DRY(148, 64)   DRY(162, 73)   DRY(163, 78)   DRY(163, 82)   DRY(163,
84)
    DRY(163, 85)   DRY(163, 86)   DRY(164, 86)   DRY(165, 86)   DRY(166,
86)
    DRY(174, 90)   DRY(176, 91)
0


                                                                SOLUTION BY
CGSTAB-P
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----------------------------
 Outer iteration    9 Inner iteration   1 Max. residual  1.097E+04
 Outer iteration    9 Inner iteration   2 Max. residual  3.717E+03
 Outer iteration    9 Inner iteration   3 Max. residual  5.295E+02
 Outer iteration    9 Inner iteration   4 Max. residual  7.055E+02
 Outer iteration    9 Inner iteration   5 Max. residual  1.840E+02
 Outer iteration    9 Inner iteration   6 Max. residual  2.619E+02
 Outer iteration    9 Inner iteration   7 Max. residual  1.395E+02
 Outer iteration    9 Inner iteration   8 Max. residual  8.275E+01
 Outer iteration    9 Inner iteration   9 Max. residual  3.088E+01
 Outer iteration    9 Inner iteration  10 Max. residual  1.187E+02
 Outer iteration    9 Inner iteration  11 Max. residual  2.599E+01
 Outer iteration    9 Inner iteration  12 Max. residual  1.522E+01
 Outer iteration    9 Inner iteration  13 Max. residual  6.954E+00
 Outer iteration    9 Inner iteration  14 Max. residual  4.581E+00
 Outer iteration    9 Inner iteration  15 Max. residual  3.559E+00
 Outer iteration    9 Inner iteration  16 Max. residual  4.584E+00
 Outer iteration    9 Inner iteration  17 Max. residual  6.785E+00
 Outer iteration    9 Inner iteration  18 Max. residual  1.467E+01
 Outer iteration    9 Inner iteration  19 Max. residual  4.456E+00
 Outer iteration    9 Inner iteration  20 Max. residual  3.615E+00
 Outer iteration    9 Inner iteration  21 Max. residual  3.540E+00
 Outer iteration    9 Inner iteration  22 Max. residual  3.639E+00
 Outer iteration    9 Inner iteration  23 Max. residual  5.509E+00
 Outer iteration    9 Inner iteration  24 Max. residual  1.886E+00
 Outer iteration    9 Inner iteration  25 Max. residual  1.803E+00
 Outer iteration    9 Inner iteration  26 Max. residual  1.628E+00
 Outer iteration    9 Inner iteration  27 Max. residual  1.639E+00
 Outer iteration    9 Inner iteration  28 Max. residual  1.782E+00
 Outer iteration    9 Inner iteration  29 Max. residual  1.123E+01
 Outer iteration    9 Inner iteration  30 Max. residual  1.937E+00
 Outer iteration    9 Inner iteration  31 Max. residual  2.049E+00
 Outer iteration    9 Inner iteration  32 Max. residual  1.690E+00
 Outer iteration    9 Inner iteration  33 Max. residual  2.708E+00
 Outer iteration    9 Inner iteration  34 Max. residual  4.689E-01
 Outer iteration    9 Inner iteration  35 Max. residual  5.254E-01
 Outer iteration    9 Inner iteration  36 Max. residual  5.833E-01
 Outer iteration    9 Inner iteration  37 Max. residual  4.189E-01
 Outer iteration    9 Inner iteration  38 Max. residual  4.166E-01
 Outer iteration    9 Inner iteration  39 Max. residual  3.239E-01
 Outer iteration    9 Inner iteration  40 Max. residual  3.104E-01
 Outer iteration    9 Inner iteration  41 Max. residual  3.345E-01
 Outer iteration    9 Inner iteration  42 Max. residual  3.478E-01
 Outer iteration    9 Inner iteration  43 Max. residual  2.830E-01
 Outer iteration    9 Inner iteration  44 Max. residual  5.724E-01
```

```
 Outer iteration    9 Inner iteration  45 Max. residual  3.388E+00
 Outer iteration    9 Inner iteration  46 Max. residual  5.942E-01
 Outer iteration    9 Inner iteration  47 Max. residual  2.314E-01
 Outer iteration    9 Inner iteration  48 Max. residual  1.180E-01
 Outer iteration    9 Inner iteration  49 Max. residual  4.309E-02
 Outer iteration    9 Inner iteration  50 Max. residual  3.986E-02
 Outer iteration    9 Inner iteration  51 Max. residual  1.350E-02
 Outer iteration    9 Inner iteration  52 Max. residual  1.017E-02
 Outer iteration    9 Inner iteration  53 Max. residual  1.238E-02
 Outer iteration    9 Inner iteration  54 Max. residual  1.319E-02
 Outer iteration    9 Inner iteration  55 Max. residual  1.344E-02
 Outer iteration    9 Inner iteration  56 Max. residual  1.366E-02
 Outer iteration    9 Inner iteration  57 Max. residual  1.412E-02
 Outer iteration    9 Inner iteration  58 Max. residual  1.405E-02
 Outer iteration    9 Inner iteration  59 Max. residual  5.859E-02
 Outer iteration    9 Inner iteration  60 Max. residual  5.929E-02
 Outer iteration    9 Inner iteration  61 Max. residual  1.373E-02
 Outer iteration    9 Inner iteration  62 Max. residual  1.494E-02
 Outer iteration    9 Inner iteration  63 Max. residual  1.493E-02
 Outer iteration    9 Inner iteration  64 Max. residual  1.447E-02
 Outer iteration    9 Inner iteration  65 Max. residual  1.448E-02
 Outer iteration    9 Inner iteration  66 Max. residual  1.448E-02
 Outer iteration    9 Inner iteration  67 Max. residual  1.448E-02
 Outer iteration    9 Inner iteration  68 Max. residual  1.446E-02
 Outer iteration    9 Inner iteration  69 Max. residual  1.434E-02
 Outer iteration    9 Inner iteration  70 Max. residual  1.414E-02
 Outer iteration    9 Inner iteration  71 Max. residual  1.400E-02
 Outer iteration    9 Inner iteration  72 Max. residual  1.355E-02
 Outer iteration    9 Inner iteration  73 Max. residual  1.276E-02
 Outer iteration    9 Inner iteration  74 Max. residual  1.042E-02
 Outer iteration    9 Inner iteration  75 Max. residual  1.040E-02
 Outer iteration    9 Inner iteration  76 Max. residual  5.323E-03
 Outer iteration    9 Inner iteration  77 Max. residual  2.884E-03
 Outer iteration    9 Inner iteration  78 Max. residual  1.070E-03
 Outer iteration    9 Inner iteration  79 Max. residual  5.468E-04
 Outer iteration    9 Inner iteration  80 Max. residual  9.317E-04
 Outer iteration    9 Inner iteration  81 Max. residual  1.534E-03
 Outer iteration    9 Inner iteration  82 Max. residual  1.873E-03
 Outer iteration    9 Inner iteration  83 Max. residual  2.058E-03
 Outer iteration    9 Inner iteration  84 Max. residual  2.152E-03
 Outer iteration    9 Inner iteration  85 Max. residual  2.203E-03
 Outer iteration    9 Inner iteration  86 Max. residual  2.223E-03
 Outer iteration    9 Inner iteration  87 Max. residual  2.222E-03
 Outer iteration    9 Inner iteration  88 Max. residual  1.871E-03
 Outer iteration    9 Inner iteration  89 Max. residual  1.874E-03
 Outer iteration    9 Inner iteration  90 Max. residual  1.913E-03
 Outer iteration    9 Inner iteration  91 Max. residual  1.822E-03
 Outer iteration    9 Inner iteration  92 Max. residual  1.914E-03
 Outer iteration    9 Inner iteration  93 Max. residual  2.883E-03
 Outer iteration    9 Inner iteration  94 Max. residual  4.335E-03
 Outer iteration    9 Inner iteration  95 Max. residual  1.592E-03
 Outer iteration    9 Inner iteration  96 Max. residual  1.430E-03
 Outer iteration    9 Inner iteration  97 Max. residual  7.621E-04
 Outer iteration    9 Inner iteration  98 Max. residual  3.211E-04
 Outer iteration    9 Inner iteration  99 Max. residual  2.089E-04
 Outer iteration    9 Inner iteration 100 Max. residual  1.088E-04
 Outer iteration    9 Inner iteration 101 Max. residual  6.633E-05

 CELL CONVERSIONS FOR ITER.= 10  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
```

```
    DRY( 16, 97)   DRY( 28,101)   DRY( 37, 90)   DRY( 37, 97)   DRY( 39,
95)
    DRY( 42, 94)   DRY( 53, 89)   DRY(101, 24)   DRY(101, 36)   DRY(106,
19)
    DRY(106, 25)   DRY(106, 39)   DRY(111, 29)   DRY(111, 30)   DRY(111,
39)
    DRY(111, 40)   DRY(116, 37)   DRY(116, 38)   DRY(117, 35)   DRY(117,
36)
    DRY(118, 35)   DRY(118, 36)   DRY(119, 35)   DRY(119, 36)   DRY(120,
35)
    DRY(120, 36)   DRY(121, 35)   DRY(121, 36)   DRY(131, 33)   DRY(131,
34)
    DRY(132, 24)   DRY(133,  2)   DRY(134,  3)   DRY(137,  4)   DRY(138,
4)
    DRY(139,  5)   DRY(139, 25)   DRY(139, 27)   DRY(140,  5)   DRY(140,
26)
    DRY(140, 27)   DRY(145, 10)   DRY(146, 11)   DRY(148, 16)   DRY(149,
59)
    DRY(149, 60)   DRY(149, 61)   DRY(149, 62)   DRY(149, 63)   DRY(150,
59)
    DRY(150, 60)   DRY(150, 61)   DRY(150, 62)   DRY(150, 63)   DRY(162,
72)
    DRY(163, 83)   DRY(164, 79)   DRY(164, 80)   DRY(164, 81)   DRY(164,
85)
    DRY(168, 85)   DRY(169, 85)   DRY(170, 85)   DRY(171, 86)   DRY(173,
89)
    DRY(175, 90)
0


                                                                SOLUTION BY
CGSTAB-P
                                                                ----------
----------------------------
 Outer iteration   10 Inner iteration   1 Max. residual  7.648E+03
 Outer iteration   10 Inner iteration   2 Max. residual  2.572E+03
 Outer iteration   10 Inner iteration   3 Max. residual  4.508E+02
 Outer iteration   10 Inner iteration   4 Max. residual  2.612E+02
 Outer iteration   10 Inner iteration   5 Max. residual  1.257E+02
 Outer iteration   10 Inner iteration   6 Max. residual  9.440E+01
 Outer iteration   10 Inner iteration   7 Max. residual  6.090E+01
 Outer iteration   10 Inner iteration   8 Max. residual  6.241E+01
 Outer iteration   10 Inner iteration   9 Max. residual  1.799E+02
 Outer iteration   10 Inner iteration  10 Max. residual  8.721E+00
 Outer iteration   10 Inner iteration  11 Max. residual  4.163E+00
 Outer iteration   10 Inner iteration  12 Max. residual  3.647E+00
 Outer iteration   10 Inner iteration  13 Max. residual  3.279E+00
 Outer iteration   10 Inner iteration  14 Max. residual  2.327E+00
 Outer iteration   10 Inner iteration  15 Max. residual  6.252E+00
 Outer iteration   10 Inner iteration  16 Max. residual  1.675E+00
 Outer iteration   10 Inner iteration  17 Max. residual  1.455E+00
 Outer iteration   10 Inner iteration  18 Max. residual  1.168E+00
 Outer iteration   10 Inner iteration  19 Max. residual  1.151E+00
 Outer iteration   10 Inner iteration  20 Max. residual  1.438E+00
 Outer iteration   10 Inner iteration  21 Max. residual  1.309E+00
 Outer iteration   10 Inner iteration  22 Max. residual  1.210E+00
 Outer iteration   10 Inner iteration  23 Max. residual  1.210E+00
 Outer iteration   10 Inner iteration  24 Max. residual  1.051E+00
 Outer iteration   10 Inner iteration  25 Max. residual  1.064E+00
 Outer iteration   10 Inner iteration  26 Max. residual  3.386E+01
```

```
Outer iteration   10 Inner iteration  27 Max. residual  1.607E+00
Outer iteration   10 Inner iteration  28 Max. residual  1.002E+01
Outer iteration   10 Inner iteration  29 Max. residual  3.709E-01
Outer iteration   10 Inner iteration  30 Max. residual  3.799E-01
Outer iteration   10 Inner iteration  31 Max. residual  3.539E-01
Outer iteration   10 Inner iteration  32 Max. residual  3.793E-01
Outer iteration   10 Inner iteration  33 Max. residual  3.692E-01
Outer iteration   10 Inner iteration  34 Max. residual  3.210E-01
Outer iteration   10 Inner iteration  35 Max. residual  3.685E-01
Outer iteration   10 Inner iteration  36 Max. residual  1.519E+00
Outer iteration   10 Inner iteration  37 Max. residual  1.373E-01
Outer iteration   10 Inner iteration  38 Max. residual  7.013E-02
Outer iteration   10 Inner iteration  39 Max. residual  4.988E-02
Outer iteration   10 Inner iteration  40 Max. residual  9.830E-02
Outer iteration   10 Inner iteration  41 Max. residual  4.541E-02
Outer iteration   10 Inner iteration  42 Max. residual  4.447E-02
Outer iteration   10 Inner iteration  43 Max. residual  4.945E-02
Outer iteration   10 Inner iteration  44 Max. residual  3.609E-02
Outer iteration   10 Inner iteration  45 Max. residual  4.796E-02
Outer iteration   10 Inner iteration  46 Max. residual  4.359E-02
Outer iteration   10 Inner iteration  47 Max. residual  8.465E-02
Outer iteration   10 Inner iteration  48 Max. residual  5.439E-02
Outer iteration   10 Inner iteration  49 Max. residual  5.093E-02
Outer iteration   10 Inner iteration  50 Max. residual  5.064E-02
Outer iteration   10 Inner iteration  51 Max. residual  5.015E-02
Outer iteration   10 Inner iteration  52 Max. residual  4.912E-02
Outer iteration   10 Inner iteration  53 Max. residual  4.855E-02
Outer iteration   10 Inner iteration  54 Max. residual  4.861E-02
Outer iteration   10 Inner iteration  55 Max. residual  4.523E-02
Outer iteration   10 Inner iteration  56 Max. residual  4.531E-02
Outer iteration   10 Inner iteration  57 Max. residual  4.494E-02
Outer iteration   10 Inner iteration  58 Max. residual  4.492E-02
Outer iteration   10 Inner iteration  59 Max. residual  4.467E-02
Outer iteration   10 Inner iteration  60 Max. residual  4.523E-02
Outer iteration   10 Inner iteration  61 Max. residual  6.950E-02
Outer iteration   10 Inner iteration  62 Max. residual  6.542E-02
Outer iteration   10 Inner iteration  63 Max. residual  3.600E-02
Outer iteration   10 Inner iteration  64 Max. residual  3.498E-02
Outer iteration   10 Inner iteration  65 Max. residual  3.505E-02
Outer iteration   10 Inner iteration  66 Max. residual  3.725E-02
Outer iteration   10 Inner iteration  67 Max. residual  3.555E-02
Outer iteration   10 Inner iteration  68 Max. residual  3.174E-02
Outer iteration   10 Inner iteration  69 Max. residual  3.154E-02
Outer iteration   10 Inner iteration  70 Max. residual  3.224E-02
Outer iteration   10 Inner iteration  71 Max. residual  3.349E-02
Outer iteration   10 Inner iteration  72 Max. residual  4.454E-02
Outer iteration   10 Inner iteration  73 Max. residual  2.080E-02
Outer iteration   10 Inner iteration  74 Max. residual  8.543E-02
Outer iteration   10 Inner iteration  75 Max. residual  1.319E-01
Outer iteration   10 Inner iteration  76 Max. residual  1.069E-01
Outer iteration   10 Inner iteration  77 Max. residual  4.662E-02
Outer iteration   10 Inner iteration  78 Max. residual  1.100E-02
Outer iteration   10 Inner iteration  79 Max. residual  1.262E-02
Outer iteration   10 Inner iteration  80 Max. residual  1.084E-02
Outer iteration   10 Inner iteration  81 Max. residual  4.736E-03
Outer iteration   10 Inner iteration  82 Max. residual  4.909E-03
Outer iteration   10 Inner iteration  83 Max. residual  2.868E-03
Outer iteration   10 Inner iteration  84 Max. residual  9.290E-04
Outer iteration   10 Inner iteration  85 Max. residual  1.167E-03
Outer iteration   10 Inner iteration  86 Max. residual  1.186E-03
```

```
 Outer iteration   10 Inner iteration  87 Max. residual  2.021E-03
 Outer iteration   10 Inner iteration  88 Max. residual  2.507E-03
 Outer iteration   10 Inner iteration  89 Max. residual  1.010E-03
 Outer iteration   10 Inner iteration  90 Max. residual  1.005E-03
 Outer iteration   10 Inner iteration  91 Max. residual  7.975E-04
 Outer iteration   10 Inner iteration  92 Max. residual  2.460E-03
 Outer iteration   10 Inner iteration  93 Max. residual  5.290E-05

 CELL CONVERSIONS FOR ITER.= 11  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 15, 96)   DRY( 16, 95)   DRY( 20,102)   DRY( 21, 92)   DRY(
29,104)
    DRY( 32,103)   DRY( 33,102)   DRY( 46, 92)   DRY( 47, 92)   DRY( 54,
88)
    DRY( 57, 86)   DRY(116, 28)   DRY(116, 43)   DRY(132, 33)   DRY(132,
34)
    DRY(133, 24)   DRY(133, 33)   DRY(133, 34)   DRY(134,  2)   DRY(134,
24)
    DRY(134, 33)   DRY(134, 34)   DRY(135,  3)   DRY(135, 24)   DRY(135,
33)
    DRY(135, 34)   DRY(136,  3)   DRY(136, 24)   DRY(136, 33)   DRY(136,
34)
    DRY(137, 24)   DRY(139, 78)   DRY(140, 25)   DRY(140, 74)   DRY(140,
75)
    DRY(140, 76)   DRY(140, 77)   DRY(140, 78)   DRY(141,  5)   DRY(141,
26)
    DRY(142,  5)   DRY(144,  8)   DRY(147, 13)   DRY(147, 14)   DRY(148,
15)
    DRY(148, 59)   DRY(148, 60)   DRY(148, 61)   DRY(148, 62)   DRY(148,
63)
    DRY(149, 17)   DRY(163, 77)   DRY(164, 82)   DRY(164, 84)   DRY(165,
85)
    DRY(167, 85)   DRY(171, 85)   DRY(177, 91)   DRY(181, 98)
0


                                                        SOLUTION BY
CGSTAB-P
                                                        ----------------
---------------------------
 Outer iteration   11 Inner iteration   1 Max. residual  3.801E+03
 Outer iteration   11 Inner iteration   2 Max. residual  9.945E+02
 Outer iteration   11 Inner iteration   3 Max. residual  3.005E+02
 Outer iteration   11 Inner iteration   4 Max. residual  1.677E+02
 Outer iteration   11 Inner iteration   5 Max. residual  1.015E+02
 Outer iteration   11 Inner iteration   6 Max. residual  7.108E+01
 Outer iteration   11 Inner iteration   7 Max. residual  5.721E+01
 Outer iteration   11 Inner iteration   8 Max. residual  5.283E+01
 Outer iteration   11 Inner iteration   9 Max. residual  1.204E+02
 Outer iteration   11 Inner iteration  10 Max. residual  2.278E+00
 Outer iteration   11 Inner iteration  11 Max. residual  2.461E+00
 Outer iteration   11 Inner iteration  12 Max. residual  3.548E+00
 Outer iteration   11 Inner iteration  13 Max. residual  9.465E-01
 Outer iteration   11 Inner iteration  14 Max. residual  1.777E+00
 Outer iteration   11 Inner iteration  15 Max. residual  7.528E+00
 Outer iteration   11 Inner iteration  16 Max. residual  2.798E+00
 Outer iteration   11 Inner iteration  17 Max. residual  8.362E-01
 Outer iteration   11 Inner iteration  18 Max. residual  7.958E-01
 Outer iteration   11 Inner iteration  19 Max. residual  7.733E-01
 Outer iteration   11 Inner iteration  20 Max. residual  9.145E-01
```

```
Outer iteration   11 Inner iteration  21 Max. residual  8.906E-01
Outer iteration   11 Inner iteration  22 Max. residual  8.774E-01
Outer iteration   11 Inner iteration  23 Max. residual  8.568E-01
Outer iteration   11 Inner iteration  24 Max. residual  6.474E-01
Outer iteration   11 Inner iteration  25 Max. residual  7.259E-01
Outer iteration   11 Inner iteration  26 Max. residual  1.080E+00
Outer iteration   11 Inner iteration  27 Max. residual  4.561E-01
Outer iteration   11 Inner iteration  28 Max. residual  5.551E-01
Outer iteration   11 Inner iteration  29 Max. residual  2.355E+00
Outer iteration   11 Inner iteration  30 Max. residual  6.616E-01
Outer iteration   11 Inner iteration  31 Max. residual  7.250E-01
Outer iteration   11 Inner iteration  32 Max. residual  5.982E-01
Outer iteration   11 Inner iteration  33 Max. residual  6.070E-01
Outer iteration   11 Inner iteration  34 Max. residual  5.289E-01
Outer iteration   11 Inner iteration  35 Max. residual  4.078E-01
Outer iteration   11 Inner iteration  36 Max. residual  3.996E-01
Outer iteration   11 Inner iteration  37 Max. residual  4.563E-01
Outer iteration   11 Inner iteration  38 Max. residual  4.063E-01
Outer iteration   11 Inner iteration  39 Max. residual  3.803E-01
Outer iteration   11 Inner iteration  40 Max. residual  7.222E-02
Outer iteration   11 Inner iteration  41 Max. residual  8.331E-02
Outer iteration   11 Inner iteration  42 Max. residual  6.650E-02
Outer iteration   11 Inner iteration  43 Max. residual  1.107E-01
Outer iteration   11 Inner iteration  44 Max. residual  9.110E-02
Outer iteration   11 Inner iteration  45 Max. residual  8.975E-02
Outer iteration   11 Inner iteration  46 Max. residual  1.057E-01
Outer iteration   11 Inner iteration  47 Max. residual  1.072E-01
Outer iteration   11 Inner iteration  48 Max. residual  1.052E-01
Outer iteration   11 Inner iteration  49 Max. residual  1.744E-01
Outer iteration   11 Inner iteration  50 Max. residual  5.440E-01
Outer iteration   11 Inner iteration  51 Max. residual  4.152E-01
Outer iteration   11 Inner iteration  52 Max. residual  1.193E-01
Outer iteration   11 Inner iteration  53 Max. residual  1.184E-01
Outer iteration   11 Inner iteration  54 Max. residual  9.914E-02
Outer iteration   11 Inner iteration  55 Max. residual  7.117E-02
Outer iteration   11 Inner iteration  56 Max. residual  7.442E-02
Outer iteration   11 Inner iteration  57 Max. residual  6.918E-02
Outer iteration   11 Inner iteration  58 Max. residual  6.939E-02
Outer iteration   11 Inner iteration  59 Max. residual  6.915E-02
Outer iteration   11 Inner iteration  60 Max. residual  1.935E-01
Outer iteration   11 Inner iteration  61 Max. residual  7.162E-02
Outer iteration   11 Inner iteration  62 Max. residual  7.156E-02
Outer iteration   11 Inner iteration  63 Max. residual  7.470E-02
Outer iteration   11 Inner iteration  64 Max. residual  7.193E-02
Outer iteration   11 Inner iteration  65 Max. residual  5.487E-02
Outer iteration   11 Inner iteration  66 Max. residual  5.551E-02
Outer iteration   11 Inner iteration  67 Max. residual  5.865E-02
Outer iteration   11 Inner iteration  68 Max. residual  1.635E-01
Outer iteration   11 Inner iteration  69 Max. residual  4.253E-02
Outer iteration   11 Inner iteration  70 Max. residual  4.361E-02
Outer iteration   11 Inner iteration  71 Max. residual  2.503E-02
Outer iteration   11 Inner iteration  72 Max. residual  2.557E-02
Outer iteration   11 Inner iteration  73 Max. residual  2.586E-02
Outer iteration   11 Inner iteration  74 Max. residual  2.925E-02
Outer iteration   11 Inner iteration  75 Max. residual  4.116E-02
Outer iteration   11 Inner iteration  76 Max. residual  3.411E-02
Outer iteration   11 Inner iteration  77 Max. residual  1.300E-02
Outer iteration   11 Inner iteration  78 Max. residual  1.239E-02
Outer iteration   11 Inner iteration  79 Max. residual  2.250E-02
Outer iteration   11 Inner iteration  80 Max. residual  2.080E-02
```

```
 Outer iteration   11 Inner iteration  81 Max. residual  2.030E-02
 Outer iteration   11 Inner iteration  82 Max. residual  1.097E-02
 Outer iteration   11 Inner iteration  83 Max. residual  1.582E-02
 Outer iteration   11 Inner iteration  84 Max. residual  1.237E-02
 Outer iteration   11 Inner iteration  85 Max. residual  6.495E-03
 Outer iteration   11 Inner iteration  86 Max. residual  7.502E-03
 Outer iteration   11 Inner iteration  87 Max. residual  6.432E-03
 Outer iteration   11 Inner iteration  88 Max. residual  3.758E-03
 Outer iteration   11 Inner iteration  89 Max. residual  3.766E-03
 Outer iteration   11 Inner iteration  90 Max. residual  3.760E-03
 Outer iteration   11 Inner iteration  91 Max. residual  3.753E-03
 Outer iteration   11 Inner iteration  92 Max. residual  3.721E-03
 Outer iteration   11 Inner iteration  93 Max. residual  3.204E-03
 Outer iteration   11 Inner iteration  94 Max. residual  1.634E-02
 Outer iteration   11 Inner iteration  95 Max. residual  1.535E-03
 Outer iteration   11 Inner iteration  96 Max. residual  1.609E-04
 Outer iteration   11 Inner iteration  97 Max. residual  8.499E-05

 CELL CONVERSIONS FOR ITER.= 12  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 24,103)   DRY( 34,101)   DRY( 35, 99)   DRY( 41, 94)   DRY( 45,
92)
    DRY( 59, 86)   DRY(135,  2)   DRY(136,  2)   DRY(138, 24)   DRY(139,
4)
    DRY(139, 24)   DRY(139, 74)   DRY(139, 75)   DRY(139, 76)   DRY(139,
77)
    DRY(140,  4)   DRY(140, 24)   DRY(141, 25)   DRY(141, 27)   DRY(142,
26)
    DRY(142, 27)   DRY(145,  9)   DRY(146, 10)   DRY(147, 12)   DRY(149,
18)
    DRY(164, 83)   DRY(165, 84)   DRY(166, 85)   DRY(172, 86)   DRY(178,
92)
    DRY(180, 96)   DRY(181, 96)   DRY(181, 97)
0


                                                        SOLUTION BY
CGSTAB-P
                                                        ----------------
---------------------------
 Outer iteration   12 Inner iteration   1 Max. residual  1.790E+03
 Outer iteration   12 Inner iteration   2 Max. residual  2.093E+02
 Outer iteration   12 Inner iteration   3 Max. residual  1.245E+02
 Outer iteration   12 Inner iteration   4 Max. residual  1.230E+02
 Outer iteration   12 Inner iteration   5 Max. residual  6.035E+01
 Outer iteration   12 Inner iteration   6 Max. residual  2.208E+01
 Outer iteration   12 Inner iteration   7 Max. residual  4.741E+01
 Outer iteration   12 Inner iteration   8 Max. residual  1.002E+01
 Outer iteration   12 Inner iteration   9 Max. residual  5.249E+00
 Outer iteration   12 Inner iteration  10 Max. residual  1.278E+00
 Outer iteration   12 Inner iteration  11 Max. residual  2.969E+00
 Outer iteration   12 Inner iteration  12 Max. residual  6.558E-01
 Outer iteration   12 Inner iteration  13 Max. residual  6.270E-01
 Outer iteration   12 Inner iteration  14 Max. residual  6.911E-01
 Outer iteration   12 Inner iteration  15 Max. residual  5.667E-01
 Outer iteration   12 Inner iteration  16 Max. residual  5.667E-01
 Outer iteration   12 Inner iteration  17 Max. residual  5.360E-01
 Outer iteration   12 Inner iteration  18 Max. residual  5.356E-01
 Outer iteration   12 Inner iteration  19 Max. residual  5.172E-01
 Outer iteration   12 Inner iteration  20 Max. residual  6.398E-01
```

```
Outer iteration   12 Inner iteration  21 Max. residual  3.805E+00
Outer iteration   12 Inner iteration  22 Max. residual  4.277E-01
Outer iteration   12 Inner iteration  23 Max. residual  4.589E-01
Outer iteration   12 Inner iteration  24 Max. residual  8.065E-01
Outer iteration   12 Inner iteration  25 Max. residual  4.835E-01
Outer iteration   12 Inner iteration  26 Max. residual  5.610E-01
Outer iteration   12 Inner iteration  27 Max. residual  4.674E-01
Outer iteration   12 Inner iteration  28 Max. residual  4.478E-01
Outer iteration   12 Inner iteration  29 Max. residual  6.594E-01
Outer iteration   12 Inner iteration  30 Max. residual  2.435E-01
Outer iteration   12 Inner iteration  31 Max. residual  1.929E+00
Outer iteration   12 Inner iteration  32 Max. residual  2.186E+00
Outer iteration   12 Inner iteration  33 Max. residual  2.256E+00
Outer iteration   12 Inner iteration  34 Max. residual  2.026E+00
Outer iteration   12 Inner iteration  35 Max. residual  2.640E+01
Outer iteration   12 Inner iteration  36 Max. residual  1.529E+00
Outer iteration   12 Inner iteration  37 Max. residual  1.660E+00
Outer iteration   12 Inner iteration  38 Max. residual  1.943E+00
Outer iteration   12 Inner iteration  39 Max. residual  5.271E-01
Outer iteration   12 Inner iteration  40 Max. residual  8.956E-02
Outer iteration   12 Inner iteration  41 Max. residual  5.018E-02
Outer iteration   12 Inner iteration  42 Max. residual  4.972E-02
Outer iteration   12 Inner iteration  43 Max. residual  9.867E-02
Outer iteration   12 Inner iteration  44 Max. residual  4.992E-02
Outer iteration   12 Inner iteration  45 Max. residual  1.032E-01
Outer iteration   12 Inner iteration  46 Max. residual  4.911E-02
Outer iteration   12 Inner iteration  47 Max. residual  7.849E-02
Outer iteration   12 Inner iteration  48 Max. residual  4.985E-02
Outer iteration   12 Inner iteration  49 Max. residual  4.862E-02
Outer iteration   12 Inner iteration  50 Max. residual  4.804E-02
Outer iteration   12 Inner iteration  51 Max. residual  4.810E-02
Outer iteration   12 Inner iteration  52 Max. residual  5.145E-02
Outer iteration   12 Inner iteration  53 Max. residual  5.007E-02
Outer iteration   12 Inner iteration  54 Max. residual  5.829E-02
Outer iteration   12 Inner iteration  55 Max. residual  5.535E-02
Outer iteration   12 Inner iteration  56 Max. residual  4.832E-02
Outer iteration   12 Inner iteration  57 Max. residual  5.362E-02
Outer iteration   12 Inner iteration  58 Max. residual  4.707E-02
Outer iteration   12 Inner iteration  59 Max. residual  4.696E-02
Outer iteration   12 Inner iteration  60 Max. residual  4.675E-02
Outer iteration   12 Inner iteration  61 Max. residual  4.707E-02
Outer iteration   12 Inner iteration  62 Max. residual  7.009E-02
Outer iteration   12 Inner iteration  63 Max. residual  5.911E-02
Outer iteration   12 Inner iteration  64 Max. residual  5.329E-02
Outer iteration   12 Inner iteration  65 Max. residual  3.990E-02
Outer iteration   12 Inner iteration  66 Max. residual  4.855E-02
Outer iteration   12 Inner iteration  67 Max. residual  5.531E-02
Outer iteration   12 Inner iteration  68 Max. residual  4.070E-02
Outer iteration   12 Inner iteration  69 Max. residual  3.895E-02
Outer iteration   12 Inner iteration  70 Max. residual  3.840E-02
Outer iteration   12 Inner iteration  71 Max. residual  3.620E-02
Outer iteration   12 Inner iteration  72 Max. residual  5.348E-02
Outer iteration   12 Inner iteration  73 Max. residual  5.097E-02
Outer iteration   12 Inner iteration  74 Max. residual  1.178E-02
Outer iteration   12 Inner iteration  75 Max. residual  1.895E-02
Outer iteration   12 Inner iteration  76 Max. residual  2.144E-02
Outer iteration   12 Inner iteration  77 Max. residual  1.893E-02
Outer iteration   12 Inner iteration  78 Max. residual  1.908E-02
Outer iteration   12 Inner iteration  79 Max. residual  1.466E-02
Outer iteration   12 Inner iteration  80 Max. residual  1.697E-02
```

```
 Outer iteration   12 Inner iteration  81 Max. residual  4.543E-02
 Outer iteration   12 Inner iteration  82 Max. residual  5.983E-02
 Outer iteration   12 Inner iteration  83 Max. residual  2.242E-02
 Outer iteration   12 Inner iteration  84 Max. residual  1.096E-02
 Outer iteration   12 Inner iteration  85 Max. residual  8.600E-03
 Outer iteration   12 Inner iteration  86 Max. residual  7.793E-03
 Outer iteration   12 Inner iteration  87 Max. residual  4.335E-03
 Outer iteration   12 Inner iteration  88 Max. residual  1.454E-03
 Outer iteration   12 Inner iteration  89 Max. residual  3.898E-03
 Outer iteration   12 Inner iteration  90 Max. residual  3.904E-03
 Outer iteration   12 Inner iteration  91 Max. residual  3.220E-03
 Outer iteration   12 Inner iteration  92 Max. residual  2.505E-03
 Outer iteration   12 Inner iteration  93 Max. residual  2.032E-03
 Outer iteration   12 Inner iteration  94 Max. residual  1.373E-03
 Outer iteration   12 Inner iteration  95 Max. residual  1.258E-03
 Outer iteration   12 Inner iteration  96 Max. residual  9.524E-04
 Outer iteration   12 Inner iteration  97 Max. residual  2.426E-04
 Outer iteration   12 Inner iteration  98 Max. residual  2.885E-04
 Outer iteration   12 Inner iteration  99 Max. residual  2.913E-04
 Outer iteration   12 Inner iteration 100 Max. residual  2.450E-04
 Outer iteration   12 Inner iteration 101 Max. residual  3.161E-04
 Outer iteration   12 Inner iteration 102 Max. residual  3.185E-04
 Outer iteration   12 Inner iteration 103 Max. residual  2.489E-04
 Outer iteration   12 Inner iteration 104 Max. residual  9.792E-05

 CELL CONVERSIONS FOR ITER.= 13  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 15, 97)   DRY( 21,102)   DRY( 31,103)   DRY( 55, 87)   DRY(123,
35)
    DRY(123, 36)   DRY(124, 35)   DRY(124, 36)   DRY(125, 35)   DRY(125,
36)
    DRY(126, 35)   DRY(126, 36)   DRY(137,  3)   DRY(138,  3)   DRY(141,
24)
    DRY(142, 24)   DRY(142, 25)   DRY(143,  5)   DRY(143,  6)   DRY(143,
24)
    DRY(143, 25)   DRY(162, 71)   DRY(163, 76)   DRY(164, 77)   DRY(164,
78)
    DRY(165, 81)   DRY(165, 82)   DRY(173, 88)   DRY(176, 90)   DRY(181,
95)
0


                                                                SOLUTION BY
CGSTAB-P
                                                                -----------
---------------------------
 Outer iteration   13 Inner iteration   1 Max. residual  6.128E+02
 Outer iteration   13 Inner iteration   2 Max. residual  1.077E+02
 Outer iteration   13 Inner iteration   3 Max. residual  8.627E+01
 Outer iteration   13 Inner iteration   4 Max. residual  6.949E+01
 Outer iteration   13 Inner iteration   5 Max. residual  5.057E+01
 Outer iteration   13 Inner iteration   6 Max. residual  3.542E+01
 Outer iteration   13 Inner iteration   7 Max. residual  2.916E+01
 Outer iteration   13 Inner iteration   8 Max. residual  1.429E+01
 Outer iteration   13 Inner iteration   9 Max. residual  6.707E+00
 Outer iteration   13 Inner iteration  10 Max. residual  1.965E+00
 Outer iteration   13 Inner iteration  11 Max. residual  3.657E+00
 Outer iteration   13 Inner iteration  12 Max. residual  3.929E+01
 Outer iteration   13 Inner iteration  13 Max. residual  5.785E-01
 Outer iteration   13 Inner iteration  14 Max. residual  5.705E-01
```

```
Outer iteration   13 Inner iteration  15 Max. residual  5.733E-01
Outer iteration   13 Inner iteration  16 Max. residual  5.422E-01
Outer iteration   13 Inner iteration  17 Max. residual  5.385E-01
Outer iteration   13 Inner iteration  18 Max. residual  5.350E-01
Outer iteration   13 Inner iteration  19 Max. residual  5.245E-01
Outer iteration   13 Inner iteration  20 Max. residual  5.936E-01
Outer iteration   13 Inner iteration  21 Max. residual  4.048E-01
Outer iteration   13 Inner iteration  22 Max. residual  3.963E-01
Outer iteration   13 Inner iteration  23 Max. residual  3.960E-01
Outer iteration   13 Inner iteration  24 Max. residual  3.941E-01
Outer iteration   13 Inner iteration  25 Max. residual  3.899E-01
Outer iteration   13 Inner iteration  26 Max. residual  3.601E-01
Outer iteration   13 Inner iteration  27 Max. residual  3.417E-01
Outer iteration   13 Inner iteration  28 Max. residual  3.300E-01
Outer iteration   13 Inner iteration  29 Max. residual  3.222E-01
Outer iteration   13 Inner iteration  30 Max. residual  3.239E-01
Outer iteration   13 Inner iteration  31 Max. residual  2.919E-01
Outer iteration   13 Inner iteration  32 Max. residual  2.786E-01
Outer iteration   13 Inner iteration  33 Max. residual  2.784E-01
Outer iteration   13 Inner iteration  34 Max. residual  2.801E-01
Outer iteration   13 Inner iteration  35 Max. residual  2.945E-01
Outer iteration   13 Inner iteration  36 Max. residual  2.605E-01
Outer iteration   13 Inner iteration  37 Max. residual  2.447E-01
Outer iteration   13 Inner iteration  38 Max. residual  2.923E-01
Outer iteration   13 Inner iteration  39 Max. residual  3.593E-01
Outer iteration   13 Inner iteration  40 Max. residual  7.666E-01
Outer iteration   13 Inner iteration  41 Max. residual  1.563E-01
Outer iteration   13 Inner iteration  42 Max. residual  1.340E-01
Outer iteration   13 Inner iteration  43 Max. residual  1.348E-01
Outer iteration   13 Inner iteration  44 Max. residual  1.353E-01
Outer iteration   13 Inner iteration  45 Max. residual  1.353E-01
Outer iteration   13 Inner iteration  46 Max. residual  1.368E-01
Outer iteration   13 Inner iteration  47 Max. residual  1.316E-01
Outer iteration   13 Inner iteration  48 Max. residual  4.370E-01
Outer iteration   13 Inner iteration  49 Max. residual  1.270E-01
Outer iteration   13 Inner iteration  50 Max. residual  1.280E-01
Outer iteration   13 Inner iteration  51 Max. residual  1.274E-01
Outer iteration   13 Inner iteration  52 Max. residual  1.290E-01
Outer iteration   13 Inner iteration  53 Max. residual  1.294E-01
Outer iteration   13 Inner iteration  54 Max. residual  1.326E-01
Outer iteration   13 Inner iteration  55 Max. residual  1.392E-01
Outer iteration   13 Inner iteration  56 Max. residual  1.357E-01
Outer iteration   13 Inner iteration  57 Max. residual  1.357E-01
Outer iteration   13 Inner iteration  58 Max. residual  1.353E-01
Outer iteration   13 Inner iteration  59 Max. residual  1.353E-01
Outer iteration   13 Inner iteration  60 Max. residual  1.258E-01
Outer iteration   13 Inner iteration  61 Max. residual  1.333E-01
Outer iteration   13 Inner iteration  62 Max. residual  1.313E-01
Outer iteration   13 Inner iteration  63 Max. residual  1.027E+00
Outer iteration   13 Inner iteration  64 Max. residual  7.981E-01
Outer iteration   13 Inner iteration  65 Max. residual  1.049E-01
Outer iteration   13 Inner iteration  66 Max. residual  9.895E-02
Outer iteration   13 Inner iteration  67 Max. residual  9.709E-02
Outer iteration   13 Inner iteration  68 Max. residual  9.308E-02
Outer iteration   13 Inner iteration  69 Max. residual  8.587E-02
Outer iteration   13 Inner iteration  70 Max. residual  2.501E-01
Outer iteration   13 Inner iteration  71 Max. residual  2.106E-01
Outer iteration   13 Inner iteration  72 Max. residual  5.937E-02
Outer iteration   13 Inner iteration  73 Max. residual  2.336E-02
Outer iteration   13 Inner iteration  74 Max. residual  2.365E-02
```

```
 Outer iteration   13 Inner iteration  75 Max. residual  2.338E-02
 Outer iteration   13 Inner iteration  76 Max. residual  2.263E-02
 Outer iteration   13 Inner iteration  77 Max. residual  2.236E-02
 Outer iteration   13 Inner iteration  78 Max. residual  1.978E-02
 Outer iteration   13 Inner iteration  79 Max. residual  7.211E-02
 Outer iteration   13 Inner iteration  80 Max. residual  2.534E-02
 Outer iteration   13 Inner iteration  81 Max. residual  2.469E-02
 Outer iteration   13 Inner iteration  82 Max. residual  1.427E-02
 Outer iteration   13 Inner iteration  83 Max. residual  3.502E-02
 Outer iteration   13 Inner iteration  84 Max. residual  1.579E-02
 Outer iteration   13 Inner iteration  85 Max. residual  7.283E-03
 Outer iteration   13 Inner iteration  86 Max. residual  6.840E-03
 Outer iteration   13 Inner iteration  87 Max. residual  6.702E-03
 Outer iteration   13 Inner iteration  88 Max. residual  7.991E-03
 Outer iteration   13 Inner iteration  89 Max. residual  6.245E-03
 Outer iteration   13 Inner iteration  90 Max. residual  6.908E-03
 Outer iteration   13 Inner iteration  91 Max. residual  4.162E-03
 Outer iteration   13 Inner iteration  92 Max. residual  9.736E-04
 Outer iteration   13 Inner iteration  93 Max. residual  1.233E-03
 Outer iteration   13 Inner iteration  94 Max. residual  5.479E-04
 Outer iteration   13 Inner iteration  95 Max. residual  7.000E-04
 Outer iteration   13 Inner iteration  96 Max. residual  5.614E-04
 Outer iteration   13 Inner iteration  97 Max. residual  5.452E-04
 Outer iteration   13 Inner iteration  98 Max. residual  5.202E-04
 Outer iteration   13 Inner iteration  99 Max. residual  5.186E-04
 Outer iteration   13 Inner iteration 100 Max. residual  1.236E-03
 Outer iteration   13 Inner iteration 101 Max. residual  8.788E-04
 Outer iteration   13 Inner iteration 102 Max. residual  1.304E-04
 Outer iteration   13 Inner iteration 103 Max. residual  2.339E-04
 Outer iteration   13 Inner iteration 104 Max. residual  8.092E-05

 CELL CONVERSIONS FOR ITER.= 14  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 17,101)   DRY( 32, 99)   DRY( 43, 93)   DRY( 50, 90)   DRY( 56,
86)
    DRY(122, 35)   DRY(122, 36)   DRY(141,  4)   DRY(141, 28)   DRY(142,
4)
    DRY(142, 28)   DRY(144,  7)   DRY(144, 24)   DRY(145,  8)   DRY(147,
11)
    DRY(147, 59)   DRY(147, 60)   DRY(147, 61)   DRY(147, 62)   DRY(147,
63)
    DRY(148, 13)   DRY(148, 14)   DRY(149, 16)   DRY(164, 76)   DRY(165,
83)
    DRY(166, 84)   DRY(167, 83)   DRY(167, 84)   DRY(180, 95)
0


                                                          SOLUTION BY
CGSTAB-P
                                                          ----------
---------------------------
 Outer iteration   14 Inner iteration   1 Max. residual  2.866E+02
 Outer iteration   14 Inner iteration   2 Max. residual  1.699E+02
 Outer iteration   14 Inner iteration   3 Max. residual  7.535E+01
 Outer iteration   14 Inner iteration   4 Max. residual  4.813E+01
 Outer iteration   14 Inner iteration   5 Max. residual  2.592E+01
 Outer iteration   14 Inner iteration   6 Max. residual  1.319E+01
 Outer iteration   14 Inner iteration   7 Max. residual  1.135E+01
 Outer iteration   14 Inner iteration   8 Max. residual  9.419E+00
 Outer iteration   14 Inner iteration   9 Max. residual  2.616E+01
```

```
Outer iteration   14 Inner iteration  10 Max. residual  2.506E+01
Outer iteration   14 Inner iteration  11 Max. residual  4.096E+00
Outer iteration   14 Inner iteration  12 Max. residual  4.271E-01
Outer iteration   14 Inner iteration  13 Max. residual  3.995E-01
Outer iteration   14 Inner iteration  14 Max. residual  3.639E+00
Outer iteration   14 Inner iteration  15 Max. residual  2.659E-01
Outer iteration   14 Inner iteration  16 Max. residual  2.650E-01
Outer iteration   14 Inner iteration  17 Max. residual  2.637E-01
Outer iteration   14 Inner iteration  18 Max. residual  2.604E-01
Outer iteration   14 Inner iteration  19 Max. residual  2.567E-01
Outer iteration   14 Inner iteration  20 Max. residual  2.508E-01
Outer iteration   14 Inner iteration  21 Max. residual  2.416E-01
Outer iteration   14 Inner iteration  22 Max. residual  2.134E-01
Outer iteration   14 Inner iteration  23 Max. residual  1.796E-01
Outer iteration   14 Inner iteration  24 Max. residual  1.501E-01
Outer iteration   14 Inner iteration  25 Max. residual  1.479E-01
Outer iteration   14 Inner iteration  26 Max. residual  1.529E-01
Outer iteration   14 Inner iteration  27 Max. residual  1.398E-01
Outer iteration   14 Inner iteration  28 Max. residual  1.800E-01
Outer iteration   14 Inner iteration  29 Max. residual  1.412E-01
Outer iteration   14 Inner iteration  30 Max. residual  2.503E-01
Outer iteration   14 Inner iteration  31 Max. residual  1.374E-01
Outer iteration   14 Inner iteration  32 Max. residual  1.275E-01
Outer iteration   14 Inner iteration  33 Max. residual  1.277E-01
Outer iteration   14 Inner iteration  34 Max. residual  1.271E-01
Outer iteration   14 Inner iteration  35 Max. residual  2.688E-01
Outer iteration   14 Inner iteration  36 Max. residual  1.092E-01
Outer iteration   14 Inner iteration  37 Max. residual  4.258E-01
Outer iteration   14 Inner iteration  38 Max. residual  1.100E-01
Outer iteration   14 Inner iteration  39 Max. residual  2.220E-01
Outer iteration   14 Inner iteration  40 Max. residual  1.533E-01
Outer iteration   14 Inner iteration  41 Max. residual  1.218E-01
Outer iteration   14 Inner iteration  42 Max. residual  1.228E-01
Outer iteration   14 Inner iteration  43 Max. residual  1.398E-01
Outer iteration   14 Inner iteration  44 Max. residual  6.646E-01
Outer iteration   14 Inner iteration  45 Max. residual  2.044E-01
Outer iteration   14 Inner iteration  46 Max. residual  6.421E-02
Outer iteration   14 Inner iteration  47 Max. residual  2.081E-01
Outer iteration   14 Inner iteration  48 Max. residual  1.403E-01
Outer iteration   14 Inner iteration  49 Max. residual  1.162E-01
Outer iteration   14 Inner iteration  50 Max. residual  1.038E-01
Outer iteration   14 Inner iteration  51 Max. residual  9.421E-02
Outer iteration   14 Inner iteration  52 Max. residual  7.106E-02
Outer iteration   14 Inner iteration  53 Max. residual  1.052E-01
Outer iteration   14 Inner iteration  54 Max. residual  6.754E-02
Outer iteration   14 Inner iteration  55 Max. residual  1.449E-01
Outer iteration   14 Inner iteration  56 Max. residual  6.059E-02
Outer iteration   14 Inner iteration  57 Max. residual  5.885E-02
Outer iteration   14 Inner iteration  58 Max. residual  5.977E-02
Outer iteration   14 Inner iteration  59 Max. residual  5.754E-02
Outer iteration   14 Inner iteration  60 Max. residual  6.052E-02
Outer iteration   14 Inner iteration  61 Max. residual  6.304E-02
Outer iteration   14 Inner iteration  62 Max. residual  6.362E-02
Outer iteration   14 Inner iteration  63 Max. residual  6.974E-02
Outer iteration   14 Inner iteration  64 Max. residual  7.015E-02
Outer iteration   14 Inner iteration  65 Max. residual  5.552E-02
Outer iteration   14 Inner iteration  66 Max. residual  5.920E-02
Outer iteration   14 Inner iteration  67 Max. residual  1.184E+01
Outer iteration   14 Inner iteration  68 Max. residual  3.417E-01
Outer iteration   14 Inner iteration  69 Max. residual  1.108E-01
```

```
 Outer iteration   14 Inner iteration  70 Max. residual  4.414E-02
 Outer iteration   14 Inner iteration  71 Max. residual  5.130E-02
 Outer iteration   14 Inner iteration  72 Max. residual  6.340E-02
 Outer iteration   14 Inner iteration  73 Max. residual  3.000E-02
 Outer iteration   14 Inner iteration  74 Max. residual  2.341E-01
 Outer iteration   14 Inner iteration  75 Max. residual  1.543E-01
 Outer iteration   14 Inner iteration  76 Max. residual  1.332E-01
 Outer iteration   14 Inner iteration  77 Max. residual  1.112E-01
 Outer iteration   14 Inner iteration  78 Max. residual  1.009E-01
 Outer iteration   14 Inner iteration  79 Max. residual  6.115E-01
 Outer iteration   14 Inner iteration  80 Max. residual  1.412E+00
 Outer iteration   14 Inner iteration  81 Max. residual  7.732E-02
 Outer iteration   14 Inner iteration  82 Max. residual  2.448E-02
 Outer iteration   14 Inner iteration  83 Max. residual  1.088E-02
 Outer iteration   14 Inner iteration  84 Max. residual  8.307E-03
 Outer iteration   14 Inner iteration  85 Max. residual  1.056E-02
 Outer iteration   14 Inner iteration  86 Max. residual  1.133E-02
 Outer iteration   14 Inner iteration  87 Max. residual  1.113E-02
 Outer iteration   14 Inner iteration  88 Max. residual  1.111E-02
 Outer iteration   14 Inner iteration  89 Max. residual  4.956E-02
 Outer iteration   14 Inner iteration  90 Max. residual  1.973E-02
 Outer iteration   14 Inner iteration  91 Max. residual  1.871E-03
 Outer iteration   14 Inner iteration  92 Max. residual  8.166E-04
 Outer iteration   14 Inner iteration  93 Max. residual  1.347E-03
 Outer iteration   14 Inner iteration  94 Max. residual  1.432E-03
 Outer iteration   14 Inner iteration  95 Max. residual  1.391E-03
 Outer iteration   14 Inner iteration  96 Max. residual  1.391E-03
 Outer iteration   14 Inner iteration  97 Max. residual  1.377E-03
 Outer iteration   14 Inner iteration  98 Max. residual  1.742E-03
 Outer iteration   14 Inner iteration  99 Max. residual  8.032E-05

 CELL CONVERSIONS FOR ITER.= 15  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 14, 97)   DRY( 14,100)   DRY( 19,102)   DRY( 44, 83)   DRY( 44,
84)
    DRY(144,  6)   DRY(146,  9)   DRY(165, 79)   DRY(165, 80)   DRY(166,
83)
    DRY(168, 83)   DRY(168, 84)   DRY(174, 89)   DRY(181, 94)
0


                                                          SOLUTION BY
CGSTAB-P
                                                          ----------------
----------------------------
 Outer iteration   15 Inner iteration   1 Max. residual  3.020E+02
 Outer iteration   15 Inner iteration   2 Max. residual  1.313E+02
 Outer iteration   15 Inner iteration   3 Max. residual  6.173E+01
 Outer iteration   15 Inner iteration   4 Max. residual  3.683E+01
 Outer iteration   15 Inner iteration   5 Max. residual  2.165E+01
 Outer iteration   15 Inner iteration   6 Max. residual  1.122E+01
 Outer iteration   15 Inner iteration   7 Max. residual  9.440E+00
 Outer iteration   15 Inner iteration   8 Max. residual  5.718E+00
 Outer iteration   15 Inner iteration   9 Max. residual  3.075E+00
 Outer iteration   15 Inner iteration  10 Max. residual  2.114E+00
 Outer iteration   15 Inner iteration  11 Max. residual  1.589E+00
 Outer iteration   15 Inner iteration  12 Max. residual  3.759E-01
 Outer iteration   15 Inner iteration  13 Max. residual  2.332E-01
 Outer iteration   15 Inner iteration  14 Max. residual  1.864E-01
 Outer iteration   15 Inner iteration  15 Max. residual  1.812E-01
```

```
Outer iteration   15 Inner iteration  16 Max. residual  1.789E-01
Outer iteration   15 Inner iteration  17 Max. residual  1.684E-01
Outer iteration   15 Inner iteration  18 Max. residual  1.735E-01
Outer iteration   15 Inner iteration  19 Max. residual  1.708E-01
Outer iteration   15 Inner iteration  20 Max. residual  2.253E-01
Outer iteration   15 Inner iteration  21 Max. residual  1.347E-01
Outer iteration   15 Inner iteration  22 Max. residual  1.360E-01
Outer iteration   15 Inner iteration  23 Max. residual  4.699E-01
Outer iteration   15 Inner iteration  24 Max. residual  5.989E-01
Outer iteration   15 Inner iteration  25 Max. residual  6.247E-01
Outer iteration   15 Inner iteration  26 Max. residual  5.978E-01
Outer iteration   15 Inner iteration  27 Max. residual  5.553E-01
Outer iteration   15 Inner iteration  28 Max. residual  6.898E-01
Outer iteration   15 Inner iteration  29 Max. residual  1.399E-01
Outer iteration   15 Inner iteration  30 Max. residual  2.281E-01
Outer iteration   15 Inner iteration  31 Max. residual  2.947E-01
Outer iteration   15 Inner iteration  32 Max. residual  3.069E-01
Outer iteration   15 Inner iteration  33 Max. residual  3.137E-01
Outer iteration   15 Inner iteration  34 Max. residual  3.215E-01
Outer iteration   15 Inner iteration  35 Max. residual  3.397E-01
Outer iteration   15 Inner iteration  36 Max. residual  3.561E-01
Outer iteration   15 Inner iteration  37 Max. residual  4.049E-01
Outer iteration   15 Inner iteration  38 Max. residual  9.809E-02
Outer iteration   15 Inner iteration  39 Max. residual  6.385E+00
Outer iteration   15 Inner iteration  40 Max. residual  3.410E-01
Outer iteration   15 Inner iteration  41 Max. residual  2.375E-01
Outer iteration   15 Inner iteration  42 Max. residual  2.838E-01
Outer iteration   15 Inner iteration  43 Max. residual  2.792E-01
Outer iteration   15 Inner iteration  44 Max. residual  5.551E-01
Outer iteration   15 Inner iteration  45 Max. residual  4.180E-01
Outer iteration   15 Inner iteration  46 Max. residual  4.132E-01
Outer iteration   15 Inner iteration  47 Max. residual  4.055E-01
Outer iteration   15 Inner iteration  48 Max. residual  3.688E-01
Outer iteration   15 Inner iteration  49 Max. residual  2.733E-01
Outer iteration   15 Inner iteration  50 Max. residual  2.552E-01
Outer iteration   15 Inner iteration  51 Max. residual  3.022E-01
Outer iteration   15 Inner iteration  52 Max. residual  1.245E-01
Outer iteration   15 Inner iteration  53 Max. residual  1.601E-01
Outer iteration   15 Inner iteration  54 Max. residual  6.647E-02
Outer iteration   15 Inner iteration  55 Max. residual  6.472E-02
Outer iteration   15 Inner iteration  56 Max. residual  6.484E-02
Outer iteration   15 Inner iteration  57 Max. residual  6.134E-02
Outer iteration   15 Inner iteration  58 Max. residual  5.995E-02
Outer iteration   15 Inner iteration  59 Max. residual  2.938E-01
Outer iteration   15 Inner iteration  60 Max. residual  3.546E-02
Outer iteration   15 Inner iteration  61 Max. residual  2.736E-02
Outer iteration   15 Inner iteration  62 Max. residual  2.814E-02
Outer iteration   15 Inner iteration  63 Max. residual  2.822E-02
Outer iteration   15 Inner iteration  64 Max. residual  2.268E-02
Outer iteration   15 Inner iteration  65 Max. residual  8.504E-03
Outer iteration   15 Inner iteration  66 Max. residual  1.601E-02
Outer iteration   15 Inner iteration  67 Max. residual  1.314E-01
Outer iteration   15 Inner iteration  68 Max. residual  7.250E-02
Outer iteration   15 Inner iteration  69 Max. residual  2.503E-02
Outer iteration   15 Inner iteration  70 Max. residual  6.532E-03
Outer iteration   15 Inner iteration  71 Max. residual  3.529E-03
Outer iteration   15 Inner iteration  72 Max. residual  3.327E-03
Outer iteration   15 Inner iteration  73 Max. residual  2.043E-03
Outer iteration   15 Inner iteration  74 Max. residual  2.125E-03
Outer iteration   15 Inner iteration  75 Max. residual  1.793E-03
```

```
 Outer iteration   15 Inner iteration  76 Max. residual  1.380E-03
 Outer iteration   15 Inner iteration  77 Max. residual  1.377E-03
 Outer iteration   15 Inner iteration  78 Max. residual  1.310E-03
 Outer iteration   15 Inner iteration  79 Max. residual  1.573E-03
 Outer iteration   15 Inner iteration  80 Max. residual  1.286E-03
 Outer iteration   15 Inner iteration  81 Max. residual  9.320E-04
 Outer iteration   15 Inner iteration  82 Max. residual  9.050E-04
 Outer iteration   15 Inner iteration  83 Max. residual  1.027E-03
 Outer iteration   15 Inner iteration  84 Max. residual  1.099E-03
 Outer iteration   15 Inner iteration  85 Max. residual  9.900E-04
 Outer iteration   15 Inner iteration  86 Max. residual  9.266E-04
 Outer iteration   15 Inner iteration  87 Max. residual  8.852E-04
 Outer iteration   15 Inner iteration  88 Max. residual  9.117E-04
 Outer iteration   15 Inner iteration  89 Max. residual  7.016E-04
 Outer iteration   15 Inner iteration  90 Max. residual  1.906E-02
 Outer iteration   15 Inner iteration  91 Max. residual  1.294E-03
 Outer iteration   15 Inner iteration  92 Max. residual  1.901E-03
 Outer iteration   15 Inner iteration  93 Max. residual  1.966E-03
 Outer iteration   15 Inner iteration  94 Max. residual  3.548E-03
 Outer iteration   15 Inner iteration  95 Max. residual  2.028E-03
 Outer iteration   15 Inner iteration  96 Max. residual  6.930E-04
 Outer iteration   15 Inner iteration  97 Max. residual  3.957E-04
 Outer iteration   15 Inner iteration  98 Max. residual  2.445E-04
 Outer iteration   15 Inner iteration  99 Max. residual  2.118E-04
 Outer iteration   15 Inner iteration 100 Max. residual  1.772E-04
 Outer iteration   15 Inner iteration 101 Max. residual  1.971E-04
 Outer iteration   15 Inner iteration 102 Max. residual  1.609E-04
 Outer iteration   15 Inner iteration 103 Max. residual  2.698E-04
 Outer iteration   15 Inner iteration 104 Max. residual  3.824E-05

 CELL CONVERSIONS FOR ITER.= 16  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 15, 98)   DRY(142, 29)
0


                                                          SOLUTION BY
CGSTAB-P
                                                          ----------------
---------------------------
 Outer iteration   16 Inner iteration   1 Max. residual  2.835E+02
 Outer iteration   16 Inner iteration   2 Max. residual  1.721E+02
 Outer iteration   16 Inner iteration   3 Max. residual  7.077E+01
 Outer iteration   16 Inner iteration   4 Max. residual  4.579E+01
 Outer iteration   16 Inner iteration   5 Max. residual  1.149E+01
 Outer iteration   16 Inner iteration   6 Max. residual  6.076E+00
 Outer iteration   16 Inner iteration   7 Max. residual  5.094E+00
 Outer iteration   16 Inner iteration   8 Max. residual  3.784E+00
 Outer iteration   16 Inner iteration   9 Max. residual  2.914E+00
 Outer iteration   16 Inner iteration  10 Max. residual  9.685E-01
 Outer iteration   16 Inner iteration  11 Max. residual  1.037E+00
 Outer iteration   16 Inner iteration  12 Max. residual  3.716E-01
 Outer iteration   16 Inner iteration  13 Max. residual  2.383E-01
 Outer iteration   16 Inner iteration  14 Max. residual  3.515E-01
 Outer iteration   16 Inner iteration  15 Max. residual  1.034E-01
 Outer iteration   16 Inner iteration  16 Max. residual  1.005E-01
 Outer iteration   16 Inner iteration  17 Max. residual  9.885E-02
 Outer iteration   16 Inner iteration  18 Max. residual  9.736E-02
 Outer iteration   16 Inner iteration  19 Max. residual  9.445E-02
 Outer iteration   16 Inner iteration  20 Max. residual  9.254E-02
```

```
 Outer iteration   16 Inner iteration  21 Max. residual  8.872E-02
 Outer iteration   16 Inner iteration  22 Max. residual  8.143E-02
 Outer iteration   16 Inner iteration  23 Max. residual  5.702E-02
 Outer iteration   16 Inner iteration  24 Max. residual  3.667E-02
 Outer iteration   16 Inner iteration  25 Max. residual  3.707E-02
 Outer iteration   16 Inner iteration  26 Max. residual  3.722E-02
 Outer iteration   16 Inner iteration  27 Max. residual  3.066E-02
 Outer iteration   16 Inner iteration  28 Max. residual  3.251E-02
 Outer iteration   16 Inner iteration  29 Max. residual  3.385E-02
 Outer iteration   16 Inner iteration  30 Max. residual  3.455E-02
 Outer iteration   16 Inner iteration  31 Max. residual  3.458E-02
 Outer iteration   16 Inner iteration  32 Max. residual  3.406E-02
 Outer iteration   16 Inner iteration  33 Max. residual  7.558E-02
 Outer iteration   16 Inner iteration  34 Max. residual  3.903E-01
 Outer iteration   16 Inner iteration  35 Max. residual  3.360E-02
 Outer iteration   16 Inner iteration  36 Max. residual  2.904E-02
 Outer iteration   16 Inner iteration  37 Max. residual  2.866E-02
 Outer iteration   16 Inner iteration  38 Max. residual  2.789E-02
 Outer iteration   16 Inner iteration  39 Max. residual  2.057E-02
 Outer iteration   16 Inner iteration  40 Max. residual  1.354E-02
 Outer iteration   16 Inner iteration  41 Max. residual  1.523E-02
 Outer iteration   16 Inner iteration  42 Max. residual  1.538E-02
 Outer iteration   16 Inner iteration  43 Max. residual  1.489E-02
 Outer iteration   16 Inner iteration  44 Max. residual  1.299E-02
 Outer iteration   16 Inner iteration  45 Max. residual  5.742E-03
 Outer iteration   16 Inner iteration  46 Max. residual  1.162E-03
 Outer iteration   16 Inner iteration  47 Max. residual  1.030E-03
 Outer iteration   16 Inner iteration  48 Max. residual  1.171E-03
 Outer iteration   16 Inner iteration  49 Max. residual  1.241E-03
 Outer iteration   16 Inner iteration  50 Max. residual  1.439E-03
 Outer iteration   16 Inner iteration  51 Max. residual  1.500E-03
 Outer iteration   16 Inner iteration  52 Max. residual  3.084E-03
 Outer iteration   16 Inner iteration  53 Max. residual  1.302E-03
 Outer iteration   16 Inner iteration  54 Max. residual  1.594E-03
 Outer iteration   16 Inner iteration  55 Max. residual  1.251E-03
 Outer iteration   16 Inner iteration  56 Max. residual  1.300E-03
 Outer iteration   16 Inner iteration  57 Max. residual  6.370E-04
 Outer iteration   16 Inner iteration  58 Max. residual  3.559E-03
 Outer iteration   16 Inner iteration  59 Max. residual  1.473E-03
 Outer iteration   16 Inner iteration  60 Max. residual  9.921E-04
 Outer iteration   16 Inner iteration  61 Max. residual  1.522E-03
 Outer iteration   16 Inner iteration  62 Max. residual  4.080E-03
 Outer iteration   16 Inner iteration  63 Max. residual  1.870E-02
 Outer iteration   16 Inner iteration  64 Max. residual  2.607E-04
 Outer iteration   16 Inner iteration  65 Max. residual  2.004E-03
 Outer iteration   16 Inner iteration  66 Max. residual  8.656E-04
 Outer iteration   16 Inner iteration  67 Max. residual  2.118E-04
 Outer iteration   16 Inner iteration  68 Max. residual  1.503E-04
 Outer iteration   16 Inner iteration  69 Max. residual  1.083E-04
 Outer iteration   16 Inner iteration  70 Max. residual  8.754E-05

 CELL CONVERSIONS FOR ITER.= 17  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY(137,  2)   DRY(137, 33)   DRY(137, 34)   DRY(138,  2)   DRY(138,
33)
    DRY(138, 34)   DRY(141, 29)   DRY(141, 30)   DRY(142, 30)   DRY(164,
75)
    DRY(180, 94)
0
```

SOLUTION BY

CGSTAB-P

Outer iteration	17	Inner iteration	1	Max. residual	1.355E+02
Outer iteration	17	Inner iteration	2	Max. residual	4.867E+01
Outer iteration	17	Inner iteration	3	Max. residual	3.385E+01
Outer iteration	17	Inner iteration	4	Max. residual	1.494E+01
Outer iteration	17	Inner iteration	5	Max. residual	1.145E+01
Outer iteration	17	Inner iteration	6	Max. residual	4.459E+00
Outer iteration	17	Inner iteration	7	Max. residual	3.773E+00
Outer iteration	17	Inner iteration	8	Max. residual	9.715E-01
Outer iteration	17	Inner iteration	9	Max. residual	5.727E-01
Outer iteration	17	Inner iteration	10	Max. residual	4.444E-01
Outer iteration	17	Inner iteration	11	Max. residual	2.436E-01
Outer iteration	17	Inner iteration	12	Max. residual	1.917E-01
Outer iteration	17	Inner iteration	13	Max. residual	1.667E-01
Outer iteration	17	Inner iteration	14	Max. residual	1.366E-01
Outer iteration	17	Inner iteration	15	Max. residual	1.437E-01
Outer iteration	17	Inner iteration	16	Max. residual	9.079E-02
Outer iteration	17	Inner iteration	17	Max. residual	2.790E-01
Outer iteration	17	Inner iteration	18	Max. residual	1.068E-01
Outer iteration	17	Inner iteration	19	Max. residual	3.034E-02
Outer iteration	17	Inner iteration	20	Max. residual	2.844E-02
Outer iteration	17	Inner iteration	21	Max. residual	2.861E-02
Outer iteration	17	Inner iteration	22	Max. residual	2.827E-02
Outer iteration	17	Inner iteration	23	Max. residual	2.687E-02
Outer iteration	17	Inner iteration	24	Max. residual	2.538E-02
Outer iteration	17	Inner iteration	25	Max. residual	2.481E-02
Outer iteration	17	Inner iteration	26	Max. residual	2.343E-02
Outer iteration	17	Inner iteration	27	Max. residual	2.084E-02
Outer iteration	17	Inner iteration	28	Max. residual	1.171E-02
Outer iteration	17	Inner iteration	29	Max. residual	1.226E-02
Outer iteration	17	Inner iteration	30	Max. residual	9.929E-03
Outer iteration	17	Inner iteration	31	Max. residual	9.678E-03
Outer iteration	17	Inner iteration	32	Max. residual	1.178E-02
Outer iteration	17	Inner iteration	33	Max. residual	9.704E-03
Outer iteration	17	Inner iteration	34	Max. residual	9.874E-03
Outer iteration	17	Inner iteration	35	Max. residual	1.371E-02
Outer iteration	17	Inner iteration	36	Max. residual	1.453E-02
Outer iteration	17	Inner iteration	37	Max. residual	1.278E-02
Outer iteration	17	Inner iteration	38	Max. residual	1.330E-02
Outer iteration	17	Inner iteration	39	Max. residual	6.830E-02
Outer iteration	17	Inner iteration	40	Max. residual	3.619E-02
Outer iteration	17	Inner iteration	41	Max. residual	1.448E-01
Outer iteration	17	Inner iteration	42	Max. residual	5.508E-02
Outer iteration	17	Inner iteration	43	Max. residual	1.953E-02
Outer iteration	17	Inner iteration	44	Max. residual	4.750E-03
Outer iteration	17	Inner iteration	45	Max. residual	2.076E-03
Outer iteration	17	Inner iteration	46	Max. residual	2.581E-03
Outer iteration	17	Inner iteration	47	Max. residual	2.485E-03
Outer iteration	17	Inner iteration	48	Max. residual	2.430E-03
Outer iteration	17	Inner iteration	49	Max. residual	2.463E-03
Outer iteration	17	Inner iteration	50	Max. residual	3.535E-03
Outer iteration	17	Inner iteration	51	Max. residual	2.399E-03
Outer iteration	17	Inner iteration	52	Max. residual	1.731E-03
Outer iteration	17	Inner iteration	53	Max. residual	2.326E-03
Outer iteration	17	Inner iteration	54	Max. residual	1.418E-03
Outer iteration	17	Inner iteration	55	Max. residual	1.502E-03

```
 Outer iteration   17 Inner iteration  56 Max. residual  1.399E-03
 Outer iteration   17 Inner iteration  57 Max. residual  1.037E-03
 Outer iteration   17 Inner iteration  58 Max. residual  1.040E-03
 Outer iteration   17 Inner iteration  59 Max. residual  1.183E-03
 Outer iteration   17 Inner iteration  60 Max. residual  1.397E-03
 Outer iteration   17 Inner iteration  61 Max. residual  1.879E-03
 Outer iteration   17 Inner iteration  62 Max. residual  2.795E-04
 Outer iteration   17 Inner iteration  63 Max. residual  1.973E-04
 Outer iteration   17 Inner iteration  64 Max. residual  3.528E-04
 Outer iteration   17 Inner iteration  65 Max. residual  5.201E-04
 Outer iteration   17 Inner iteration  66 Max. residual  2.080E-04
 Outer iteration   17 Inner iteration  67 Max. residual  1.862E-04
 Outer iteration   17 Inner iteration  68 Max. residual  1.953E-04
 Outer iteration   17 Inner iteration  69 Max. residual  1.277E-04
 Outer iteration   17 Inner iteration  70 Max. residual  1.271E-04
 Outer iteration   17 Inner iteration  71 Max. residual  2.434E-04
 Outer iteration   17 Inner iteration  72 Max. residual  1.089E-03
 Outer iteration   17 Inner iteration  73 Max. residual  4.533E-04
 Outer iteration   17 Inner iteration  74 Max. residual  2.458E-04
 Outer iteration   17 Inner iteration  75 Max. residual  1.847E-04
 Outer iteration   17 Inner iteration  76 Max. residual  1.479E-04
 Outer iteration   17 Inner iteration  77 Max. residual  1.151E-04
 Outer iteration   17 Inner iteration  78 Max. residual  1.025E-04
 Outer iteration   17 Inner iteration  79 Max. residual  5.603E-04
 Outer iteration   17 Inner iteration  80 Max. residual  1.894E-04
 Outer iteration   17 Inner iteration  81 Max. residual  1.251E-05

 CELL CONVERSIONS FOR ITER.= 18  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY(143, 26)   DRY(147, 10)   DRY(172, 85)
0


                                                        SOLUTION BY
CGSTAB-P
                                                        ---------------
---------------------------
 Outer iteration   18 Inner iteration   1 Max. residual  2.800E+02
 Outer iteration   18 Inner iteration   2 Max. residual  1.721E+02
 Outer iteration   18 Inner iteration   3 Max. residual  6.744E+01
 Outer iteration   18 Inner iteration   4 Max. residual  4.166E+01
 Outer iteration   18 Inner iteration   5 Max. residual  9.353E+00
 Outer iteration   18 Inner iteration   6 Max. residual  7.274E+00
 Outer iteration   18 Inner iteration   7 Max. residual  2.694E+00
 Outer iteration   18 Inner iteration   8 Max. residual  1.933E+00
 Outer iteration   18 Inner iteration   9 Max. residual  1.530E+00
 Outer iteration   18 Inner iteration  10 Max. residual  1.453E+00
 Outer iteration   18 Inner iteration  11 Max. residual  1.739E+00
 Outer iteration   18 Inner iteration  12 Max. residual  1.097E+01
 Outer iteration   18 Inner iteration  13 Max. residual  7.230E-01
 Outer iteration   18 Inner iteration  14 Max. residual  2.974E-01
 Outer iteration   18 Inner iteration  15 Max. residual  1.703E-01
 Outer iteration   18 Inner iteration  16 Max. residual  9.845E-02
 Outer iteration   18 Inner iteration  17 Max. residual  5.858E-02
 Outer iteration   18 Inner iteration  18 Max. residual  4.167E-02
 Outer iteration   18 Inner iteration  19 Max. residual  3.266E-02
 Outer iteration   18 Inner iteration  20 Max. residual  3.285E-02
 Outer iteration   18 Inner iteration  21 Max. residual  2.983E-02
 Outer iteration   18 Inner iteration  22 Max. residual  2.972E-02
 Outer iteration   18 Inner iteration  23 Max. residual  3.133E-02
```

```
 Outer iteration   18 Inner iteration  24 Max. residual  2.107E-02
 Outer iteration   18 Inner iteration  25 Max. residual  1.815E-02
 Outer iteration   18 Inner iteration  26 Max. residual  1.774E-02
 Outer iteration   18 Inner iteration  27 Max. residual  1.699E-02
 Outer iteration   18 Inner iteration  28 Max. residual  1.670E-02
 Outer iteration   18 Inner iteration  29 Max. residual  1.572E-02
 Outer iteration   18 Inner iteration  30 Max. residual  1.555E-02
 Outer iteration   18 Inner iteration  31 Max. residual  1.643E-02
 Outer iteration   18 Inner iteration  32 Max. residual  1.376E-02
 Outer iteration   18 Inner iteration  33 Max. residual  1.400E-02
 Outer iteration   18 Inner iteration  34 Max. residual  1.767E-02
 Outer iteration   18 Inner iteration  35 Max. residual  1.722E-02
 Outer iteration   18 Inner iteration  36 Max. residual  8.397E-01
 Outer iteration   18 Inner iteration  37 Max. residual  8.632E-03
 Outer iteration   18 Inner iteration  38 Max. residual  8.872E-03
 Outer iteration   18 Inner iteration  39 Max. residual  9.263E-03
 Outer iteration   18 Inner iteration  40 Max. residual  9.649E-03
 Outer iteration   18 Inner iteration  41 Max. residual  1.258E-02
 Outer iteration   18 Inner iteration  42 Max. residual  1.211E-02
 Outer iteration   18 Inner iteration  43 Max. residual  1.326E-02
 Outer iteration   18 Inner iteration  44 Max. residual  2.411E-02
 Outer iteration   18 Inner iteration  45 Max. residual  2.929E-03
 Outer iteration   18 Inner iteration  46 Max. residual  4.133E-03
 Outer iteration   18 Inner iteration  47 Max. residual  4.335E-03
 Outer iteration   18 Inner iteration  48 Max. residual  4.211E-03
 Outer iteration   18 Inner iteration  49 Max. residual  4.378E-03
 Outer iteration   18 Inner iteration  50 Max. residual  1.745E-02
 Outer iteration   18 Inner iteration  51 Max. residual  1.885E-02
 Outer iteration   18 Inner iteration  52 Max. residual  2.499E-02
 Outer iteration   18 Inner iteration  53 Max. residual  2.323E-03
 Outer iteration   18 Inner iteration  54 Max. residual  8.313E-04
 Outer iteration   18 Inner iteration  55 Max. residual  8.805E-04
 Outer iteration   18 Inner iteration  56 Max. residual  8.775E-04
 Outer iteration   18 Inner iteration  57 Max. residual  8.776E-04
 Outer iteration   18 Inner iteration  58 Max. residual  9.477E-04
 Outer iteration   18 Inner iteration  59 Max. residual  3.280E-04
 Outer iteration   18 Inner iteration  60 Max. residual  2.601E-04
 Outer iteration   18 Inner iteration  61 Max. residual  3.800E-04
 Outer iteration   18 Inner iteration  62 Max. residual  5.025E-04
 Outer iteration   18 Inner iteration  63 Max. residual  5.099E-04
 Outer iteration   18 Inner iteration  64 Max. residual  5.090E-04
 Outer iteration   18 Inner iteration  65 Max. residual  4.770E-04
 Outer iteration   18 Inner iteration  66 Max. residual  4.738E-04
 Outer iteration   18 Inner iteration  67 Max. residual  5.055E-04
 Outer iteration   18 Inner iteration  68 Max. residual  5.102E-04
 Outer iteration   18 Inner iteration  69 Max. residual  5.628E-04
 Outer iteration   18 Inner iteration  70 Max. residual  1.036E-03
 Outer iteration   18 Inner iteration  71 Max. residual  5.079E-03
 Outer iteration   18 Inner iteration  72 Max. residual  7.942E-04
 Outer iteration   18 Inner iteration  73 Max. residual  3.414E-04
 Outer iteration   18 Inner iteration  74 Max. residual  2.371E-04
 Outer iteration   18 Inner iteration  75 Max. residual  1.835E-04
 Outer iteration   18 Inner iteration  76 Max. residual  1.321E-04
 Outer iteration   18 Inner iteration  77 Max. residual  7.093E-05

 CELL CONVERSIONS FOR ITER.= 19  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY(106, 37)   DRY(144,  5)   DRY(169, 83)   DRY(169, 84)
0
```

SOLUTION BY

CGSTAB-P

```
 Outer iteration   19 Inner iteration   1 Max. residual  1.003E+02
 Outer iteration   19 Inner iteration   2 Max. residual  5.689E+01
 Outer iteration   19 Inner iteration   3 Max. residual  1.677E+01
 Outer iteration   19 Inner iteration   4 Max. residual  1.262E+01
 Outer iteration   19 Inner iteration   5 Max. residual  5.010E+00
 Outer iteration   19 Inner iteration   6 Max. residual  6.265E+00
 Outer iteration   19 Inner iteration   7 Max. residual  3.118E+00
 Outer iteration   19 Inner iteration   8 Max. residual  1.291E+00
 Outer iteration   19 Inner iteration   9 Max. residual  9.870E-01
 Outer iteration   19 Inner iteration  10 Max. residual  4.324E-01
 Outer iteration   19 Inner iteration  11 Max. residual  1.747E-01
 Outer iteration   19 Inner iteration  12 Max. residual  2.088E-01
 Outer iteration   19 Inner iteration  13 Max. residual  2.134E-01
 Outer iteration   19 Inner iteration  14 Max. residual  8.812E-02
 Outer iteration   19 Inner iteration  15 Max. residual  4.054E-02
 Outer iteration   19 Inner iteration  16 Max. residual  4.005E-02
 Outer iteration   19 Inner iteration  17 Max. residual  3.899E-02
 Outer iteration   19 Inner iteration  18 Max. residual  4.419E-02
 Outer iteration   19 Inner iteration  19 Max. residual  3.423E-02
 Outer iteration   19 Inner iteration  20 Max. residual  3.113E-02
 Outer iteration   19 Inner iteration  21 Max. residual  2.995E-02
 Outer iteration   19 Inner iteration  22 Max. residual  2.998E-02
 Outer iteration   19 Inner iteration  23 Max. residual  2.981E-02
 Outer iteration   19 Inner iteration  24 Max. residual  2.924E-02
 Outer iteration   19 Inner iteration  25 Max. residual  2.876E-02
 Outer iteration   19 Inner iteration  26 Max. residual  2.872E-02
 Outer iteration   19 Inner iteration  27 Max. residual  2.777E-02
 Outer iteration   19 Inner iteration  28 Max. residual  2.650E-02
 Outer iteration   19 Inner iteration  29 Max. residual  2.605E-02
 Outer iteration   19 Inner iteration  30 Max. residual  2.422E-02
 Outer iteration   19 Inner iteration  31 Max. residual  2.782E-02
 Outer iteration   19 Inner iteration  32 Max. residual  1.390E-02
 Outer iteration   19 Inner iteration  33 Max. residual  1.296E-02
 Outer iteration   19 Inner iteration  34 Max. residual  2.154E-02
 Outer iteration   19 Inner iteration  35 Max. residual  5.363E-02
 Outer iteration   19 Inner iteration  36 Max. residual  2.323E-01
 Outer iteration   19 Inner iteration  37 Max. residual  5.999E-02
 Outer iteration   19 Inner iteration  38 Max. residual  5.818E-02
 Outer iteration   19 Inner iteration  39 Max. residual  1.623E-02
 Outer iteration   19 Inner iteration  40 Max. residual  1.350E-02
 Outer iteration   19 Inner iteration  41 Max. residual  1.329E-02
 Outer iteration   19 Inner iteration  42 Max. residual  1.202E-02
 Outer iteration   19 Inner iteration  43 Max. residual  1.203E-02
 Outer iteration   19 Inner iteration  44 Max. residual  4.511E-02
 Outer iteration   19 Inner iteration  45 Max. residual  1.280E-01
 Outer iteration   19 Inner iteration  46 Max. residual  2.286E-02
 Outer iteration   19 Inner iteration  47 Max. residual  1.876E-02
 Outer iteration   19 Inner iteration  48 Max. residual  2.491E-02
 Outer iteration   19 Inner iteration  49 Max. residual  1.308E-02
 Outer iteration   19 Inner iteration  50 Max. residual  2.313E-03
 Outer iteration   19 Inner iteration  51 Max. residual  2.769E-03
 Outer iteration   19 Inner iteration  52 Max. residual  1.278E-02
 Outer iteration   19 Inner iteration  53 Max. residual  5.840E-03
 Outer iteration   19 Inner iteration  54 Max. residual  6.175E-03
 Outer iteration   19 Inner iteration  55 Max. residual  6.205E-03
```

```
 Outer iteration   19 Inner iteration  56 Max. residual  6.140E-03
 Outer iteration   19 Inner iteration  57 Max. residual  6.177E-03
 Outer iteration   19 Inner iteration  58 Max. residual  4.971E-03
 Outer iteration   19 Inner iteration  59 Max. residual  5.219E-03
 Outer iteration   19 Inner iteration  60 Max. residual  5.157E-03
 Outer iteration   19 Inner iteration  61 Max. residual  4.786E-03
 Outer iteration   19 Inner iteration  62 Max. residual  4.784E-03
 Outer iteration   19 Inner iteration  63 Max. residual  4.760E-03
 Outer iteration   19 Inner iteration  64 Max. residual  9.654E-03
 Outer iteration   19 Inner iteration  65 Max. residual  4.413E-03
 Outer iteration   19 Inner iteration  66 Max. residual  1.339E-03
 Outer iteration   19 Inner iteration  67 Max. residual  5.250E-03
 Outer iteration   19 Inner iteration  68 Max. residual  4.321E-03
 Outer iteration   19 Inner iteration  69 Max. residual  6.554E-03
 Outer iteration   19 Inner iteration  70 Max. residual  2.864E-03
 Outer iteration   19 Inner iteration  71 Max. residual  3.179E-03
 Outer iteration   19 Inner iteration  72 Max. residual  5.479E-04
 Outer iteration   19 Inner iteration  73 Max. residual  4.433E-04
 Outer iteration   19 Inner iteration  74 Max. residual  3.463E-04
 Outer iteration   19 Inner iteration  75 Max. residual  3.424E-04
 Outer iteration   19 Inner iteration  76 Max. residual  4.011E-04
 Outer iteration   19 Inner iteration  77 Max. residual  3.892E-04
 Outer iteration   19 Inner iteration  78 Max. residual  4.136E-04
 Outer iteration   19 Inner iteration  79 Max. residual  1.397E-04
 Outer iteration   19 Inner iteration  80 Max. residual  2.962E-06

 CELL CONVERSIONS FOR ITER.= 20  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY(106, 40)   DRY(111, 37)   DRY(139,  3)   DRY(140,  3)
0


                                                          SOLUTION BY
CGSTAB-P
                                                          ----------------
---------------------------
 Outer iteration   20 Inner iteration   1 Max. residual  2.789E+02
 Outer iteration   20 Inner iteration   2 Max. residual  1.709E+02
 Outer iteration   20 Inner iteration   3 Max. residual  6.804E+01
 Outer iteration   20 Inner iteration   4 Max. residual  4.261E+01
 Outer iteration   20 Inner iteration   5 Max. residual  1.018E+01
 Outer iteration   20 Inner iteration   6 Max. residual  7.663E+00
 Outer iteration   20 Inner iteration   7 Max. residual  2.507E+00
 Outer iteration   20 Inner iteration   8 Max. residual  1.759E+00
 Outer iteration   20 Inner iteration   9 Max. residual  1.290E+00
 Outer iteration   20 Inner iteration  10 Max. residual  1.120E+00
 Outer iteration   20 Inner iteration  11 Max. residual  1.413E+00
 Outer iteration   20 Inner iteration  12 Max. residual  1.296E+01
 Outer iteration   20 Inner iteration  13 Max. residual  5.079E-01
 Outer iteration   20 Inner iteration  14 Max. residual  1.672E-01
 Outer iteration   20 Inner iteration  15 Max. residual  8.443E-02
 Outer iteration   20 Inner iteration  16 Max. residual  5.348E-02
 Outer iteration   20 Inner iteration  17 Max. residual  3.534E-02
 Outer iteration   20 Inner iteration  18 Max. residual  3.042E-02
 Outer iteration   20 Inner iteration  19 Max. residual  2.997E-02
 Outer iteration   20 Inner iteration  20 Max. residual  2.963E-02
 Outer iteration   20 Inner iteration  21 Max. residual  2.712E-02
 Outer iteration   20 Inner iteration  22 Max. residual  2.664E-02
 Outer iteration   20 Inner iteration  23 Max. residual  2.682E-02
 Outer iteration   20 Inner iteration  24 Max. residual  2.224E-02
```

```
 Outer iteration   20 Inner iteration  25 Max. residual  2.139E-02
 Outer iteration   20 Inner iteration  26 Max. residual  1.990E-02
 Outer iteration   20 Inner iteration  27 Max. residual  1.920E-02
 Outer iteration   20 Inner iteration  28 Max. residual  1.816E-02
 Outer iteration   20 Inner iteration  29 Max. residual  1.767E-02
 Outer iteration   20 Inner iteration  30 Max. residual  1.573E-02
 Outer iteration   20 Inner iteration  31 Max. residual  1.482E-02
 Outer iteration   20 Inner iteration  32 Max. residual  1.466E-02
 Outer iteration   20 Inner iteration  33 Max. residual  1.603E-02
 Outer iteration   20 Inner iteration  34 Max. residual  1.469E-02
 Outer iteration   20 Inner iteration  35 Max. residual  1.467E-02
 Outer iteration   20 Inner iteration  36 Max. residual  1.330E-02
 Outer iteration   20 Inner iteration  37 Max. residual  7.732E-03
 Outer iteration   20 Inner iteration  38 Max. residual  1.753E-02
 Outer iteration   20 Inner iteration  39 Max. residual  2.558E-02
 Outer iteration   20 Inner iteration  40 Max. residual  2.341E-02
 Outer iteration   20 Inner iteration  41 Max. residual  1.762E-02
 Outer iteration   20 Inner iteration  42 Max. residual  2.872E-02
 Outer iteration   20 Inner iteration  43 Max. residual  1.277E-02
 Outer iteration   20 Inner iteration  44 Max. residual  7.113E-03
 Outer iteration   20 Inner iteration  45 Max. residual  5.959E-03
 Outer iteration   20 Inner iteration  46 Max. residual  5.821E-03
 Outer iteration   20 Inner iteration  47 Max. residual  5.774E-03
 Outer iteration   20 Inner iteration  48 Max. residual  5.795E-03
 Outer iteration   20 Inner iteration  49 Max. residual  6.304E-03
 Outer iteration   20 Inner iteration  50 Max. residual  3.981E-03
 Outer iteration   20 Inner iteration  51 Max. residual  4.047E-03
 Outer iteration   20 Inner iteration  52 Max. residual  2.111E-03
 Outer iteration   20 Inner iteration  53 Max. residual  2.288E-03
 Outer iteration   20 Inner iteration  54 Max. residual  2.361E-03
 Outer iteration   20 Inner iteration  55 Max. residual  2.421E-03
 Outer iteration   20 Inner iteration  56 Max. residual  2.327E-03
 Outer iteration   20 Inner iteration  57 Max. residual  2.339E-03
 Outer iteration   20 Inner iteration  58 Max. residual  2.246E-03
 Outer iteration   20 Inner iteration  59 Max. residual  2.876E-03
 Outer iteration   20 Inner iteration  60 Max. residual  1.950E-03
 Outer iteration   20 Inner iteration  61 Max. residual  1.990E-03
 Outer iteration   20 Inner iteration  62 Max. residual  2.006E-03
 Outer iteration   20 Inner iteration  63 Max. residual  2.005E-03
 Outer iteration   20 Inner iteration  64 Max. residual  1.996E-03
 Outer iteration   20 Inner iteration  65 Max. residual  1.968E-03
 Outer iteration   20 Inner iteration  66 Max. residual  1.906E-03
 Outer iteration   20 Inner iteration  67 Max. residual  1.824E-03
 Outer iteration   20 Inner iteration  68 Max. residual  1.706E-03
 Outer iteration   20 Inner iteration  69 Max. residual  1.443E-03
 Outer iteration   20 Inner iteration  70 Max. residual  1.126E-03
 Outer iteration   20 Inner iteration  71 Max. residual  8.893E-04
 Outer iteration   20 Inner iteration  72 Max. residual  6.456E-04
 Outer iteration   20 Inner iteration  73 Max. residual  4.780E-04
 Outer iteration   20 Inner iteration  74 Max. residual  3.873E-04
 Outer iteration   20 Inner iteration  75 Max. residual  3.200E-04
 Outer iteration   20 Inner iteration  76 Max. residual  2.508E-04
 Outer iteration   20 Inner iteration  77 Max. residual  1.887E-04
 Outer iteration   20 Inner iteration  78 Max. residual  1.538E-04
 Outer iteration   20 Inner iteration  79 Max. residual  1.061E-04
 Outer iteration   20 Inner iteration  80 Max. residual  6.995E-05

 CELL CONVERSIONS FOR ITER.= 21  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 15, 99)   DRY(145,  7)   DRY(148, 12)   DRY(181, 93)
```

0

SOLUTION BY

CGSTAB-P

```
 Outer iteration   21 Inner iteration   1 Max. residual  1.170E+02
 Outer iteration   21 Inner iteration   2 Max. residual  8.169E+01
 Outer iteration   21 Inner iteration   3 Max. residual  3.572E+01
 Outer iteration   21 Inner iteration   4 Max. residual  2.131E+01
 Outer iteration   21 Inner iteration   5 Max. residual  5.560E+00
 Outer iteration   21 Inner iteration   6 Max. residual  3.654E+00
 Outer iteration   21 Inner iteration   7 Max. residual  1.807E+00
 Outer iteration   21 Inner iteration   8 Max. residual  1.309E+00
 Outer iteration   21 Inner iteration   9 Max. residual  7.536E-01
 Outer iteration   21 Inner iteration  10 Max. residual  5.956E-01
 Outer iteration   21 Inner iteration  11 Max. residual  4.129E-01
 Outer iteration   21 Inner iteration  12 Max. residual  2.239E-01
 Outer iteration   21 Inner iteration  13 Max. residual  1.461E-01
 Outer iteration   21 Inner iteration  14 Max. residual  6.674E-02
 Outer iteration   21 Inner iteration  15 Max. residual  3.358E-02
 Outer iteration   21 Inner iteration  16 Max. residual  2.685E-02
 Outer iteration   21 Inner iteration  17 Max. residual  2.561E-02
 Outer iteration   21 Inner iteration  18 Max. residual  2.558E-02
 Outer iteration   21 Inner iteration  19 Max. residual  2.522E-02
 Outer iteration   21 Inner iteration  20 Max. residual  2.434E-02
 Outer iteration   21 Inner iteration  21 Max. residual  2.421E-02
 Outer iteration   21 Inner iteration  22 Max. residual  2.350E-02
 Outer iteration   21 Inner iteration  23 Max. residual  2.296E-02
 Outer iteration   21 Inner iteration  24 Max. residual  2.143E-02
 Outer iteration   21 Inner iteration  25 Max. residual  2.021E-02
 Outer iteration   21 Inner iteration  26 Max. residual  1.864E-02
 Outer iteration   21 Inner iteration  27 Max. residual  1.454E-02
 Outer iteration   21 Inner iteration  28 Max. residual  9.709E-03
 Outer iteration   21 Inner iteration  29 Max. residual  9.456E-03
 Outer iteration   21 Inner iteration  30 Max. residual  9.791E-03
 Outer iteration   21 Inner iteration  31 Max. residual  9.211E-03
 Outer iteration   21 Inner iteration  32 Max. residual  7.195E-03
 Outer iteration   21 Inner iteration  33 Max. residual  7.144E-03
 Outer iteration   21 Inner iteration  34 Max. residual  5.411E-03
 Outer iteration   21 Inner iteration  35 Max. residual  1.099E-02
 Outer iteration   21 Inner iteration  36 Max. residual  1.173E-02
 Outer iteration   21 Inner iteration  37 Max. residual  1.190E-02
 Outer iteration   21 Inner iteration  38 Max. residual  1.169E-02
 Outer iteration   21 Inner iteration  39 Max. residual  1.096E-02
 Outer iteration   21 Inner iteration  40 Max. residual  1.298E-02
 Outer iteration   21 Inner iteration  41 Max. residual  1.049E-02
 Outer iteration   21 Inner iteration  42 Max. residual  1.022E-02
 Outer iteration   21 Inner iteration  43 Max. residual  9.898E-03
 Outer iteration   21 Inner iteration  44 Max. residual  1.055E-02
 Outer iteration   21 Inner iteration  45 Max. residual  1.135E-02
 Outer iteration   21 Inner iteration  46 Max. residual  9.838E-03
 Outer iteration   21 Inner iteration  47 Max. residual  9.337E-04
 Outer iteration   21 Inner iteration  48 Max. residual  4.627E-03
 Outer iteration   21 Inner iteration  49 Max. residual  2.286E-02
 Outer iteration   21 Inner iteration  50 Max. residual  7.166E-02
 Outer iteration   21 Inner iteration  51 Max. residual  2.189E-02
 Outer iteration   21 Inner iteration  52 Max. residual  2.141E-02
 Outer iteration   21 Inner iteration  53 Max. residual  2.494E-02
```

```
 Outer iteration   21 Inner iteration  54 Max. residual  2.378E-02
 Outer iteration   21 Inner iteration  55 Max. residual  2.228E-02
 Outer iteration   21 Inner iteration  56 Max. residual  2.187E-02
 Outer iteration   21 Inner iteration  57 Max. residual  2.162E-02
 Outer iteration   21 Inner iteration  58 Max. residual  1.993E-02
 Outer iteration   21 Inner iteration  59 Max. residual  1.014E-02
 Outer iteration   21 Inner iteration  60 Max. residual  5.095E-02
 Outer iteration   21 Inner iteration  61 Max. residual  3.506E-01
 Outer iteration   21 Inner iteration  62 Max. residual  1.610E+00
 Outer iteration   21 Inner iteration  63 Max. residual  1.565E+00
 Outer iteration   21 Inner iteration  64 Max. residual  3.530E-01
 Outer iteration   21 Inner iteration  65 Max. residual  2.461E-02
 Outer iteration   21 Inner iteration  66 Max. residual  1.163E-02
 Outer iteration   21 Inner iteration  67 Max. residual  4.088E-02
 Outer iteration   21 Inner iteration  68 Max. residual  4.719E-02
 Outer iteration   21 Inner iteration  69 Max. residual  3.140E-04
 Outer iteration   21 Inner iteration  70 Max. residual  4.823E-04
 Outer iteration   21 Inner iteration  71 Max. residual  4.825E-04
 Outer iteration   21 Inner iteration  72 Max. residual  6.226E-04
 Outer iteration   21 Inner iteration  73 Max. residual  1.582E-03
 Outer iteration   21 Inner iteration  74 Max. residual  3.711E-04
 Outer iteration   21 Inner iteration  75 Max. residual  3.756E-04
 Outer iteration   21 Inner iteration  76 Max. residual  7.808E-05

 CELL CONVERSIONS FOR ITER.= 22  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY(111, 38)
0


                                                        SOLUTION BY
CGSTAB-P
                                                        ----------------
----------------------------
 Outer iteration   22 Inner iteration   1 Max. residual  3.588E+02
 Outer iteration   22 Inner iteration   2 Max. residual  2.278E+02
 Outer iteration   22 Inner iteration   3 Max. residual  9.679E+01
 Outer iteration   22 Inner iteration   4 Max. residual  6.094E+01
 Outer iteration   22 Inner iteration   5 Max. residual  1.895E+01
 Outer iteration   22 Inner iteration   6 Max. residual  1.429E+01
 Outer iteration   22 Inner iteration   7 Max. residual  4.670E+00
 Outer iteration   22 Inner iteration   8 Max. residual  3.428E+00
 Outer iteration   22 Inner iteration   9 Max. residual  2.574E+00
 Outer iteration   22 Inner iteration  10 Max. residual  2.218E+00
 Outer iteration   22 Inner iteration  11 Max. residual  3.342E+00
 Outer iteration   22 Inner iteration  12 Max. residual  9.069E+00
 Outer iteration   22 Inner iteration  13 Max. residual  6.573E-01
 Outer iteration   22 Inner iteration  14 Max. residual  2.052E-01
 Outer iteration   22 Inner iteration  15 Max. residual  8.240E-02
 Outer iteration   22 Inner iteration  16 Max. residual  3.164E-02
 Outer iteration   22 Inner iteration  17 Max. residual  2.026E-02
 Outer iteration   22 Inner iteration  18 Max. residual  2.012E-02
 Outer iteration   22 Inner iteration  19 Max. residual  1.976E-02
 Outer iteration   22 Inner iteration  20 Max. residual  1.967E-02
 Outer iteration   22 Inner iteration  21 Max. residual  1.948E-02
 Outer iteration   22 Inner iteration  22 Max. residual  1.939E-02
 Outer iteration   22 Inner iteration  23 Max. residual  1.916E-02
 Outer iteration   22 Inner iteration  24 Max. residual  2.209E-02
 Outer iteration   22 Inner iteration  25 Max. residual  2.196E-02
 Outer iteration   22 Inner iteration  26 Max. residual  2.052E-02
```

```
 Outer iteration   22 Inner iteration  27 Max. residual  1.411E-02
 Outer iteration   22 Inner iteration  28 Max. residual  1.255E-02
 Outer iteration   22 Inner iteration  29 Max. residual  1.389E-02
 Outer iteration   22 Inner iteration  30 Max. residual  1.054E-02
 Outer iteration   22 Inner iteration  31 Max. residual  1.045E-02
 Outer iteration   22 Inner iteration  32 Max. residual  7.545E-03
 Outer iteration   22 Inner iteration  33 Max. residual  6.849E-03
 Outer iteration   22 Inner iteration  34 Max. residual  5.532E-03
 Outer iteration   22 Inner iteration  35 Max. residual  5.380E-03
 Outer iteration   22 Inner iteration  36 Max. residual  5.343E-03
 Outer iteration   22 Inner iteration  37 Max. residual  5.476E-03
 Outer iteration   22 Inner iteration  38 Max. residual  5.462E-03
 Outer iteration   22 Inner iteration  39 Max. residual  5.377E-03
 Outer iteration   22 Inner iteration  40 Max. residual  1.168E-02
 Outer iteration   22 Inner iteration  41 Max. residual  6.014E-03
 Outer iteration   22 Inner iteration  42 Max. residual  5.956E-03
 Outer iteration   22 Inner iteration  43 Max. residual  5.943E-03
 Outer iteration   22 Inner iteration  44 Max. residual  5.962E-03
 Outer iteration   22 Inner iteration  45 Max. residual  5.836E-03
 Outer iteration   22 Inner iteration  46 Max. residual  5.515E-03
 Outer iteration   22 Inner iteration  47 Max. residual  5.415E-03
 Outer iteration   22 Inner iteration  48 Max. residual  5.341E-03
 Outer iteration   22 Inner iteration  49 Max. residual  4.569E-03
 Outer iteration   22 Inner iteration  50 Max. residual  1.032E-02
 Outer iteration   22 Inner iteration  51 Max. residual  8.597E-03
 Outer iteration   22 Inner iteration  52 Max. residual  4.587E-03
 Outer iteration   22 Inner iteration  53 Max. residual  1.852E-02
 Outer iteration   22 Inner iteration  54 Max. residual  1.945E-02
 Outer iteration   22 Inner iteration  55 Max. residual  1.075E-02
 Outer iteration   22 Inner iteration  56 Max. residual  1.136E-02
 Outer iteration   22 Inner iteration  57 Max. residual  1.171E-02
 Outer iteration   22 Inner iteration  58 Max. residual  1.181E-02
 Outer iteration   22 Inner iteration  59 Max. residual  1.548E-01
 Outer iteration   22 Inner iteration  60 Max. residual  2.242E-03
 Outer iteration   22 Inner iteration  61 Max. residual  2.901E-03
 Outer iteration   22 Inner iteration  62 Max. residual  3.184E-03
 Outer iteration   22 Inner iteration  63 Max. residual  3.001E-03
 Outer iteration   22 Inner iteration  64 Max. residual  3.003E-03
 Outer iteration   22 Inner iteration  65 Max. residual  3.158E-03
 Outer iteration   22 Inner iteration  66 Max. residual  4.135E-03
 Outer iteration   22 Inner iteration  67 Max. residual  1.674E-02
 Outer iteration   22 Inner iteration  68 Max. residual  4.990E-03
 Outer iteration   22 Inner iteration  69 Max. residual  8.731E-04
 Outer iteration   22 Inner iteration  70 Max. residual  2.463E-04
 Outer iteration   22 Inner iteration  71 Max. residual  1.344E-04
 Outer iteration   22 Inner iteration  72 Max. residual  8.408E-05

 CELL CONVERSIONS FOR ITER.= 23  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY(106, 33)   DRY(178, 91)
0


                                                        SOLUTION BY
CGSTAB-P
                                                        ----------------
----------------------------
 Outer iteration   23 Inner iteration   1 Max. residual  2.405E+02
 Outer iteration   23 Inner iteration   2 Max. residual  1.602E+02
 Outer iteration   23 Inner iteration   3 Max. residual  7.376E+01
```

```
Outer iteration   23 Inner iteration   4 Max. residual  4.389E+01
Outer iteration   23 Inner iteration   5 Max. residual  1.371E+01
Outer iteration   23 Inner iteration   6 Max. residual  9.882E+00
Outer iteration   23 Inner iteration   7 Max. residual  4.027E+00
Outer iteration   23 Inner iteration   8 Max. residual  2.840E+00
Outer iteration   23 Inner iteration   9 Max. residual  1.510E+00
Outer iteration   23 Inner iteration  10 Max. residual  1.076E+00
Outer iteration   23 Inner iteration  11 Max. residual  7.929E-01
Outer iteration   23 Inner iteration  12 Max. residual  4.626E-01
Outer iteration   23 Inner iteration  13 Max. residual  3.153E-01
Outer iteration   23 Inner iteration  14 Max. residual  1.457E-01
Outer iteration   23 Inner iteration  15 Max. residual  2.881E-02
Outer iteration   23 Inner iteration  16 Max. residual  1.705E-01
Outer iteration   23 Inner iteration  17 Max. residual  3.161E-02
Outer iteration   23 Inner iteration  18 Max. residual  1.114E-02
Outer iteration   23 Inner iteration  19 Max. residual  1.109E-02
Outer iteration   23 Inner iteration  20 Max. residual  1.078E-02
Outer iteration   23 Inner iteration  21 Max. residual  1.070E-02
Outer iteration   23 Inner iteration  22 Max. residual  1.057E-02
Outer iteration   23 Inner iteration  23 Max. residual  1.049E-02
Outer iteration   23 Inner iteration  24 Max. residual  1.029E-02
Outer iteration   23 Inner iteration  25 Max. residual  1.105E-02
Outer iteration   23 Inner iteration  26 Max. residual  7.612E-03
Outer iteration   23 Inner iteration  27 Max. residual  5.514E-03
Outer iteration   23 Inner iteration  28 Max. residual  4.696E-03
Outer iteration   23 Inner iteration  29 Max. residual  5.579E-03
Outer iteration   23 Inner iteration  30 Max. residual  5.487E-03
Outer iteration   23 Inner iteration  31 Max. residual  5.478E-03
Outer iteration   23 Inner iteration  32 Max. residual  5.477E-03
Outer iteration   23 Inner iteration  33 Max. residual  5.457E-03
Outer iteration   23 Inner iteration  34 Max. residual  5.428E-03
Outer iteration   23 Inner iteration  35 Max. residual  5.526E-03
Outer iteration   23 Inner iteration  36 Max. residual  6.148E-03
Outer iteration   23 Inner iteration  37 Max. residual  5.401E-03
Outer iteration   23 Inner iteration  38 Max. residual  5.375E-03
Outer iteration   23 Inner iteration  39 Max. residual  5.291E-03
Outer iteration   23 Inner iteration  40 Max. residual  5.297E-03
Outer iteration   23 Inner iteration  41 Max. residual  5.279E-03
Outer iteration   23 Inner iteration  42 Max. residual  5.287E-03
Outer iteration   23 Inner iteration  43 Max. residual  5.251E-03
Outer iteration   23 Inner iteration  44 Max. residual  5.205E-03
Outer iteration   23 Inner iteration  45 Max. residual  5.320E-03
Outer iteration   23 Inner iteration  46 Max. residual  6.904E-03
Outer iteration   23 Inner iteration  47 Max. residual  9.574E-04
Outer iteration   23 Inner iteration  48 Max. residual  1.560E-03
Outer iteration   23 Inner iteration  49 Max. residual  3.811E-04
Outer iteration   23 Inner iteration  50 Max. residual  8.471E-04
Outer iteration   23 Inner iteration  51 Max. residual  1.541E-03
Outer iteration   23 Inner iteration  52 Max. residual  1.833E-03
Outer iteration   23 Inner iteration  53 Max. residual  1.926E-03
Outer iteration   23 Inner iteration  54 Max. residual  2.041E-03
Outer iteration   23 Inner iteration  55 Max. residual  2.044E-03
Outer iteration   23 Inner iteration  56 Max. residual  2.047E-03
Outer iteration   23 Inner iteration  57 Max. residual  1.354E-03
Outer iteration   23 Inner iteration  58 Max. residual  8.802E-04
Outer iteration   23 Inner iteration  59 Max. residual  8.455E-04
Outer iteration   23 Inner iteration  60 Max. residual  8.112E-04
Outer iteration   23 Inner iteration  61 Max. residual  7.666E-04
Outer iteration   23 Inner iteration  62 Max. residual  9.197E-04
Outer iteration   23 Inner iteration  63 Max. residual  8.412E-04
```

```
 Outer iteration   23 Inner iteration  64 Max. residual  1.189E-03
 Outer iteration   23 Inner iteration  65 Max. residual  1.089E-03
 Outer iteration   23 Inner iteration  66 Max. residual  9.681E-04
 Outer iteration   23 Inner iteration  67 Max. residual  9.659E-04
 Outer iteration   23 Inner iteration  68 Max. residual  9.232E-04
 Outer iteration   23 Inner iteration  69 Max. residual  7.791E-04
 Outer iteration   23 Inner iteration  70 Max. residual  5.693E-04
 Outer iteration   23 Inner iteration  71 Max. residual  3.865E-04
 Outer iteration   23 Inner iteration  72 Max. residual  1.229E-04
 Outer iteration   23 Inner iteration  73 Max. residual  1.108E-04
 Outer iteration   23 Inner iteration  74 Max. residual  9.939E-05

 CELL CONVERSIONS FOR ITER.= 24  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY(106, 36)
0


                                                          SOLUTION BY
CGSTAB-P
                                                          ----------
---------------------------
 Outer iteration   24 Inner iteration   1 Max. residual  2.996E+02
 Outer iteration   24 Inner iteration   2 Max. residual  1.897E+02
 Outer iteration   24 Inner iteration   3 Max. residual  8.284E+01
 Outer iteration   24 Inner iteration   4 Max. residual  5.195E+01
 Outer iteration   24 Inner iteration   5 Max. residual  1.686E+01
 Outer iteration   24 Inner iteration   6 Max. residual  1.179E+01
 Outer iteration   24 Inner iteration   7 Max. residual  4.145E+00
 Outer iteration   24 Inner iteration   8 Max. residual  2.988E+00
 Outer iteration   24 Inner iteration   9 Max. residual  2.244E+00
 Outer iteration   24 Inner iteration  10 Max. residual  1.968E+00
 Outer iteration   24 Inner iteration  11 Max. residual  2.953E+00
 Outer iteration   24 Inner iteration  12 Max. residual  6.780E+00
 Outer iteration   24 Inner iteration  13 Max. residual  6.473E-01
 Outer iteration   24 Inner iteration  14 Max. residual  2.102E-01
 Outer iteration   24 Inner iteration  15 Max. residual  1.700E-01
 Outer iteration   24 Inner iteration  16 Max. residual  1.691E-01
 Outer iteration   24 Inner iteration  17 Max. residual  1.677E-01
 Outer iteration   24 Inner iteration  18 Max. residual  1.658E-01
 Outer iteration   24 Inner iteration  19 Max. residual  1.624E-01
 Outer iteration   24 Inner iteration  20 Max. residual  1.591E-01
 Outer iteration   24 Inner iteration  21 Max. residual  1.535E-01
 Outer iteration   24 Inner iteration  22 Max. residual  1.413E-01
 Outer iteration   24 Inner iteration  23 Max. residual  1.267E-01
 Outer iteration   24 Inner iteration  24 Max. residual  1.437E-01
 Outer iteration   24 Inner iteration  25 Max. residual  1.435E-01
 Outer iteration   24 Inner iteration  26 Max. residual  1.406E-01
 Outer iteration   24 Inner iteration  27 Max. residual  1.273E-01
 Outer iteration   24 Inner iteration  28 Max. residual  5.467E-02
 Outer iteration   24 Inner iteration  29 Max. residual  1.149E+00
 Outer iteration   24 Inner iteration  30 Max. residual  1.262E+00
 Outer iteration   24 Inner iteration  31 Max. residual  3.428E-02
 Outer iteration   24 Inner iteration  32 Max. residual  3.235E-02
 Outer iteration   24 Inner iteration  33 Max. residual  2.909E-02
 Outer iteration   24 Inner iteration  34 Max. residual  2.838E-02
 Outer iteration   24 Inner iteration  35 Max. residual  2.644E-02
 Outer iteration   24 Inner iteration  36 Max. residual  2.503E-02
 Outer iteration   24 Inner iteration  37 Max. residual  9.453E-02
 Outer iteration   24 Inner iteration  38 Max. residual  4.281E-02
```

```
 Outer iteration   24 Inner iteration  39 Max. residual  1.485E-02
 Outer iteration   24 Inner iteration  40 Max. residual  1.355E-02
 Outer iteration   24 Inner iteration  41 Max. residual  8.378E-03
 Outer iteration   24 Inner iteration  42 Max. residual  5.551E-03
 Outer iteration   24 Inner iteration  43 Max. residual  4.429E-03
 Outer iteration   24 Inner iteration  44 Max. residual  4.071E-03
 Outer iteration   24 Inner iteration  45 Max. residual  3.785E-03
 Outer iteration   24 Inner iteration  46 Max. residual  2.349E-03
 Outer iteration   24 Inner iteration  47 Max. residual  3.709E-03
 Outer iteration   24 Inner iteration  48 Max. residual  2.793E-03
 Outer iteration   24 Inner iteration  49 Max. residual  4.646E-04
 Outer iteration   24 Inner iteration  50 Max. residual  4.546E-04
 Outer iteration   24 Inner iteration  51 Max. residual  1.607E-04
 Outer iteration   24 Inner iteration  52 Max. residual  1.055E-04
 Outer iteration   24 Inner iteration  53 Max. residual  1.135E-04
 Outer iteration   24 Inner iteration  54 Max. residual  1.111E-04
 Outer iteration   24 Inner iteration  55 Max. residual  7.742E-05

 CELL CONVERSIONS FOR ITER.= 25  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY(112, 43)   DRY(113, 43)   DRY(114, 43)   DRY(115, 43)   DRY(116,
39)
    DRY(116, 40)   DRY(116, 41)   DRY(116, 42)
0


                                                          SOLUTION BY
CGSTAB-P
                                                          ----------------
----------------------------
 Outer iteration   25 Inner iteration   1 Max. residual  2.298E+02
 Outer iteration   25 Inner iteration   2 Max. residual  1.491E+02
 Outer iteration   25 Inner iteration   3 Max. residual  7.045E+01
 Outer iteration   25 Inner iteration   4 Max. residual  4.173E+01
 Outer iteration   25 Inner iteration   5 Max. residual  1.422E+01
 Outer iteration   25 Inner iteration   6 Max. residual  1.047E+01
 Outer iteration   25 Inner iteration   7 Max. residual  4.043E+00
 Outer iteration   25 Inner iteration   8 Max. residual  2.917E+00
 Outer iteration   25 Inner iteration   9 Max. residual  1.603E+00
 Outer iteration   25 Inner iteration  10 Max. residual  1.139E+00
 Outer iteration   25 Inner iteration  11 Max. residual  7.758E-01
 Outer iteration   25 Inner iteration  12 Max. residual  5.110E-01
 Outer iteration   25 Inner iteration  13 Max. residual  3.278E-01
 Outer iteration   25 Inner iteration  14 Max. residual  2.031E-01
 Outer iteration   25 Inner iteration  15 Max. residual  1.995E-01
 Outer iteration   25 Inner iteration  16 Max. residual  1.968E-01
 Outer iteration   25 Inner iteration  17 Max. residual  1.888E-01
 Outer iteration   25 Inner iteration  18 Max. residual  1.678E-01
 Outer iteration   25 Inner iteration  19 Max. residual  1.607E-01
 Outer iteration   25 Inner iteration  20 Max. residual  1.560E-01
 Outer iteration   25 Inner iteration  21 Max. residual  1.644E-01
 Outer iteration   25 Inner iteration  22 Max. residual  1.618E-01
 Outer iteration   25 Inner iteration  23 Max. residual  1.155E-01
 Outer iteration   25 Inner iteration  24 Max. residual  9.326E-02
 Outer iteration   25 Inner iteration  25 Max. residual  8.777E-02
 Outer iteration   25 Inner iteration  26 Max. residual  8.280E-02
 Outer iteration   25 Inner iteration  27 Max. residual  7.751E-02
 Outer iteration   25 Inner iteration  28 Max. residual  6.870E-02
 Outer iteration   25 Inner iteration  29 Max. residual  4.343E-02
 Outer iteration   25 Inner iteration  30 Max. residual  3.229E-02
```

```
 Outer iteration   25 Inner iteration  31 Max. residual  3.043E-02
 Outer iteration   25 Inner iteration  32 Max. residual  2.794E-02
 Outer iteration   25 Inner iteration  33 Max. residual  1.784E-02
 Outer iteration   25 Inner iteration  34 Max. residual  1.153E-02
 Outer iteration   25 Inner iteration  35 Max. residual  1.605E-02
 Outer iteration   25 Inner iteration  36 Max. residual  1.316E-02
 Outer iteration   25 Inner iteration  37 Max. residual  1.267E-02
 Outer iteration   25 Inner iteration  38 Max. residual  9.683E-02
 Outer iteration   25 Inner iteration  39 Max. residual  1.550E-02
 Outer iteration   25 Inner iteration  40 Max. residual  3.187E-03
 Outer iteration   25 Inner iteration  41 Max. residual  3.259E-03
 Outer iteration   25 Inner iteration  42 Max. residual  3.156E-03
 Outer iteration   25 Inner iteration  43 Max. residual  2.377E-03
 Outer iteration   25 Inner iteration  44 Max. residual  5.015E-03
 Outer iteration   25 Inner iteration  45 Max. residual  4.314E-03
 Outer iteration   25 Inner iteration  46 Max. residual  9.159E-04
 Outer iteration   25 Inner iteration  47 Max. residual  7.432E-04
 Outer iteration   25 Inner iteration  48 Max. residual  1.786E-03
 Outer iteration   25 Inner iteration  49 Max. residual  3.782E-04
 Outer iteration   25 Inner iteration  50 Max. residual  3.317E-04
 Outer iteration   25 Inner iteration  51 Max. residual  2.003E-04
 Outer iteration   25 Inner iteration  52 Max. residual  7.464E-05

 CELL CONVERSIONS FOR ITER.= 26  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY(132, 80)   DRY(163, 75)
0


                                                          SOLUTION BY
CGSTAB-P
                                                          ----------------
---------------------------
 Outer iteration   26 Inner iteration   1 Max. residual  2.634E+02
 Outer iteration   26 Inner iteration   2 Max. residual  1.658E+02
 Outer iteration   26 Inner iteration   3 Max. residual  7.459E+01
 Outer iteration   26 Inner iteration   4 Max. residual  4.623E+01
 Outer iteration   26 Inner iteration   5 Max. residual  1.594E+01
 Outer iteration   26 Inner iteration   6 Max. residual  1.043E+01
 Outer iteration   26 Inner iteration   7 Max. residual  3.889E+00
 Outer iteration   26 Inner iteration   8 Max. residual  2.791E+00
 Outer iteration   26 Inner iteration   9 Max. residual  2.073E+00
 Outer iteration   26 Inner iteration  10 Max. residual  1.817E+00
 Outer iteration   26 Inner iteration  11 Max. residual  2.527E+00
 Outer iteration   26 Inner iteration  12 Max. residual  4.984E+00
 Outer iteration   26 Inner iteration  13 Max. residual  5.215E-01
 Outer iteration   26 Inner iteration  14 Max. residual  1.449E-01
 Outer iteration   26 Inner iteration  15 Max. residual  7.754E-02
 Outer iteration   26 Inner iteration  16 Max. residual  5.941E-02
 Outer iteration   26 Inner iteration  17 Max. residual  1.337E-01
 Outer iteration   26 Inner iteration  18 Max. residual  4.477E-02
 Outer iteration   26 Inner iteration  19 Max. residual  4.478E-02
 Outer iteration   26 Inner iteration  20 Max. residual  4.429E-02
 Outer iteration   26 Inner iteration  21 Max. residual  4.414E-02
 Outer iteration   26 Inner iteration  22 Max. residual  4.363E-02
 Outer iteration   26 Inner iteration  23 Max. residual  4.228E-02
 Outer iteration   26 Inner iteration  24 Max. residual  3.831E-02
 Outer iteration   26 Inner iteration  25 Max. residual  2.972E-02
 Outer iteration   26 Inner iteration  26 Max. residual  3.135E-02
 Outer iteration   26 Inner iteration  27 Max. residual  3.145E-02
```

```
 Outer iteration   26 Inner iteration  28 Max. residual  2.999E-02
 Outer iteration   26 Inner iteration  29 Max. residual  2.816E-02
 Outer iteration   26 Inner iteration  30 Max. residual  2.387E-02
 Outer iteration   26 Inner iteration  31 Max. residual  1.818E-02
 Outer iteration   26 Inner iteration  32 Max. residual  2.330E-02
 Outer iteration   26 Inner iteration  33 Max. residual  1.188E-02
 Outer iteration   26 Inner iteration  34 Max. residual  1.094E-02
 Outer iteration   26 Inner iteration  35 Max. residual  6.767E-03
 Outer iteration   26 Inner iteration  36 Max. residual  6.430E-03
 Outer iteration   26 Inner iteration  37 Max. residual  5.896E-03
 Outer iteration   26 Inner iteration  38 Max. residual  4.982E-03
 Outer iteration   26 Inner iteration  39 Max. residual  4.499E-03
 Outer iteration   26 Inner iteration  40 Max. residual  3.790E-03
 Outer iteration   26 Inner iteration  41 Max. residual  3.206E-03
 Outer iteration   26 Inner iteration  42 Max. residual  1.082E-02
 Outer iteration   26 Inner iteration  43 Max. residual  8.086E-03
 Outer iteration   26 Inner iteration  44 Max. residual  9.605E-04
 Outer iteration   26 Inner iteration  45 Max. residual  5.008E-04
 Outer iteration   26 Inner iteration  46 Max. residual  5.330E-04
 Outer iteration   26 Inner iteration  47 Max. residual  6.576E-04
 Outer iteration   26 Inner iteration  48 Max. residual  6.671E-04
 Outer iteration   26 Inner iteration  49 Max. residual  4.396E-04
 Outer iteration   26 Inner iteration  50 Max. residual  4.381E-04
 Outer iteration   26 Inner iteration  51 Max. residual  5.914E-04
 Outer iteration   26 Inner iteration  52 Max. residual  1.414E-04
 Outer iteration   26 Inner iteration  53 Max. residual  5.485E-03
 Outer iteration   26 Inner iteration  54 Max. residual  4.370E-04
 Outer iteration   26 Inner iteration  55 Max. residual  4.437E-04
 Outer iteration   26 Inner iteration  56 Max. residual  1.231E-04
 Outer iteration   26 Inner iteration  57 Max. residual  7.035E-05

 CELL CONVERSIONS FOR ITER.= 27  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 96, 34)   DRY(116, 30)
0


                                                          SOLUTION BY
CGSTAB-P
                                                          ----------------
---------------------------
 Outer iteration   27 Inner iteration   1 Max. residual  3.050E+02
 Outer iteration   27 Inner iteration   2 Max. residual  1.993E+02
 Outer iteration   27 Inner iteration   3 Max. residual  9.666E+01
 Outer iteration   27 Inner iteration   4 Max. residual  5.687E+01
 Outer iteration   27 Inner iteration   5 Max. residual  2.282E+01
 Outer iteration   27 Inner iteration   6 Max. residual  1.610E+01
 Outer iteration   27 Inner iteration   7 Max. residual  5.965E+00
 Outer iteration   27 Inner iteration   8 Max. residual  4.537E+00
 Outer iteration   27 Inner iteration   9 Max. residual  2.542E+00
 Outer iteration   27 Inner iteration  10 Max. residual  1.796E+00
 Outer iteration   27 Inner iteration  11 Max. residual  1.142E+00
 Outer iteration   27 Inner iteration  12 Max. residual  8.294E-01
 Outer iteration   27 Inner iteration  13 Max. residual  5.479E-01
 Outer iteration   27 Inner iteration  14 Max. residual  3.560E-01
 Outer iteration   27 Inner iteration  15 Max. residual  3.498E-01
 Outer iteration   27 Inner iteration  16 Max. residual  3.439E-01
 Outer iteration   27 Inner iteration  17 Max. residual  3.251E-01
 Outer iteration   27 Inner iteration  18 Max. residual  3.049E-01
 Outer iteration   27 Inner iteration  19 Max. residual  2.978E-01
```

```
 Outer iteration   27 Inner iteration  20 Max. residual  2.869E-01
 Outer iteration   27 Inner iteration  21 Max. residual  2.665E-01
 Outer iteration   27 Inner iteration  22 Max. residual  2.335E-01
 Outer iteration   27 Inner iteration  23 Max. residual  2.766E-01
 Outer iteration   27 Inner iteration  24 Max. residual  2.418E-01
 Outer iteration   27 Inner iteration  25 Max. residual  7.266E-01
 Outer iteration   27 Inner iteration  26 Max. residual  5.509E-01
 Outer iteration   27 Inner iteration  27 Max. residual  1.528E-01
 Outer iteration   27 Inner iteration  28 Max. residual  1.458E-01
 Outer iteration   27 Inner iteration  29 Max. residual  1.634E-01
 Outer iteration   27 Inner iteration  30 Max. residual  1.701E-01
 Outer iteration   27 Inner iteration  31 Max. residual  1.644E-01
 Outer iteration   27 Inner iteration  32 Max. residual  1.213E-01
 Outer iteration   27 Inner iteration  33 Max. residual  1.272E-01
 Outer iteration   27 Inner iteration  34 Max. residual  8.488E-02
 Outer iteration   27 Inner iteration  35 Max. residual  4.270E-02
 Outer iteration   27 Inner iteration  36 Max. residual  2.640E-02
 Outer iteration   27 Inner iteration  37 Max. residual  2.302E-02
 Outer iteration   27 Inner iteration  38 Max. residual  2.199E-02
 Outer iteration   27 Inner iteration  39 Max. residual  1.666E-02
 Outer iteration   27 Inner iteration  40 Max. residual  3.466E-03
 Outer iteration   27 Inner iteration  41 Max. residual  3.415E-03
 Outer iteration   27 Inner iteration  42 Max. residual  5.076E-03
 Outer iteration   27 Inner iteration  43 Max. residual  4.188E-03
 Outer iteration   27 Inner iteration  44 Max. residual  3.842E-03
 Outer iteration   27 Inner iteration  45 Max. residual  3.056E-03
 Outer iteration   27 Inner iteration  46 Max. residual  2.380E-03
 Outer iteration   27 Inner iteration  47 Max. residual  2.153E-03
 Outer iteration   27 Inner iteration  48 Max. residual  1.879E-03
 Outer iteration   27 Inner iteration  49 Max. residual  1.556E-03
 Outer iteration   27 Inner iteration  50 Max. residual  9.976E-04
 Outer iteration   27 Inner iteration  51 Max. residual  6.440E-04
 Outer iteration   27 Inner iteration  52 Max. residual  4.482E-04
 Outer iteration   27 Inner iteration  53 Max. residual  2.967E-04
 Outer iteration   27 Inner iteration  54 Max. residual  9.571E-05

 CELL CONVERSIONS FOR ITER.= 28  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 13, 95)   DRY( 13, 98)   DRY( 81, 89)   DRY( 83, 87)   DRY( 99,
40)
    DRY(100, 41)   DRY(100, 46)   DRY(101, 23)   DRY(101, 42)   DRY(104,
40)
    DRY(104, 41)   DRY(106, 24)   DRY(106, 38)   DRY(106, 42)   DRY(109,
41)
    DRY(111, 35)   DRY(111, 36)   DRY(116, 29)   DRY(126, 33)   DRY(137,
79)
    DRY(139, 80)   DRY(143, 76)   DRY(144, 76)
0


                                                        SOLUTION BY
CGSTAB-P
                                                        ----------------
----------------------------
 Outer iteration   28 Inner iteration   1 Max. residual  2.944E+02
 Outer iteration   28 Inner iteration   2 Max. residual  1.891E+02
 Outer iteration   28 Inner iteration   3 Max. residual  8.954E+01
 Outer iteration   28 Inner iteration   4 Max. residual  5.464E+01
 Outer iteration   28 Inner iteration   5 Max. residual  2.172E+01
 Outer iteration   28 Inner iteration   6 Max. residual  1.305E+01
```

```
 Outer iteration   28 Inner iteration   7 Max. residual  5.400E+00
 Outer iteration   28 Inner iteration   8 Max. residual  3.928E+00
 Outer iteration   28 Inner iteration   9 Max. residual  2.885E+00
 Outer iteration   28 Inner iteration  10 Max. residual  3.004E+00
 Outer iteration   28 Inner iteration  11 Max. residual  1.545E+00
 Outer iteration   28 Inner iteration  12 Max. residual  4.636E+01
 Outer iteration   28 Inner iteration  13 Max. residual  1.719E-01
 Outer iteration   28 Inner iteration  14 Max. residual  8.154E-02
 Outer iteration   28 Inner iteration  15 Max. residual  6.292E-02
 Outer iteration   28 Inner iteration  16 Max. residual  6.293E-02
 Outer iteration   28 Inner iteration  17 Max. residual  6.198E-02
 Outer iteration   28 Inner iteration  18 Max. residual  5.955E-02
 Outer iteration   28 Inner iteration  19 Max. residual  5.959E-02
 Outer iteration   28 Inner iteration  20 Max. residual  5.897E-02
 Outer iteration   28 Inner iteration  21 Max. residual  5.852E-02
 Outer iteration   28 Inner iteration  22 Max. residual  5.732E-02
 Outer iteration   28 Inner iteration  23 Max. residual  5.550E-02
 Outer iteration   28 Inner iteration  24 Max. residual  5.125E-02
 Outer iteration   28 Inner iteration  25 Max. residual  4.244E-02
 Outer iteration   28 Inner iteration  26 Max. residual  3.939E-02
 Outer iteration   28 Inner iteration  27 Max. residual  3.977E-02
 Outer iteration   28 Inner iteration  28 Max. residual  3.901E-02
 Outer iteration   28 Inner iteration  29 Max. residual  3.750E-02
 Outer iteration   28 Inner iteration  30 Max. residual  3.381E-02
 Outer iteration   28 Inner iteration  31 Max. residual  2.758E-02
 Outer iteration   28 Inner iteration  32 Max. residual  2.254E-02
 Outer iteration   28 Inner iteration  33 Max. residual  1.973E-02
 Outer iteration   28 Inner iteration  34 Max. residual  1.865E-02
 Outer iteration   28 Inner iteration  35 Max. residual  1.756E-02
 Outer iteration   28 Inner iteration  36 Max. residual  1.673E-02
 Outer iteration   28 Inner iteration  37 Max. residual  1.530E-02
 Outer iteration   28 Inner iteration  38 Max. residual  1.293E-02
 Outer iteration   28 Inner iteration  39 Max. residual  1.164E-02
 Outer iteration   28 Inner iteration  40 Max. residual  1.080E-02
 Outer iteration   28 Inner iteration  41 Max. residual  9.670E-03
 Outer iteration   28 Inner iteration  42 Max. residual  6.507E-03
 Outer iteration   28 Inner iteration  43 Max. residual  3.570E-03
 Outer iteration   28 Inner iteration  44 Max. residual  3.249E-03
 Outer iteration   28 Inner iteration  45 Max. residual  2.655E-03
 Outer iteration   28 Inner iteration  46 Max. residual  1.758E-03
 Outer iteration   28 Inner iteration  47 Max. residual  4.388E-03
 Outer iteration   28 Inner iteration  48 Max. residual  3.482E-04
 Outer iteration   28 Inner iteration  49 Max. residual  3.226E-04
 Outer iteration   28 Inner iteration  50 Max. residual  3.465E-04
 Outer iteration   28 Inner iteration  51 Max. residual  3.233E-04
 Outer iteration   28 Inner iteration  52 Max. residual  1.936E-04
 Outer iteration   28 Inner iteration  53 Max. residual  3.253E-04
 Outer iteration   28 Inner iteration  54 Max. residual  9.592E-05

 CELL CONVERSIONS FOR ITER.= 29  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY(101, 33)   DRY(121, 28)
0


                                                          SOLUTION BY
CGSTAB-P
                                                          ----------
---------------------------
 Outer iteration   29 Inner iteration   1 Max. residual  2.530E+02
```

```
 Outer iteration   29 Inner iteration   2 Max. residual  1.632E+02
 Outer iteration   29 Inner iteration   3 Max. residual  8.357E+01
 Outer iteration   29 Inner iteration   4 Max. residual  4.823E+01
 Outer iteration   29 Inner iteration   5 Max. residual  1.942E+01
 Outer iteration   29 Inner iteration   6 Max. residual  1.420E+01
 Outer iteration   29 Inner iteration   7 Max. residual  5.033E+00
 Outer iteration   29 Inner iteration   8 Max. residual  4.134E+00
 Outer iteration   29 Inner iteration   9 Max. residual  2.102E+00
 Outer iteration   29 Inner iteration  10 Max. residual  1.601E+00
 Outer iteration   29 Inner iteration  11 Max. residual  9.305E-01
 Outer iteration   29 Inner iteration  12 Max. residual  6.735E-01
 Outer iteration   29 Inner iteration  13 Max. residual  4.678E-01
 Outer iteration   29 Inner iteration  14 Max. residual  4.583E-01
 Outer iteration   29 Inner iteration  15 Max. residual  4.499E-01
 Outer iteration   29 Inner iteration  16 Max. residual  4.400E-01
 Outer iteration   29 Inner iteration  17 Max. residual  4.349E-01
 Outer iteration   29 Inner iteration  18 Max. residual  4.169E-01
 Outer iteration   29 Inner iteration  19 Max. residual  4.132E-01
 Outer iteration   29 Inner iteration  20 Max. residual  3.934E-01
 Outer iteration   29 Inner iteration  21 Max. residual  3.646E-01
 Outer iteration   29 Inner iteration  22 Max. residual  3.318E-01
 Outer iteration   29 Inner iteration  23 Max. residual  3.398E-01
 Outer iteration   29 Inner iteration  24 Max. residual  3.336E-01
 Outer iteration   29 Inner iteration  25 Max. residual  3.709E-01
 Outer iteration   29 Inner iteration  26 Max. residual  3.195E-01
 Outer iteration   29 Inner iteration  27 Max. residual  2.162E-01
 Outer iteration   29 Inner iteration  28 Max. residual  1.456E-01
 Outer iteration   29 Inner iteration  29 Max. residual  1.226E-01
 Outer iteration   29 Inner iteration  30 Max. residual  9.793E-02
 Outer iteration   29 Inner iteration  31 Max. residual  9.113E-02
 Outer iteration   29 Inner iteration  32 Max. residual  8.167E-02
 Outer iteration   29 Inner iteration  33 Max. residual  7.103E-02
 Outer iteration   29 Inner iteration  34 Max. residual  6.457E-02
 Outer iteration   29 Inner iteration  35 Max. residual  5.479E-02
 Outer iteration   29 Inner iteration  36 Max. residual  3.433E-02
 Outer iteration   29 Inner iteration  37 Max. residual  3.177E-02
 Outer iteration   29 Inner iteration  38 Max. residual  2.840E-02
 Outer iteration   29 Inner iteration  39 Max. residual  1.947E-02
 Outer iteration   29 Inner iteration  40 Max. residual  9.494E-03
 Outer iteration   29 Inner iteration  41 Max. residual  8.299E-03
 Outer iteration   29 Inner iteration  42 Max. residual  7.632E-03
 Outer iteration   29 Inner iteration  43 Max. residual  1.955E-03
 Outer iteration   29 Inner iteration  44 Max. residual  2.373E-02
 Outer iteration   29 Inner iteration  45 Max. residual  6.848E-03
 Outer iteration   29 Inner iteration  46 Max. residual  3.565E-03
 Outer iteration   29 Inner iteration  47 Max. residual  3.277E-03
 Outer iteration   29 Inner iteration  48 Max. residual  2.935E-03
 Outer iteration   29 Inner iteration  49 Max. residual  2.243E-03
 Outer iteration   29 Inner iteration  50 Max. residual  1.392E-03
 Outer iteration   29 Inner iteration  51 Max. residual  9.304E-04
 Outer iteration   29 Inner iteration  52 Max. residual  7.113E-04
 Outer iteration   29 Inner iteration  53 Max. residual  4.833E-04
 Outer iteration   29 Inner iteration  54 Max. residual  2.557E-04
 Outer iteration   29 Inner iteration  55 Max. residual  1.862E-04
 Outer iteration   29 Inner iteration  56 Max. residual  1.590E-04
 Outer iteration   29 Inner iteration  57 Max. residual  8.536E-05

 CELL CONVERSIONS FOR ITER.= 30  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
```

```
    DRY( 14, 94)   DRY( 81, 88)   DRY( 81, 90)   DRY( 83, 90)   DRY( 99,
38)
    DRY( 99, 39)   DRY(101, 35)   DRY(103, 42)   DRY(104, 19)   DRY(104,
37)
    DRY(104, 38)   DRY(104, 39)   DRY(104, 42)   DRY(105, 41)   DRY(106,
22)
    DRY(106, 23)   DRY(106, 35)   DRY(108, 42)   DRY(109, 36)   DRY(109,
37)
    DRY(109, 38)   DRY(109, 39)   DRY(109, 40)   DRY(109, 42)   DRY(111,
31)
    DRY(111, 33)   DRY(113, 38)   DRY(114, 38)   DRY(115, 38)   DRY(116,
27)
    DRY(116, 31)   DRY(121, 29)   DRY(121, 30)   DRY(121, 31)   DRY(121,
33)
    DRY(126, 28)   DRY(126, 30)   DRY(126, 31)   DRY(131, 28)   DRY(131,
30)
    DRY(133, 79)   DRY(134, 79)   DRY(135, 79)   DRY(136, 18)   DRY(136,
20)
    DRY(137, 80)   DRY(138, 79)   DRY(145, 71)   DRY(145, 76)   DRY(146,
71)
    DRY(146, 76)   DRY(147, 71)   DRY(148, 69)   DRY(149, 74)
0


                                                                SOLUTION BY
CGSTAB-P
                                                                ----------
---------------------------
 Outer iteration   30 Inner iteration   1 Max. residual  2.415E+02
 Outer iteration   30 Inner iteration   2 Max. residual  1.546E+02
 Outer iteration   30 Inner iteration   3 Max. residual  7.638E+01
 Outer iteration   30 Inner iteration   4 Max. residual  4.633E+01
 Outer iteration   30 Inner iteration   5 Max. residual  1.851E+01
 Outer iteration   30 Inner iteration   6 Max. residual  1.101E+01
 Outer iteration   30 Inner iteration   7 Max. residual  4.447E+00
 Outer iteration   30 Inner iteration   8 Max. residual  3.251E+00
 Outer iteration   30 Inner iteration   9 Max. residual  2.292E+00
 Outer iteration   30 Inner iteration  10 Max. residual  2.118E+00
 Outer iteration   30 Inner iteration  11 Max. residual  1.084E+00
 Outer iteration   30 Inner iteration  12 Max. residual  2.069E+00
 Outer iteration   30 Inner iteration  13 Max. residual  1.424E-01
 Outer iteration   30 Inner iteration  14 Max. residual  1.394E-01
 Outer iteration   30 Inner iteration  15 Max. residual  1.389E-01
 Outer iteration   30 Inner iteration  16 Max. residual  1.383E-01
 Outer iteration   30 Inner iteration  17 Max. residual  1.448E-01
 Outer iteration   30 Inner iteration  18 Max. residual  1.327E-01
 Outer iteration   30 Inner iteration  19 Max. residual  1.325E-01
 Outer iteration   30 Inner iteration  20 Max. residual  1.320E-01
 Outer iteration   30 Inner iteration  21 Max. residual  1.307E-01
 Outer iteration   30 Inner iteration  22 Max. residual  1.255E-01
 Outer iteration   30 Inner iteration  23 Max. residual  1.114E-01
 Outer iteration   30 Inner iteration  24 Max. residual  9.392E-02
 Outer iteration   30 Inner iteration  25 Max. residual  8.464E-02
 Outer iteration   30 Inner iteration  26 Max. residual  8.447E-02
 Outer iteration   30 Inner iteration  27 Max. residual  8.224E-02
 Outer iteration   30 Inner iteration  28 Max. residual  7.736E-02
 Outer iteration   30 Inner iteration  29 Max. residual  6.850E-02
 Outer iteration   30 Inner iteration  30 Max. residual  5.430E-02
 Outer iteration   30 Inner iteration  31 Max. residual  4.467E-02
 Outer iteration   30 Inner iteration  32 Max. residual  3.857E-02
```

```
 Outer iteration   30 Inner iteration  33 Max. residual  3.464E-02
 Outer iteration   30 Inner iteration  34 Max. residual  1.651E-02
 Outer iteration   30 Inner iteration  35 Max. residual  1.562E-02
 Outer iteration   30 Inner iteration  36 Max. residual  1.467E-02
 Outer iteration   30 Inner iteration  37 Max. residual  1.322E-02
 Outer iteration   30 Inner iteration  38 Max. residual  1.068E-02
 Outer iteration   30 Inner iteration  39 Max. residual  9.565E-03
 Outer iteration   30 Inner iteration  40 Max. residual  8.496E-03
 Outer iteration   30 Inner iteration  41 Max. residual  6.404E-03
 Outer iteration   30 Inner iteration  42 Max. residual  2.922E-03
 Outer iteration   30 Inner iteration  43 Max. residual  2.528E-03
 Outer iteration   30 Inner iteration  44 Max. residual  2.322E-03
 Outer iteration   30 Inner iteration  45 Max. residual  1.936E-03
 Outer iteration   30 Inner iteration  46 Max. residual  1.322E-03
 Outer iteration   30 Inner iteration  47 Max. residual  1.217E-03
 Outer iteration   30 Inner iteration  48 Max. residual  1.127E-03
 Outer iteration   30 Inner iteration  49 Max. residual  5.726E-04
 Outer iteration   30 Inner iteration  50 Max. residual  9.879E-04
 Outer iteration   30 Inner iteration  51 Max. residual  4.013E-04
 Outer iteration   30 Inner iteration  52 Max. residual  1.617E-04
 Outer iteration   30 Inner iteration  53 Max. residual  1.520E-04
 Outer iteration   30 Inner iteration  54 Max. residual  1.319E-04
 Outer iteration   30 Inner iteration  55 Max. residual  3.426E-05
0


                                                        SOLUTION BY
CGSTAB-P
                                                        ----------
---------------------------
 Outer iteration   31 Inner iteration   1 Max. residual  2.191E+02
 Outer iteration   31 Inner iteration   2 Max. residual  1.389E+02
 Outer iteration   31 Inner iteration   3 Max. residual  7.446E+01
 Outer iteration   31 Inner iteration   4 Max. residual  4.250E+01
 Outer iteration   31 Inner iteration   5 Max. residual  1.684E+01
 Outer iteration   31 Inner iteration   6 Max. residual  1.268E+01
 Outer iteration   31 Inner iteration   7 Max. residual  4.346E+00
 Outer iteration   31 Inner iteration   8 Max. residual  3.719E+00
 Outer iteration   31 Inner iteration   9 Max. residual  1.768E+00
 Outer iteration   31 Inner iteration  10 Max. residual  1.399E+00
 Outer iteration   31 Inner iteration  11 Max. residual  7.910E-01
 Outer iteration   31 Inner iteration  12 Max. residual  5.666E-01
 Outer iteration   31 Inner iteration  13 Max. residual  5.356E-01
 Outer iteration   31 Inner iteration  14 Max. residual  5.230E-01
 Outer iteration   31 Inner iteration  15 Max. residual  5.122E-01
 Outer iteration   31 Inner iteration  16 Max. residual  4.992E-01
 Outer iteration   31 Inner iteration  17 Max. residual  4.921E-01
 Outer iteration   31 Inner iteration  18 Max. residual  4.823E-01
 Outer iteration   31 Inner iteration  19 Max. residual  4.652E-01
 Outer iteration   31 Inner iteration  20 Max. residual  4.382E-01
 Outer iteration   31 Inner iteration  21 Max. residual  4.022E-01
 Outer iteration   31 Inner iteration  22 Max. residual  3.440E-01
 Outer iteration   31 Inner iteration  23 Max. residual  3.580E-01
 Outer iteration   31 Inner iteration  24 Max. residual  3.272E-01
 Outer iteration   31 Inner iteration  25 Max. residual  3.706E-01
 Outer iteration   31 Inner iteration  26 Max. residual  2.942E-01
 Outer iteration   31 Inner iteration  27 Max. residual  2.112E-01
 Outer iteration   31 Inner iteration  28 Max. residual  1.634E-01
 Outer iteration   31 Inner iteration  29 Max. residual  1.490E-01
 Outer iteration   31 Inner iteration  30 Max. residual  1.299E-01
```

```
 Outer iteration   31 Inner iteration  31 Max. residual  1.212E-01
 Outer iteration   31 Inner iteration  32 Max. residual  1.276E-01
 Outer iteration   31 Inner iteration  33 Max. residual  6.428E-02
 Outer iteration   31 Inner iteration  34 Max. residual  3.221E-02
 Outer iteration   31 Inner iteration  35 Max. residual  1.824E-02
 Outer iteration   31 Inner iteration  36 Max. residual  2.301E-02
 Outer iteration   31 Inner iteration  37 Max. residual  2.146E-02
 Outer iteration   31 Inner iteration  38 Max. residual  1.980E-02
 Outer iteration   31 Inner iteration  39 Max. residual  1.219E-02
 Outer iteration   31 Inner iteration  40 Max. residual  7.795E-03
 Outer iteration   31 Inner iteration  41 Max. residual  5.642E-03
 Outer iteration   31 Inner iteration  42 Max. residual  4.192E-03
 Outer iteration   31 Inner iteration  43 Max. residual  3.543E-03
 Outer iteration   31 Inner iteration  44 Max. residual  3.012E-03
 Outer iteration   31 Inner iteration  45 Max. residual  2.245E-03
 Outer iteration   31 Inner iteration  46 Max. residual  1.855E-03
 Outer iteration   31 Inner iteration  47 Max. residual  1.613E-03
 Outer iteration   31 Inner iteration  48 Max. residual  1.382E-03
 Outer iteration   31 Inner iteration  49 Max. residual  1.053E-03
 Outer iteration   31 Inner iteration  50 Max. residual  6.658E-04
 Outer iteration   31 Inner iteration  51 Max. residual  4.241E-04
 Outer iteration   31 Inner iteration  52 Max. residual  3.344E-04
 Outer iteration   31 Inner iteration  53 Max. residual  2.617E-04
 Outer iteration   31 Inner iteration  54 Max. residual  1.857E-04
 Outer iteration   31 Inner iteration  55 Max. residual  1.535E-04
 Outer iteration   31 Inner iteration  56 Max. residual  1.375E-04
 Outer iteration   31 Inner iteration  57 Max. residual  6.854E-05

 CELL CONVERSIONS FOR ITER.= 32  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 15,103)   DRY( 16, 96)   DRY( 23,100)   DRY( 26, 93)   DRY( 39,
83)
    DRY( 39, 84)   DRY( 40, 81)   DRY( 41, 82)   DRY( 41, 83)   DRY( 71,
91)
    DRY( 73, 91)   DRY( 75, 90)   DRY( 75, 91)   DRY( 77, 90)   DRY( 79,
90)
    DRY( 81, 91)   DRY( 81, 92)   DRY( 81, 93)   DRY( 81, 94)   DRY( 81,
95)
    DRY( 81, 96)   DRY( 83, 91)   DRY( 83, 92)   DRY( 83, 97)   DRY( 84,
87)
    DRY( 97, 37)   DRY( 97, 42)   DRY( 98, 35)   DRY( 98, 37)   DRY( 98,
41)
    DRY( 98, 47)   DRY( 99, 42)   DRY( 99, 46)   DRY( 99, 47)   DRY(101,
21)
    DRY(103, 35)   DRY(104, 35)   DRY(104, 36)   DRY(108, 38)   DRY(109,
35)
    DRY(110, 41)   DRY(112, 36)   DRY(112, 38)   DRY(113, 36)   DRY(114,
36)
    DRY(115, 36)   DRY(116, 33)   DRY(121, 27)   DRY(121, 32)   DRY(126,
27)
    DRY(126, 29)   DRY(126, 32)   DRY(128, 34)   DRY(129, 34)   DRY(130,
34)
    DRY(131, 27)   DRY(131, 29)   DRY(131, 31)   DRY(136, 79)   DRY(145,
79)
    DRY(147, 76)   DRY(148, 66)   DRY(148, 71)   DRY(148, 76)   DRY(149,
69)
    DRY(149, 71)   DRY(149, 76)

0
```

SOLUTION BY

CGSTAB-P

Outer iteration	32	Inner iteration	1	Max. residual	2.952E+02
Outer iteration	32	Inner iteration	2	Max. residual	1.928E+02
Outer iteration	32	Inner iteration	3	Max. residual	1.018E+02
Outer iteration	32	Inner iteration	4	Max. residual	5.879E+01
Outer iteration	32	Inner iteration	5	Max. residual	2.707E+01
Outer iteration	32	Inner iteration	6	Max. residual	1.481E+01
Outer iteration	32	Inner iteration	7	Max. residual	6.529E+00
Outer iteration	32	Inner iteration	8	Max. residual	4.573E+00
Outer iteration	32	Inner iteration	9	Max. residual	3.212E+00
Outer iteration	32	Inner iteration	10	Max. residual	2.663E+00
Outer iteration	32	Inner iteration	11	Max. residual	1.872E+00
Outer iteration	32	Inner iteration	12	Max. residual	1.265E+00
Outer iteration	32	Inner iteration	13	Max. residual	6.325E-01
Outer iteration	32	Inner iteration	14	Max. residual	6.804E-01
Outer iteration	32	Inner iteration	15	Max. residual	6.377E-01
Outer iteration	32	Inner iteration	16	Max. residual	5.338E-01
Outer iteration	32	Inner iteration	17	Max. residual	7.952E-01
Outer iteration	32	Inner iteration	18	Max. residual	1.898E-01
Outer iteration	32	Inner iteration	19	Max. residual	1.895E-01
Outer iteration	32	Inner iteration	20	Max. residual	1.889E-01
Outer iteration	32	Inner iteration	21	Max. residual	1.868E-01
Outer iteration	32	Inner iteration	22	Max. residual	1.801E-01
Outer iteration	32	Inner iteration	23	Max. residual	1.602E-01
Outer iteration	32	Inner iteration	24	Max. residual	1.413E-01
Outer iteration	32	Inner iteration	25	Max. residual	1.542E-01
Outer iteration	32	Inner iteration	26	Max. residual	1.540E-01
Outer iteration	32	Inner iteration	27	Max. residual	1.487E-01
Outer iteration	32	Inner iteration	28	Max. residual	1.374E-01
Outer iteration	32	Inner iteration	29	Max. residual	1.176E-01
Outer iteration	32	Inner iteration	30	Max. residual	8.467E-02
Outer iteration	32	Inner iteration	31	Max. residual	6.123E-02
Outer iteration	32	Inner iteration	32	Max. residual	5.255E-02
Outer iteration	32	Inner iteration	33	Max. residual	4.500E-02
Outer iteration	32	Inner iteration	34	Max. residual	4.102E-02
Outer iteration	32	Inner iteration	35	Max. residual	3.867E-02
Outer iteration	32	Inner iteration	36	Max. residual	3.452E-02
Outer iteration	32	Inner iteration	37	Max. residual	2.979E-02
Outer iteration	32	Inner iteration	38	Max. residual	2.318E-02
Outer iteration	32	Inner iteration	39	Max. residual	2.088E-02
Outer iteration	32	Inner iteration	40	Max. residual	1.837E-02
Outer iteration	32	Inner iteration	41	Max. residual	1.498E-02
Outer iteration	32	Inner iteration	42	Max. residual	7.668E-03
Outer iteration	32	Inner iteration	43	Max. residual	6.235E-03
Outer iteration	32	Inner iteration	44	Max. residual	4.343E-03
Outer iteration	32	Inner iteration	45	Max. residual	4.094E-03
Outer iteration	32	Inner iteration	46	Max. residual	3.644E-03
Outer iteration	32	Inner iteration	47	Max. residual	2.561E-03
Outer iteration	32	Inner iteration	48	Max. residual	2.237E-03
Outer iteration	32	Inner iteration	49	Max. residual	1.892E-03
Outer iteration	32	Inner iteration	50	Max. residual	2.020E-03
Outer iteration	32	Inner iteration	51	Max. residual	1.432E-03
Outer iteration	32	Inner iteration	52	Max. residual	8.894E-04
Outer iteration	32	Inner iteration	53	Max. residual	4.580E-04
Outer iteration	32	Inner iteration	54	Max. residual	2.593E-04
Outer iteration	32	Inner iteration	55	Max. residual	1.191E-04
Outer iteration	32	Inner iteration	56	Max. residual	3.372E-05

```
 CELL CONVERSIONS FOR ITER.= 33  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 69, 91)   DRY( 77, 91)   DRY( 96, 89)   DRY(133, 80)
0


                                                                SOLUTION BY
CGSTAB-P
                                                                ----------
----------------------------
 Outer iteration   33 Inner iteration   1 Max. residual  2.671E+02
 Outer iteration   33 Inner iteration   2 Max. residual  1.667E+02
 Outer iteration   33 Inner iteration   3 Max. residual  9.609E+01
 Outer iteration   33 Inner iteration   4 Max. residual  5.332E+01
 Outer iteration   33 Inner iteration   5 Max. residual  2.276E+01
 Outer iteration   33 Inner iteration   6 Max. residual  1.630E+01
 Outer iteration   33 Inner iteration   7 Max. residual  5.726E+00
 Outer iteration   33 Inner iteration   8 Max. residual  4.494E+00
 Outer iteration   33 Inner iteration   9 Max. residual  2.476E+00
 Outer iteration   33 Inner iteration  10 Max. residual  1.891E+00
 Outer iteration   33 Inner iteration  11 Max. residual  1.065E+00
 Outer iteration   33 Inner iteration  12 Max. residual  7.920E-01
 Outer iteration   33 Inner iteration  13 Max. residual  5.800E-01
 Outer iteration   33 Inner iteration  14 Max. residual  5.669E-01
 Outer iteration   33 Inner iteration  15 Max. residual  5.558E-01
 Outer iteration   33 Inner iteration  16 Max. residual  5.414E-01
 Outer iteration   33 Inner iteration  17 Max. residual  5.355E-01
 Outer iteration   33 Inner iteration  18 Max. residual  5.289E-01
 Outer iteration   33 Inner iteration  19 Max. residual  5.133E-01
 Outer iteration   33 Inner iteration  20 Max. residual  4.884E-01
 Outer iteration   33 Inner iteration  21 Max. residual  4.523E-01
 Outer iteration   33 Inner iteration  22 Max. residual  3.987E-01
 Outer iteration   33 Inner iteration  23 Max. residual  4.283E-01
 Outer iteration   33 Inner iteration  24 Max. residual  3.767E-01
 Outer iteration   33 Inner iteration  25 Max. residual  3.932E-01
 Outer iteration   33 Inner iteration  26 Max. residual  3.110E-01
 Outer iteration   33 Inner iteration  27 Max. residual  2.397E-01
 Outer iteration   33 Inner iteration  28 Max. residual  1.637E-01
 Outer iteration   33 Inner iteration  29 Max. residual  1.438E-01
 Outer iteration   33 Inner iteration  30 Max. residual  1.221E-01
 Outer iteration   33 Inner iteration  31 Max. residual  1.037E-01
 Outer iteration   33 Inner iteration  32 Max. residual  9.929E-02
 Outer iteration   33 Inner iteration  33 Max. residual  7.155E-02
 Outer iteration   33 Inner iteration  34 Max. residual  9.398E-01
 Outer iteration   33 Inner iteration  35 Max. residual  1.794E+00
 Outer iteration   33 Inner iteration  36 Max. residual  4.349E-02
 Outer iteration   33 Inner iteration  37 Max. residual  3.694E-02
 Outer iteration   33 Inner iteration  38 Max. residual  3.380E-02
 Outer iteration   33 Inner iteration  39 Max. residual  2.077E-02
 Outer iteration   33 Inner iteration  40 Max. residual  1.596E-02
 Outer iteration   33 Inner iteration  41 Max. residual  1.048E-02
 Outer iteration   33 Inner iteration  42 Max. residual  7.103E-03
 Outer iteration   33 Inner iteration  43 Max. residual  6.219E-03
 Outer iteration   33 Inner iteration  44 Max. residual  5.518E-03
 Outer iteration   33 Inner iteration  45 Max. residual  4.164E-03
 Outer iteration   33 Inner iteration  46 Max. residual  3.470E-03
 Outer iteration   33 Inner iteration  47 Max. residual  3.113E-03
 Outer iteration   33 Inner iteration  48 Max. residual  2.608E-03
 Outer iteration   33 Inner iteration  49 Max. residual  1.860E-03
```

```
 Outer iteration   33 Inner iteration  50 Max. residual  1.219E-03
 Outer iteration   33 Inner iteration  51 Max. residual  8.474E-04
 Outer iteration   33 Inner iteration  52 Max. residual  6.579E-04
 Outer iteration   33 Inner iteration  53 Max. residual  4.681E-04
 Outer iteration   33 Inner iteration  54 Max. residual  2.679E-04
 Outer iteration   33 Inner iteration  55 Max. residual  1.826E-04
 Outer iteration   33 Inner iteration  56 Max. residual  1.559E-04
 Outer iteration   33 Inner iteration  57 Max. residual  1.250E-04
 Outer iteration   33 Inner iteration  58 Max. residual  8.909E-05

 CELL CONVERSIONS FOR ITER.= 34  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 13, 96)   DRY( 22,100)   DRY( 25, 93)   DRY( 27, 93)   DRY( 40,
82)
    DRY( 65, 92)   DRY( 66, 92)   DRY( 67, 92)   DRY( 68, 91)   DRY( 68,
92)
    DRY( 68, 93)   DRY( 69, 92)   DRY( 69, 93)   DRY( 70, 91)   DRY( 70,
92)
    DRY( 70, 93)   DRY( 70, 94)   DRY( 71, 92)   DRY( 71, 93)   DRY( 71,
94)
    DRY( 71, 97)   DRY( 71, 98)   DRY( 71, 99)   DRY( 71,100)   DRY(
71,101)
    DRY( 72, 91)   DRY( 72, 92)   DRY( 72, 93)   DRY( 72, 94)   DRY( 73,
92)
    DRY( 73, 93)   DRY( 73, 94)   DRY( 73, 97)   DRY( 74, 91)   DRY( 74,
92)
    DRY( 74, 93)   DRY( 75, 93)   DRY( 76, 90)   DRY( 76, 91)   DRY( 76,
92)
    DRY( 76, 93)   DRY( 76, 97)   DRY( 76, 98)   DRY( 76, 99)   DRY(
76,100)
    DRY( 77, 93)   DRY( 77, 94)   DRY( 77, 95)   DRY( 78, 90)   DRY( 78,
91)
    DRY( 78, 98)   DRY( 78, 99)   DRY( 79, 91)   DRY( 79, 94)   DRY( 79,
95)
    DRY( 80,105)   DRY( 81, 97)   DRY( 81, 98)   DRY( 81, 99)   DRY(
81,100)
    DRY( 82, 88)   DRY( 82, 89)   DRY( 82, 93)   DRY( 83, 98)   DRY( 83,
99)
    DRY( 83,100)   DRY( 83,101)   DRY( 83,102)   DRY( 84, 88)   DRY( 84,
89)
    DRY( 84, 90)   DRY( 84, 93)   DRY( 85, 98)   DRY( 85, 99)   DRY(
85,101)
    DRY( 86, 96)   DRY( 97, 35)   DRY( 97, 47)   DRY( 98, 34)   DRY( 98,
38)
    DRY( 98, 42)   DRY( 98, 46)   DRY( 99, 18)   DRY( 99, 23)   DRY( 99,
24)
    DRY( 99, 34)   DRY( 99, 35)   DRY( 99, 36)   DRY(100, 36)   DRY(102,
7)
    DRY(102, 37)   DRY(102, 38)   DRY(102, 46)   DRY(102, 47)   DRY(103,
37)
    DRY(103, 38)   DRY(103, 45)   DRY(103, 46)   DRY(103, 47)   DRY(104,
22)
    DRY(104, 23)   DRY(104, 24)   DRY(104, 25)   DRY(104, 45)   DRY(104,
46)
    DRY(104, 47)   DRY(105, 37)   DRY(105, 44)   DRY(105, 45)   DRY(105,
46)
    DRY(105, 47)   DRY(106, 21)   DRY(107,  7)   DRY(107, 38)   DRY(109,
23)
    DRY(109, 29)   DRY(110, 37)   DRY(111, 32)   DRY(112, 42)   DRY(113,
23)
```

```
    DRY(113, 42)   DRY(114, 28)   DRY(114, 29)   DRY(114, 30)   DRY(114,
31)
    DRY(114, 42)   DRY(115, 41)   DRY(115, 42)   DRY(116, 32)   DRY(119,
28)
    DRY(119, 29)   DRY(119, 30)   DRY(119, 31)   DRY(121, 24)   DRY(121,
26)
    DRY(124, 31)   DRY(124, 32)   DRY(125, 21)   DRY(126, 26)   DRY(127,
20)
    DRY(127, 34)   DRY(127,103)   DRY(129, 30)   DRY(129, 31)   DRY(129,
32)
    DRY(131, 26)   DRY(131, 32)   DRY(133, 32)   DRY(134, 29)   DRY(134,
30)
    DRY(134, 31)   DRY(134, 32)   DRY(134, 80)   DRY(135, 80)   DRY(136,
29)
    DRY(136, 30)   DRY(136, 31)   DRY(136, 32)   DRY(138, 30)   DRY(138,
31)
    DRY(138, 32)   DRY(139, 79)   DRY(140, 31)   DRY(140, 32)   DRY(140,
80)
    DRY(141, 77)   DRY(141, 78)   DRY(142, 76)   DRY(143, 77)   DRY(143,
78)
    DRY(145, 80)   DRY(147, 72)   DRY(147, 73)   DRY(147, 77)   DRY(149,
66)
    DRY(149, 79)   DRY(149, 80)   DRY(149, 82)
0


                                                                SOLUTION BY
CGSTAB-P
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----------------------------
 Outer iteration   34 Inner iteration   1 Max. residual  2.312E+02
 Outer iteration   34 Inner iteration   2 Max. residual  1.469E+02
 Outer iteration   34 Inner iteration   3 Max. residual  8.290E+01
 Outer iteration   34 Inner iteration   4 Max. residual  4.738E+01
 Outer iteration   34 Inner iteration   5 Max. residual  2.132E+01
 Outer iteration   34 Inner iteration   6 Max. residual  1.227E+01
 Outer iteration   34 Inner iteration   7 Max. residual  4.980E+00
 Outer iteration   34 Inner iteration   8 Max. residual  3.475E+00
 Outer iteration   34 Inner iteration   9 Max. residual  2.440E+00
 Outer iteration   34 Inner iteration  10 Max. residual  1.758E+00
 Outer iteration   34 Inner iteration  11 Max. residual  1.158E+00
 Outer iteration   34 Inner iteration  12 Max. residual  7.639E-01
 Outer iteration   34 Inner iteration  13 Max. residual  4.162E-01
 Outer iteration   34 Inner iteration  14 Max. residual  3.575E-01
 Outer iteration   34 Inner iteration  15 Max. residual  3.541E-01
 Outer iteration   34 Inner iteration  16 Max. residual  2.600E-01
 Outer iteration   34 Inner iteration  17 Max. residual  3.610E-01
 Outer iteration   34 Inner iteration  18 Max. residual  2.171E-01
 Outer iteration   34 Inner iteration  19 Max. residual  2.169E-01
 Outer iteration   34 Inner iteration  20 Max. residual  2.151E-01
 Outer iteration   34 Inner iteration  21 Max. residual  2.114E-01
 Outer iteration   34 Inner iteration  22 Max. residual  1.980E-01
 Outer iteration   34 Inner iteration  23 Max. residual  1.678E-01
 Outer iteration   34 Inner iteration  24 Max. residual  1.377E-01
 Outer iteration   34 Inner iteration  25 Max. residual  1.328E-01
 Outer iteration   34 Inner iteration  26 Max. residual  1.259E-01
 Outer iteration   34 Inner iteration  27 Max. residual  1.207E-01
 Outer iteration   34 Inner iteration  28 Max. residual  1.077E-01
 Outer iteration   34 Inner iteration  29 Max. residual  9.021E-02
 Outer iteration   34 Inner iteration  30 Max. residual  7.081E-02
```

```
 Outer iteration   34 Inner iteration  31 Max. residual  5.685E-02
 Outer iteration   34 Inner iteration  32 Max. residual  5.224E-02
 Outer iteration   34 Inner iteration  33 Max. residual  4.657E-02
 Outer iteration   34 Inner iteration  34 Max. residual  4.437E-02
 Outer iteration   34 Inner iteration  35 Max. residual  4.128E-02
 Outer iteration   34 Inner iteration  36 Max. residual  3.674E-02
 Outer iteration   34 Inner iteration  37 Max. residual  3.096E-02
 Outer iteration   34 Inner iteration  38 Max. residual  2.750E-02
 Outer iteration   34 Inner iteration  39 Max. residual  2.481E-02
 Outer iteration   34 Inner iteration  40 Max. residual  2.230E-02
 Outer iteration   34 Inner iteration  41 Max. residual  1.685E-02
 Outer iteration   34 Inner iteration  42 Max. residual  1.005E-02
 Outer iteration   34 Inner iteration  43 Max. residual  8.518E-03
 Outer iteration   34 Inner iteration  44 Max. residual  7.979E-03
 Outer iteration   34 Inner iteration  45 Max. residual  7.008E-03
 Outer iteration   34 Inner iteration  46 Max. residual  5.938E-03
 Outer iteration   34 Inner iteration  47 Max. residual  5.171E-03
 Outer iteration   34 Inner iteration  48 Max. residual  4.732E-03
 Outer iteration   34 Inner iteration  49 Max. residual  4.195E-03
 Outer iteration   34 Inner iteration  50 Max. residual  3.321E-03
 Outer iteration   34 Inner iteration  51 Max. residual  2.153E-03
 Outer iteration   34 Inner iteration  52 Max. residual  1.551E-03
 Outer iteration   34 Inner iteration  53 Max. residual  1.293E-03
 Outer iteration   34 Inner iteration  54 Max. residual  9.569E-04
 Outer iteration   34 Inner iteration  55 Max. residual  6.334E-04
 Outer iteration   34 Inner iteration  56 Max. residual  4.917E-04
 Outer iteration   34 Inner iteration  57 Max. residual  4.335E-04
 Outer iteration   34 Inner iteration  58 Max. residual  3.486E-04
 Outer iteration   34 Inner iteration  59 Max. residual  2.633E-04
 Outer iteration   34 Inner iteration  60 Max. residual  1.528E-04
 Outer iteration   34 Inner iteration  61 Max. residual  9.515E-05

 CELL CONVERSIONS FOR ITER.= 35  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 63, 91)   DRY( 64, 92)   DRY( 67, 91)   DRY( 67, 93)   DRY( 68,
94)
    DRY( 68, 95)   DRY( 69, 94)   DRY( 71, 95)   DRY( 72, 95)   DRY( 73,
95)
    DRY( 74, 94)   DRY( 75, 92)   DRY( 77, 92)   DRY( 78, 92)   DRY( 78,
97)
    DRY( 79, 93)   DRY( 79, 96)   DRY( 80, 90)   DRY( 92, 46)   DRY( 93,
45)
    DRY( 93, 46)   DRY( 94, 45)   DRY( 97, 38)   DRY( 97, 45)   DRY( 97,
46)
    DRY( 98, 44)   DRY( 98, 45)   DRY( 99, 44)   DRY( 99, 45)   DRY(100,
44)
    DRY(100, 45)   DRY(102, 44)   DRY(102, 45)   DRY(103, 44)   DRY(104,
44)
    DRY(107, 37)   DRY(108, 37)   DRY(108, 41)   DRY(112, 41)   DRY(113,
41)
    DRY(114, 41)   DRY(138, 80)   DRY(144, 77)   DRY(145, 77)   DRY(145,
82)
    DRY(147, 78)   DRY(148, 72)   DRY(148, 73)   DRY(149, 77)
0


                                                        SOLUTION BY
CGSTAB-P
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```
Outer iteration   35 Inner iteration   1 Max. residual  2.215E+02
Outer iteration   35 Inner iteration   2 Max. residual  1.302E+02
Outer iteration   35 Inner iteration   3 Max. residual  7.981E+01
Outer iteration   35 Inner iteration   4 Max. residual  4.437E+01
Outer iteration   35 Inner iteration   5 Max. residual  1.767E+01
Outer iteration   35 Inner iteration   6 Max. residual  1.295E+01
Outer iteration   35 Inner iteration   7 Max. residual  4.440E+00
Outer iteration   35 Inner iteration   8 Max. residual  3.488E+00
Outer iteration   35 Inner iteration   9 Max. residual  1.888E+00
Outer iteration   35 Inner iteration  10 Max. residual  1.404E+00
Outer iteration   35 Inner iteration  11 Max. residual  8.542E-01
Outer iteration   35 Inner iteration  12 Max. residual  6.111E-01
Outer iteration   35 Inner iteration  13 Max. residual  5.996E-01
Outer iteration   35 Inner iteration  14 Max. residual  5.853E-01
Outer iteration   35 Inner iteration  15 Max. residual  5.732E-01
Outer iteration   35 Inner iteration  16 Max. residual  5.607E-01
Outer iteration   35 Inner iteration  17 Max. residual  5.569E-01
Outer iteration   35 Inner iteration  18 Max. residual  5.494E-01
Outer iteration   35 Inner iteration  19 Max. residual  5.290E-01
Outer iteration   35 Inner iteration  20 Max. residual  4.981E-01
Outer iteration   35 Inner iteration  21 Max. residual  4.595E-01
Outer iteration   35 Inner iteration  22 Max. residual  4.832E-01
Outer iteration   35 Inner iteration  23 Max. residual  5.091E-01
Outer iteration   35 Inner iteration  24 Max. residual  4.873E-01
Outer iteration   35 Inner iteration  25 Max. residual  1.687E+00
Outer iteration   35 Inner iteration  26 Max. residual  4.517E-01
Outer iteration   35 Inner iteration  27 Max. residual  2.505E-01
Outer iteration   35 Inner iteration  28 Max. residual  2.144E-01
Outer iteration   35 Inner iteration  29 Max. residual  2.394E-01
Outer iteration   35 Inner iteration  30 Max. residual  2.226E-01
Outer iteration   35 Inner iteration  31 Max. residual  1.918E-01
Outer iteration   35 Inner iteration  32 Max. residual  2.790E-01
Outer iteration   35 Inner iteration  33 Max. residual  2.117E-01
Outer iteration   35 Inner iteration  34 Max. residual  3.125E-01
Outer iteration   35 Inner iteration  35 Max. residual  2.821E-01
Outer iteration   35 Inner iteration  36 Max. residual  1.495E-01
Outer iteration   35 Inner iteration  37 Max. residual  6.312E-02
Outer iteration   35 Inner iteration  38 Max. residual  6.464E-02
Outer iteration   35 Inner iteration  39 Max. residual  3.194E-02
Outer iteration   35 Inner iteration  40 Max. residual  2.624E-02
Outer iteration   35 Inner iteration  41 Max. residual  1.586E-02
Outer iteration   35 Inner iteration  42 Max. residual  1.195E-02
Outer iteration   35 Inner iteration  43 Max. residual  1.063E-02
Outer iteration   35 Inner iteration  44 Max. residual  9.040E-03
Outer iteration   35 Inner iteration  45 Max. residual  6.343E-03
Outer iteration   35 Inner iteration  46 Max. residual  5.215E-03
Outer iteration   35 Inner iteration  47 Max. residual  4.575E-03
Outer iteration   35 Inner iteration  48 Max. residual  3.724E-03
Outer iteration   35 Inner iteration  49 Max. residual  2.582E-03
Outer iteration   35 Inner iteration  50 Max. residual  1.577E-03
Outer iteration   35 Inner iteration  51 Max. residual  1.113E-03
Outer iteration   35 Inner iteration  52 Max. residual  8.962E-04
Outer iteration   35 Inner iteration  53 Max. residual  6.721E-04
Outer iteration   35 Inner iteration  54 Max. residual  4.238E-04
Outer iteration   35 Inner iteration  55 Max. residual  3.198E-04
Outer iteration   35 Inner iteration  56 Max. residual  2.812E-04
Outer iteration   35 Inner iteration  57 Max. residual  2.212E-04
Outer iteration   35 Inner iteration  58 Max. residual  1.538E-04
Outer iteration   35 Inner iteration  59 Max. residual  1.124E-04
Outer iteration   35 Inner iteration  60 Max. residual  5.557E-05
```

```
 CELL CONVERSIONS FOR ITER.= 36  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 13, 97)   DRY( 34,103)   DRY( 35,102)   DRY( 39, 85)   DRY( 39,
97)
    DRY( 41, 84)   DRY( 45, 94)   DRY( 56, 89)   DRY( 59, 87)   DRY( 60,
88)
    DRY( 61, 92)   DRY( 62, 91)   DRY( 62, 92)   DRY( 63, 92)   DRY( 63,
96)
    DRY( 64, 94)   DRY( 64, 95)   DRY( 64, 96)   DRY( 65, 94)   DRY( 65,
95)
    DRY( 65, 96)   DRY( 66, 93)   DRY( 66, 94)   DRY( 66, 95)   DRY( 66,
96)
    DRY( 67, 94)   DRY( 67, 95)   DRY( 67, 96)   DRY( 68, 96)   DRY( 68,
97)
    DRY( 69, 95)   DRY( 69, 97)   DRY( 70, 95)   DRY( 71, 96)   DRY( 73,
13)
    DRY( 73, 98)   DRY( 73, 99)   DRY( 73,100)   DRY( 73,101)   DRY(
73,102)
    DRY( 74, 14)   DRY( 74, 95)   DRY( 75, 94)   DRY( 75, 95)   DRY( 75,
97)
    DRY( 76, 12)   DRY( 76, 94)   DRY( 76, 95)   DRY( 76,103)   DRY( 77,
96)
    DRY( 78, 93)   DRY( 78, 94)   DRY( 78, 95)   DRY( 78,100)   DRY(
78,101)
    DRY( 78,102)   DRY( 78,103)   DRY( 79, 92)   DRY( 79, 99)   DRY( 80,
91)
    DRY( 81,101)   DRY( 81,102)   DRY( 81,103)   DRY( 82, 90)   DRY( 82,
91)
    DRY( 82, 94)   DRY( 82, 95)   DRY( 82, 96)   DRY( 83,103)   DRY(
83,104)
    DRY( 84, 91)   DRY( 84, 92)   DRY( 84, 96)   DRY( 84,100)   DRY(
85,102)
    DRY( 85,103)   DRY( 85,104)   DRY( 86, 11)   DRY( 86, 92)   DRY( 92,
39)
    DRY( 92, 44)   DRY( 92, 45)   DRY( 93, 39)   DRY( 93, 40)   DRY( 93,
44)
    DRY( 94, 44)   DRY( 96, 32)   DRY( 96, 88)   DRY( 97, 40)   DRY( 97,
41)
    DRY( 97, 44)   DRY( 98, 40)   DRY( 99, 21)   DRY( 99, 22)   DRY(100,
22)
    DRY(100, 35)   DRY(101, 34)   DRY(102, 31)   DRY(102, 40)   DRY(102,
41)
    DRY(103, 32)   DRY(103, 40)   DRY(103, 41)   DRY(104,  7)   DRY(104,
21)
    DRY(104, 31)   DRY(105, 31)   DRY(105, 36)   DRY(105, 38)   DRY(105,
39)
    DRY(106, 31)   DRY(107, 40)   DRY(107, 41)   DRY(107, 42)   DRY(108,
35)
    DRY(108, 40)   DRY(109, 18)   DRY(109, 20)   DRY(109, 21)   DRY(109,
22)
    DRY(109, 24)   DRY(109, 30)   DRY(109, 31)   DRY(109, 32)   DRY(109,
33)
    DRY(110, 23)   DRY(110, 36)   DRY(110, 38)   DRY(110, 39)   DRY(111,
21)
    DRY(111, 22)   DRY(111, 24)   DRY(111, 26)   DRY(112, 40)   DRY(113,
40)
    DRY(114, 22)   DRY(114, 23)   DRY(114, 27)   DRY(114, 32)   DRY(114,
34)
```

```
    DRY(114, 40)   DRY(115, 40)   DRY(116,  7)   DRY(116, 21)   DRY(116,
22)
    DRY(116, 24)   DRY(116, 26)   DRY(118, 21)   DRY(118, 32)   DRY(119,
21)
    DRY(119, 32)   DRY(119, 33)   DRY(120, 14)   DRY(120, 15)   DRY(120,
21)
    DRY(121, 22)   DRY(121, 25)   DRY(123, 32)   DRY(124, 24)   DRY(124,
28)
    DRY(124, 29)   DRY(124, 30)   DRY(125, 22)   DRY(125,102)   DRY(126,
25)
    DRY(126,105)   DRY(127,  7)   DRY(128, 32)   DRY(129, 27)   DRY(129,
28)
    DRY(129, 29)   DRY(129,103)   DRY(130, 20)   DRY(130, 21)   DRY(131,
25)
    DRY(134, 10)   DRY(134, 11)   DRY(134, 27)   DRY(134, 28)   DRY(136,
22)
    DRY(136, 27)   DRY(136, 28)   DRY(136, 80)   DRY(138, 28)   DRY(138,
29)
    DRY(140,105)   DRY(142, 75)   DRY(142,103)   DRY(143, 75)   DRY(144,
75)
    DRY(144, 78)   DRY(144, 80)   DRY(144,102)   DRY(145, 72)   DRY(145,
75)
    DRY(146, 72)   DRY(146, 73)   DRY(146, 77)   DRY(146, 78)   DRY(147,
70)
    DRY(147, 75)   DRY(147, 86)   DRY(147, 87)   DRY(147, 88)   DRY(147,
89)
    DRY(148, 67)   DRY(148, 70)   DRY(148, 75)   DRY(148, 77)   DRY(148,
78)
    DRY(148, 89)   DRY(148, 90)   DRY(149, 78)   DRY(149, 86)   DRY(149,
90)
    DRY(149, 91)   DRY(149, 92)   DRY(150, 79)   DRY(151, 92)   DRY(156,
94)
0


                                                                SOLUTION BY
CGSTAB-P
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----------------------------
 Outer iteration   36 Inner iteration   1 Max. residual  1.948E+02
 Outer iteration   36 Inner iteration   2 Max. residual  1.169E+02
 Outer iteration   36 Inner iteration   3 Max. residual  7.011E+01
 Outer iteration   36 Inner iteration   4 Max. residual  3.965E+01
 Outer iteration   36 Inner iteration   5 Max. residual  1.745E+01
 Outer iteration   36 Inner iteration   6 Max. residual  1.060E+01
 Outer iteration   36 Inner iteration   7 Max. residual  4.026E+00
 Outer iteration   36 Inner iteration   8 Max. residual  2.806E+00
 Outer iteration   36 Inner iteration   9 Max. residual  1.997E+00
 Outer iteration   36 Inner iteration  10 Max. residual  1.390E+00
 Outer iteration   36 Inner iteration  11 Max. residual  8.451E-01
 Outer iteration   36 Inner iteration  12 Max. residual  6.127E-01
 Outer iteration   36 Inner iteration  13 Max. residual  3.184E-01
 Outer iteration   36 Inner iteration  14 Max. residual  2.783E-01
 Outer iteration   36 Inner iteration  15 Max. residual  2.405E-01
 Outer iteration   36 Inner iteration  16 Max. residual  2.401E-01
 Outer iteration   36 Inner iteration  17 Max. residual  3.772E-01
 Outer iteration   36 Inner iteration  18 Max. residual  2.270E-01
 Outer iteration   36 Inner iteration  19 Max. residual  2.266E-01
 Outer iteration   36 Inner iteration  20 Max. residual  2.249E-01
 Outer iteration   36 Inner iteration  21 Max. residual  2.182E-01
```

```
 Outer iteration   36 Inner iteration  22 Max. residual  1.989E-01
 Outer iteration   36 Inner iteration  23 Max. residual  1.602E-01
 Outer iteration   36 Inner iteration  24 Max. residual  1.359E-01
 Outer iteration   36 Inner iteration  25 Max. residual  1.266E-01
 Outer iteration   36 Inner iteration  26 Max. residual  1.208E-01
 Outer iteration   36 Inner iteration  27 Max. residual  1.147E-01
 Outer iteration   36 Inner iteration  28 Max. residual  1.053E-01
 Outer iteration   36 Inner iteration  29 Max. residual  8.830E-02
 Outer iteration   36 Inner iteration  30 Max. residual  6.689E-02
 Outer iteration   36 Inner iteration  31 Max. residual  5.608E-02
 Outer iteration   36 Inner iteration  32 Max. residual  5.037E-02
 Outer iteration   36 Inner iteration  33 Max. residual  4.629E-02
 Outer iteration   36 Inner iteration  34 Max. residual  4.385E-02
 Outer iteration   36 Inner iteration  35 Max. residual  4.042E-02
 Outer iteration   36 Inner iteration  36 Max. residual  3.512E-02
 Outer iteration   36 Inner iteration  37 Max. residual  2.926E-02
 Outer iteration   36 Inner iteration  38 Max. residual  2.673E-02
 Outer iteration   36 Inner iteration  39 Max. residual  2.412E-02
 Outer iteration   36 Inner iteration  40 Max. residual  2.070E-02
 Outer iteration   36 Inner iteration  41 Max. residual  1.455E-02
 Outer iteration   36 Inner iteration  42 Max. residual  9.341E-03
 Outer iteration   36 Inner iteration  43 Max. residual  7.950E-03
 Outer iteration   36 Inner iteration  44 Max. residual  7.400E-03
 Outer iteration   36 Inner iteration  45 Max. residual  6.158E-03
 Outer iteration   36 Inner iteration  46 Max. residual  5.117E-03
 Outer iteration   36 Inner iteration  47 Max. residual  4.461E-03
 Outer iteration   36 Inner iteration  48 Max. residual  4.038E-03
 Outer iteration   36 Inner iteration  49 Max. residual  3.410E-03
 Outer iteration   36 Inner iteration  50 Max. residual  2.441E-03
 Outer iteration   36 Inner iteration  51 Max. residual  1.554E-03
 Outer iteration   36 Inner iteration  52 Max. residual  1.196E-03
 Outer iteration   36 Inner iteration  53 Max. residual  9.678E-04
 Outer iteration   36 Inner iteration  54 Max. residual  6.566E-04
 Outer iteration   36 Inner iteration  55 Max. residual  4.258E-04
 Outer iteration   36 Inner iteration  56 Max. residual  3.403E-04
 Outer iteration   36 Inner iteration  57 Max. residual  2.969E-04
 Outer iteration   36 Inner iteration  58 Max. residual  2.272E-04
 Outer iteration   36 Inner iteration  59 Max. residual  1.684E-04
 Outer iteration   36 Inner iteration  60 Max. residual  8.957E-05

 CELL CONVERSIONS FOR ITER.= 37  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 40, 96)   DRY( 60, 89)   DRY( 62, 90)   DRY( 65, 93)   DRY( 70,
97)
    DRY( 73, 96)   DRY( 74, 97)   DRY( 77, 14)   DRY( 79, 11)   DRY( 79,
98)
    DRY( 80, 93)   DRY( 80, 94)   DRY( 80, 95)   DRY( 82, 92)   DRY(100,
38)
    DRY(100, 39)   DRY(102, 34)   DRY(102, 42)   DRY(108, 36)   DRY(108,
39)
    DRY(113, 32)   DRY(113, 34)   DRY(114, 33)   DRY(114, 39)   DRY(115,
37)
    DRY(115, 39)   DRY(116, 34)   DRY(121, 21)   DRY(122, 32)   DRY(124,
33)
    DRY(125, 32)   DRY(126, 24)   DRY(127, 32)   DRY(130, 22)   DRY(130,
32)
    DRY(134, 25)   DRY(142, 77)   DRY(145, 73)   DRY(146, 70)   DRY(147,
83)
    DRY(148, 65)   DRY(148, 68)   DRY(148, 86)   DRY(149, 89)   DRY(149,
93)
```

```
    DRY(150, 80)
0


                                                                SOLUTION BY
CGSTAB-P
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----------------------------
 Outer iteration   37 Inner iteration   1 Max. residual  1.919E+02
 Outer iteration   37 Inner iteration   2 Max. residual  1.069E+02
 Outer iteration   37 Inner iteration   3 Max. residual  6.803E+01
 Outer iteration   37 Inner iteration   4 Max. residual  3.860E+01
 Outer iteration   37 Inner iteration   5 Max. residual  1.418E+01
 Outer iteration   37 Inner iteration   6 Max. residual  1.029E+01
 Outer iteration   37 Inner iteration   7 Max. residual  3.626E+00
 Outer iteration   37 Inner iteration   8 Max. residual  2.741E+00
 Outer iteration   37 Inner iteration   9 Max. residual  1.530E+00
 Outer iteration   37 Inner iteration  10 Max. residual  1.068E+00
 Outer iteration   37 Inner iteration  11 Max. residual  7.164E-01
 Outer iteration   37 Inner iteration  12 Max. residual  6.163E-01
 Outer iteration   37 Inner iteration  13 Max. residual  6.041E-01
 Outer iteration   37 Inner iteration  14 Max. residual  5.897E-01
 Outer iteration   37 Inner iteration  15 Max. residual  5.781E-01
 Outer iteration   37 Inner iteration  16 Max. residual  5.679E-01
 Outer iteration   37 Inner iteration  17 Max. residual  5.633E-01
 Outer iteration   37 Inner iteration  18 Max. residual  5.534E-01
 Outer iteration   37 Inner iteration  19 Max. residual  5.267E-01
 Outer iteration   37 Inner iteration  20 Max. residual  4.897E-01
 Outer iteration   37 Inner iteration  21 Max. residual  4.500E-01
 Outer iteration   37 Inner iteration  22 Max. residual  5.065E-01
 Outer iteration   37 Inner iteration  23 Max. residual  5.208E-01
 Outer iteration   37 Inner iteration  24 Max. residual  5.055E-01
 Outer iteration   37 Inner iteration  25 Max. residual  4.313E-01
 Outer iteration   37 Inner iteration  26 Max. residual  2.129E-01
 Outer iteration   37 Inner iteration  27 Max. residual  2.108E-01
 Outer iteration   37 Inner iteration  28 Max. residual  1.882E-01
 Outer iteration   37 Inner iteration  29 Max. residual  1.749E-01
 Outer iteration   37 Inner iteration  30 Max. residual  1.315E-01
 Outer iteration   37 Inner iteration  31 Max. residual  1.215E-01
 Outer iteration   37 Inner iteration  32 Max. residual  1.235E-01
 Outer iteration   37 Inner iteration  33 Max. residual  1.054E-01
 Outer iteration   37 Inner iteration  34 Max. residual  8.438E-02
 Outer iteration   37 Inner iteration  35 Max. residual  7.791E-02
 Outer iteration   37 Inner iteration  36 Max. residual  5.471E-02
 Outer iteration   37 Inner iteration  37 Max. residual  9.414E-02
 Outer iteration   37 Inner iteration  38 Max. residual  4.691E-02
 Outer iteration   37 Inner iteration  39 Max. residual  4.194E-02
 Outer iteration   37 Inner iteration  40 Max. residual  3.543E-02
 Outer iteration   37 Inner iteration  41 Max. residual  1.254E-02
 Outer iteration   37 Inner iteration  42 Max. residual  9.889E-03
 Outer iteration   37 Inner iteration  43 Max. residual  8.791E-03
 Outer iteration   37 Inner iteration  44 Max. residual  7.186E-03
 Outer iteration   37 Inner iteration  45 Max. residual  5.180E-03
 Outer iteration   37 Inner iteration  46 Max. residual  4.357E-03
 Outer iteration   37 Inner iteration  47 Max. residual  3.792E-03
 Outer iteration   37 Inner iteration  48 Max. residual  3.137E-03
 Outer iteration   37 Inner iteration  49 Max. residual  2.199E-03
 Outer iteration   37 Inner iteration  50 Max. residual  1.339E-03
 Outer iteration   37 Inner iteration  51 Max. residual  9.331E-04
 Outer iteration   37 Inner iteration  52 Max. residual  7.535E-04
```

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 Outer iteration   37 Inner iteration  53 Max. residual  5.219E-04
 Outer iteration   37 Inner iteration  54 Max. residual  2.942E-04
 Outer iteration   37 Inner iteration  55 Max. residual  2.241E-04
 Outer iteration   37 Inner iteration  56 Max. residual  1.961E-04
 Outer iteration   37 Inner iteration  57 Max. residual  1.418E-04
 Outer iteration   37 Inner iteration  58 Max. residual  1.048E-04
 Outer iteration   37 Inner iteration  59 Max. residual  7.457E-05

 CELL CONVERSIONS FOR ITER.= 38  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 14, 95)   DRY( 29, 92)   DRY( 30, 91)   DRY( 34,104)   DRY( 37,
99)
    DRY( 38, 98)   DRY( 40, 83)   DRY( 40, 84)   DRY( 40, 97)   DRY( 44,
94)
    DRY( 46, 94)   DRY( 54, 90)   DRY( 55, 89)   DRY( 57, 89)   DRY( 58,
88)
    DRY( 58, 89)   DRY( 59, 88)   DRY( 59, 89)   DRY( 59, 92)   DRY( 60,
91)
    DRY( 60, 92)   DRY( 61, 90)   DRY( 61, 91)   DRY( 61, 93)   DRY( 62,
93)
    DRY( 62, 95)   DRY( 62, 96)   DRY( 63, 94)   DRY( 63, 95)   DRY( 64,
97)
    DRY( 65, 97)   DRY( 67, 97)   DRY( 67, 98)   DRY( 68, 98)   DRY( 69,
96)
    DRY( 69, 98)   DRY( 70, 96)   DRY( 70, 98)   DRY( 70, 99)   DRY(
71,102)
    DRY( 72, 96)   DRY( 72, 97)   DRY( 73, 14)   DRY( 73, 15)   DRY( 73,
16)
    DRY( 73,103)   DRY( 74, 16)   DRY( 74, 96)   DRY( 74, 98)   DRY( 74,
99)
    DRY( 74,103)   DRY( 74,104)   DRY( 75, 16)   DRY( 75, 96)   DRY( 75,
98)
    DRY( 75, 99)   DRY( 75,100)   DRY( 75,105)   DRY( 76, 14)   DRY( 76,
15)
    DRY( 76, 16)   DRY( 76, 96)   DRY( 76,104)   DRY( 77, 15)   DRY(
77,100)
    DRY( 78, 12)   DRY( 78, 15)   DRY( 78, 96)   DRY( 78,104)   DRY(
78,105)
    DRY( 79, 13)   DRY( 79, 14)   DRY( 79,100)   DRY( 79,101)   DRY(
79,102)
    DRY( 79,103)   DRY( 80, 11)   DRY( 80, 14)   DRY( 80, 92)   DRY( 80,
96)
    DRY( 81, 13)   DRY( 81,104)   DRY( 82, 97)   DRY( 82,100)   DRY( 83,
10)
    DRY( 83, 12)   DRY( 83, 13)   DRY( 84, 13)   DRY( 84, 97)   DRY( 85,
12)
    DRY( 85, 29)   DRY( 86, 29)   DRY( 86, 95)   DRY( 86, 97)   DRY( 86,
99)
    DRY( 86,101)   DRY( 86,102)   DRY( 86,104)   DRY( 92, 34)   DRY( 92,
36)
    DRY( 93, 34)   DRY( 93, 36)   DRY( 97, 17)   DRY( 97, 32)   DRY( 97,
36)
    DRY( 97, 39)   DRY( 98, 32)   DRY( 98, 36)   DRY( 98, 39)   DRY( 99,
6)
    DRY( 99, 32)   DRY(100, 32)   DRY(100, 33)   DRY(100, 34)   DRY(100,
42)
    DRY(100, 47)   DRY(102, 32)   DRY(102, 36)   DRY(102, 39)   DRY(103,
34)
    DRY(103, 36)   DRY(103, 39)   DRY(104,  8)   DRY(104, 32)   DRY(104,
34)
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    DRY(105, 32)   DRY(105, 33)   DRY(105, 35)   DRY(105, 42)   DRY(106,
34)
    DRY(107,  9)   DRY(107, 32)   DRY(107, 36)   DRY(108,  7)   DRY(108,
21)
    DRY(108, 32)   DRY(109,  6)   DRY(109, 25)   DRY(109, 26)   DRY(110,
6)
    DRY(110, 20)   DRY(110, 21)   DRY(111, 25)   DRY(112, 11)   DRY(112,
21)
    DRY(112, 32)   DRY(112, 34)   DRY(112, 37)   DRY(112, 39)   DRY(113,
37)
    DRY(113, 39)   DRY(114,  7)   DRY(114, 21)   DRY(114, 26)   DRY(114,
37)
    DRY(115, 13)   DRY(115, 32)   DRY(115, 34)   DRY(116, 23)   DRY(116,
25)
    DRY(117, 32)   DRY(118, 22)   DRY(118, 33)   DRY(119, 22)   DRY(119,
24)
    DRY(119, 26)   DRY(119, 27)   DRY(120, 32)   DRY(120, 33)   DRY(121,
7)
    DRY(124,  7)   DRY(124, 17)   DRY(124, 19)   DRY(124, 20)   DRY(124,
25)
    DRY(124, 26)   DRY(124, 27)   DRY(124, 34)   DRY(125, 16)   DRY(125,
19)
    DRY(125, 33)   DRY(126,101)   DRY(126,103)   DRY(127, 21)   DRY(127,
24)
    DRY(128,  6)   DRY(128,105)   DRY(129, 24)   DRY(129, 25)   DRY(129,
26)
    DRY(129,105)   DRY(132,  7)   DRY(133, 22)   DRY(133, 31)   DRY(134,
9)
    DRY(134, 26)   DRY(135, 21)   DRY(135, 22)   DRY(135, 26)   DRY(135,
31)
    DRY(135, 32)   DRY(136,  7)   DRY(136, 23)   DRY(137, 22)   DRY(138,
20)
    DRY(139, 32)   DRY(140, 20)   DRY(141, 75)   DRY(141,103)
DRY(141,104)
    DRY(142, 78)   DRY(142,104)   DRY(143,103)   DRY(143,104)
DRY(144,105)
    DRY(145, 70)   DRY(145, 78)   DRY(145,104)   DRY(146, 75)   DRY(146,
82)
    DRY(147,105)   DRY(148, 87)   DRY(148, 88)   DRY(149, 65)   DRY(149,
67)
    DRY(149, 72)   DRY(149, 87)   DRY(149, 88)   DRY(150, 81)   DRY(150,
82)
    DRY(150, 87)   DRY(150, 88)   DRY(150, 94)   DRY(152, 93)   DRY(153,
97)
    DRY(154, 98)   DRY(155, 96)   DRY(156, 96)   DRY(159, 99)   DRY(162,
80)
0


                                                                SOLUTION BY
CGSTAB-P
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 Outer iteration   38 Inner iteration   1 Max. residual  1.727E+02
 Outer iteration   38 Inner iteration   2 Max. residual  9.639E+01
 Outer iteration   38 Inner iteration   3 Max. residual  6.074E+01
 Outer iteration   38 Inner iteration   4 Max. residual  3.438E+01
 Outer iteration   38 Inner iteration   5 Max. residual  1.446E+01
 Outer iteration   38 Inner iteration   6 Max. residual  9.388E+00
 Outer iteration   38 Inner iteration   7 Max. residual  3.330E+00
```

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 Outer iteration   38 Inner iteration   8 Max. residual  2.353E+00
 Outer iteration   38 Inner iteration   9 Max. residual  1.627E+00
 Outer iteration   38 Inner iteration  10 Max. residual  1.118E+00
 Outer iteration   38 Inner iteration  11 Max. residual  7.143E-01
 Outer iteration   38 Inner iteration  12 Max. residual  4.947E-01
 Outer iteration   38 Inner iteration  13 Max. residual  2.632E-01
 Outer iteration   38 Inner iteration  14 Max. residual  2.568E-01
 Outer iteration   38 Inner iteration  15 Max. residual  2.546E-01
 Outer iteration   38 Inner iteration  16 Max. residual  2.495E-01
 Outer iteration   38 Inner iteration  17 Max. residual  2.558E-01
 Outer iteration   38 Inner iteration  18 Max. residual  2.456E-01
 Outer iteration   38 Inner iteration  19 Max. residual  2.453E-01
 Outer iteration   38 Inner iteration  20 Max. residual  2.415E-01
 Outer iteration   38 Inner iteration  21 Max. residual  2.332E-01
 Outer iteration   38 Inner iteration  22 Max. residual  2.118E-01
 Outer iteration   38 Inner iteration  23 Max. residual  1.760E-01
 Outer iteration   38 Inner iteration  24 Max. residual  1.562E-01
 Outer iteration   38 Inner iteration  25 Max. residual  1.562E-01
 Outer iteration   38 Inner iteration  26 Max. residual  1.479E-01
 Outer iteration   38 Inner iteration  27 Max. residual  1.353E-01
 Outer iteration   38 Inner iteration  28 Max. residual  1.159E-01
 Outer iteration   38 Inner iteration  29 Max. residual  9.563E-02
 Outer iteration   38 Inner iteration  30 Max. residual  7.016E-02
 Outer iteration   38 Inner iteration  31 Max. residual  6.569E-02
 Outer iteration   38 Inner iteration  32 Max. residual  6.234E-02
 Outer iteration   38 Inner iteration  33 Max. residual  5.393E-02
 Outer iteration   38 Inner iteration  34 Max. residual  3.753E-01
 Outer iteration   38 Inner iteration  35 Max. residual  5.203E-02
 Outer iteration   38 Inner iteration  36 Max. residual  4.631E-02
 Outer iteration   38 Inner iteration  37 Max. residual  4.263E-02
 Outer iteration   38 Inner iteration  38 Max. residual  3.306E-02
 Outer iteration   38 Inner iteration  39 Max. residual  2.985E-02
 Outer iteration   38 Inner iteration  40 Max. residual  2.720E-02
 Outer iteration   38 Inner iteration  41 Max. residual  1.910E-02
 Outer iteration   38 Inner iteration  42 Max. residual  1.104E-02
 Outer iteration   38 Inner iteration  43 Max. residual  9.968E-03
 Outer iteration   38 Inner iteration  44 Max. residual  9.223E-03
 Outer iteration   38 Inner iteration  45 Max. residual  7.874E-03
 Outer iteration   38 Inner iteration  46 Max. residual  6.047E-03
 Outer iteration   38 Inner iteration  47 Max. residual  5.554E-03
 Outer iteration   38 Inner iteration  48 Max. residual  4.881E-03
 Outer iteration   38 Inner iteration  49 Max. residual  3.879E-03
 Outer iteration   38 Inner iteration  50 Max. residual  2.437E-03
 Outer iteration   38 Inner iteration  51 Max. residual  1.834E-03
 Outer iteration   38 Inner iteration  52 Max. residual  1.337E-03
 Outer iteration   38 Inner iteration  53 Max. residual  1.027E-03
 Outer iteration   38 Inner iteration  54 Max. residual  4.614E-04
 Outer iteration   38 Inner iteration  55 Max. residual  3.146E-04
 Outer iteration   38 Inner iteration  56 Max. residual  1.905E-04
 Outer iteration   38 Inner iteration  57 Max. residual  1.621E-04
 Outer iteration   38 Inner iteration  58 Max. residual  8.184E-05

 CELL CONVERSIONS FOR ITER.= 39  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 43, 95)   DRY( 61, 89)   DRY( 63, 93)   DRY( 64, 93)   DRY( 68,
99)
    DRY( 75, 12)   DRY( 77, 98)   DRY( 77, 99)   DRY( 77,101)   DRY( 78,
14)
    DRY( 79, 97)   DRY( 80, 15)   DRY( 82, 13)   DRY( 82,104)   DRY( 97,
26)
```

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    DRY(100, 40)   DRY(101,  8)   DRY(101, 32)   DRY(102, 25)   DRY(102,
35)
    DRY(103, 25)   DRY(104, 33)   DRY(105, 34)   DRY(105, 40)   DRY(107,
34)
    DRY(107, 39)   DRY(108, 33)   DRY(110, 33)   DRY(110, 40)   DRY(114,
25)
    DRY(117, 21)   DRY(123, 24)   DRY(123, 34)   DRY(124, 21)   DRY(128,
22)
    DRY(133, 25)   DRY(135, 30)   DRY(140, 30)   DRY(144,104)   DRY(149,
70)
    DRY(149, 73)   DRY(150, 76)   DRY(150, 77)   DRY(150, 78)   DRY(150,
86)
    DRY(151, 93)   DRY(152, 94)   DRY(152,105)   DRY(153, 95)   DRY(156,
97)
    DRY(161, 83)
0


                                                                SOLUTION BY
CGSTAB-P
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---------------------------
 Outer iteration   39 Inner iteration   1 Max. residual  1.702E+02
 Outer iteration   39 Inner iteration   2 Max. residual  9.093E+01
 Outer iteration   39 Inner iteration   3 Max. residual  5.894E+01
 Outer iteration   39 Inner iteration   4 Max. residual  3.464E+01
 Outer iteration   39 Inner iteration   5 Max. residual  1.160E+01
 Outer iteration   39 Inner iteration   6 Max. residual  8.112E+00
 Outer iteration   39 Inner iteration   7 Max. residual  3.025E+00
 Outer iteration   39 Inner iteration   8 Max. residual  2.146E+00
 Outer iteration   39 Inner iteration   9 Max. residual  1.299E+00
 Outer iteration   39 Inner iteration  10 Max. residual  9.337E-01
 Outer iteration   39 Inner iteration  11 Max. residual  6.347E-01
 Outer iteration   39 Inner iteration  12 Max. residual  6.186E-01
 Outer iteration   39 Inner iteration  13 Max. residual  6.070E-01
 Outer iteration   39 Inner iteration  14 Max. residual  5.946E-01
 Outer iteration   39 Inner iteration  15 Max. residual  5.848E-01
 Outer iteration   39 Inner iteration  16 Max. residual  5.744E-01
 Outer iteration   39 Inner iteration  17 Max. residual  5.620E-01
 Outer iteration   39 Inner iteration  18 Max. residual  5.486E-01
 Outer iteration   39 Inner iteration  19 Max. residual  5.135E-01
 Outer iteration   39 Inner iteration  20 Max. residual  4.717E-01
 Outer iteration   39 Inner iteration  21 Max. residual  5.008E-01
 Outer iteration   39 Inner iteration  22 Max. residual  5.347E-01
 Outer iteration   39 Inner iteration  23 Max. residual  5.370E-01
 Outer iteration   39 Inner iteration  24 Max. residual  5.205E-01
 Outer iteration   39 Inner iteration  25 Max. residual  4.657E-01
 Outer iteration   39 Inner iteration  26 Max. residual  3.646E-01
 Outer iteration   39 Inner iteration  27 Max. residual  3.012E-01
 Outer iteration   39 Inner iteration  28 Max. residual  2.154E-01
 Outer iteration   39 Inner iteration  29 Max. residual  2.139E-01
 Outer iteration   39 Inner iteration  30 Max. residual  2.221E-01
 Outer iteration   39 Inner iteration  31 Max. residual  1.674E-01
 Outer iteration   39 Inner iteration  32 Max. residual  1.707E-01
 Outer iteration   39 Inner iteration  33 Max. residual  1.332E-01
 Outer iteration   39 Inner iteration  34 Max. residual  8.039E-02
 Outer iteration   39 Inner iteration  35 Max. residual  7.490E-02
 Outer iteration   39 Inner iteration  36 Max. residual  6.261E-02
 Outer iteration   39 Inner iteration  37 Max. residual  4.434E-02
 Outer iteration   39 Inner iteration  38 Max. residual  4.196E-02
```

```
 Outer iteration   39 Inner iteration  39 Max. residual  3.374E-02
 Outer iteration   39 Inner iteration  40 Max. residual  2.443E-02
 Outer iteration   39 Inner iteration  41 Max. residual  1.093E-02
 Outer iteration   39 Inner iteration  42 Max. residual  7.980E-03
 Outer iteration   39 Inner iteration  43 Max. residual  7.994E-03
 Outer iteration   39 Inner iteration  44 Max. residual  7.701E-03
 Outer iteration   39 Inner iteration  45 Max. residual  5.491E-03
 Outer iteration   39 Inner iteration  46 Max. residual  4.752E-03
 Outer iteration   39 Inner iteration  47 Max. residual  4.091E-03
 Outer iteration   39 Inner iteration  48 Max. residual  3.558E-03
 Outer iteration   39 Inner iteration  49 Max. residual  2.690E-03
 Outer iteration   39 Inner iteration  50 Max. residual  1.608E-03
 Outer iteration   39 Inner iteration  51 Max. residual  1.033E-03
 Outer iteration   39 Inner iteration  52 Max. residual  7.525E-04
 Outer iteration   39 Inner iteration  53 Max. residual  4.935E-04
 Outer iteration   39 Inner iteration  54 Max. residual  1.061E-04
 Outer iteration   39 Inner iteration  55 Max. residual  2.110E-04
 Outer iteration   39 Inner iteration  56 Max. residual  1.314E-04
 Outer iteration   39 Inner iteration  57 Max. residual  1.082E-04
 Outer iteration   39 Inner iteration  58 Max. residual  7.978E-05

 CELL CONVERSIONS FOR ITER.= 40  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 33,104)   DRY( 36,100)   DRY( 38,100)   DRY( 40, 98)   DRY( 41,
97)
    DRY( 42, 96)   DRY( 45, 93)   DRY( 45, 95)   DRY( 46, 93)   DRY( 47,
94)
    DRY( 47, 96)   DRY( 48, 96)   DRY( 49, 92)   DRY( 49, 93)   DRY( 49,
94)
    DRY( 50, 92)   DRY( 50, 94)   DRY( 50, 95)   DRY( 50,100)   DRY( 51,
92)
    DRY( 51, 93)   DRY( 51, 94)   DRY( 52, 90)   DRY( 55, 90)   DRY( 55,
93)
    DRY( 56, 88)   DRY( 56, 90)   DRY( 56, 91)   DRY( 56, 93)   DRY( 57,
88)
    DRY( 57, 93)   DRY( 58, 91)   DRY( 58, 92)   DRY( 58, 93)   DRY( 58,
97)
    DRY( 59, 90)   DRY( 59, 91)   DRY( 59, 93)   DRY( 59, 98)   DRY( 60,
90)
    DRY( 60, 93)   DRY( 60, 96)   DRY( 60, 99)   DRY( 60,100)   DRY(
60,101)
    DRY( 61, 99)   DRY( 61,105)   DRY( 62, 94)   DRY( 62, 98)   DRY( 62,
99)
    DRY( 63, 97)   DRY( 63, 98)   DRY( 63, 99)   DRY( 63,101)   DRY(
64,101)
    DRY( 65, 98)   DRY( 66, 97)   DRY( 66, 98)   DRY( 66, 99)   DRY(
66,100)
    DRY( 67, 99)   DRY( 67,100)   DRY( 68,100)   DRY( 68,101)   DRY( 69,
99)
    DRY( 69,105)   DRY( 70,100)   DRY( 70,105)   DRY( 71,103)   DRY(
71,105)
    DRY( 72, 98)   DRY( 72, 99)   DRY( 72,100)   DRY( 72,105)   DRY(
73,105)
    DRY( 74, 15)   DRY( 74,100)   DRY( 74,101)   DRY( 74,102)   DRY( 75,
15)
    DRY( 75,101)   DRY( 77, 13)   DRY( 77, 97)   DRY( 77,102)   DRY(
79,104)
    DRY( 80, 97)   DRY( 80, 99)   DRY( 80,100)   DRY( 82, 11)   DRY( 82,
98)
```

DRY(82, 99) DRY(82,101) DRY(84, 11) DRY(84, 12) DRY(84, 99)
DRY(84,101) DRY(84,104) DRY(86, 30) DRY(86, 98) DRY(86,103)
DRY(97, 21) DRY(97, 25) DRY(97, 34) DRY(98, 4) DRY(98, 21)
DRY(98, 24) DRY(98, 25) DRY(98, 33) DRY(99, 33) DRY(100, 7)
DRY(100, 24) DRY(102, 6) DRY(102, 18) DRY(102, 20) DRY(102, 24)
DRY(103, 8) DRY(103, 18) DRY(103, 20) DRY(103, 24) DRY(103, 33)
DRY(105, 7) DRY(105, 18) DRY(105, 21) DRY(105, 25) DRY(106, 32)
DRY(107, 18) DRY(107, 21) DRY(107, 26) DRY(107, 27) DRY(107, 29)
DRY(107, 30) DRY(108, 6) DRY(108, 18) DRY(108, 26) DRY(108, 27)
DRY(108, 29) DRY(108, 30) DRY(108, 31) DRY(109, 34) DRY(110, 11)
DRY(110, 26) DRY(110, 32) DRY(110, 42) DRY(111, 6) DRY(111, 18)
DRY(112, 18) DRY(112, 27) DRY(112, 28) DRY(112, 30) DRY(113, 7)
DRY(113, 8) DRY(113, 18) DRY(113, 19) DRY(113, 21) DRY(113, 22)
DRY(113, 27) DRY(113, 28) DRY(113, 30) DRY(113, 33) DRY(114, 11)
DRY(114, 12) DRY(114, 18) DRY(114, 24) DRY(114, 35) DRY(115, 8)
DRY(115, 9) DRY(115, 12) DRY(115, 17) DRY(115, 18) DRY(115, 23)
DRY(115, 28) DRY(115, 33) DRY(115, 35) DRY(116, 16) DRY(117, 23)
DRY(117, 28) DRY(117, 33) DRY(118, 11) DRY(118, 28) DRY(118, 31)
DRY(119, 23) DRY(119, 25) DRY(119, 34) DRY(120, 6) DRY(120, 7)
DRY(120, 8) DRY(120, 28) DRY(121, 17) DRY(121, 23) DRY(121, 34)
DRY(122, 7) DRY(122, 21) DRY(122, 23) DRY(122, 28) DRY(122, 34)
DRY(123, 19) DRY(123, 28) DRY(123, 30) DRY(123, 31) DRY(123, 33)
DRY(125, 17) DRY(125, 24) DRY(125, 31) DRY(125, 34) DRY(125,101)
DRY(126, 20) DRY(126, 22) DRY(126,102) DRY(127, 22) DRY(128, 25)
DRY(128, 28) DRY(128, 30) DRY(128, 31) DRY(128,103) DRY(129, 19)
DRY(129, 33) DRY(130, 25) DRY(130, 31) DRY(131, 22) DRY(132, 22)
DRY(132, 31) DRY(133, 8) DRY(133, 28) DRY(133, 30) DRY(134, 7)
DRY(135, 6) DRY(135, 7) DRY(135, 20) DRY(137, 18) DRY(137, 27)
DRY(137, 31) DRY(138, 21) DRY(138, 22) DRY(139, 22) DRY(139, 30)
DRY(139, 31) DRY(139,105) DRY(140, 18) DRY(140, 22) DRY(140, 28)

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    DRY(140, 29)   DRY(141,105)   DRY(142, 18)   DRY(142,105)
DRY(143,105)
    DRY(145, 21)   DRY(145,103)   DRY(145,105)   DRY(146,105)   DRY(148,
21)
    DRY(149, 68)   DRY(149, 75)   DRY(150, 89)   DRY(150, 90)   DRY(150,
91)
    DRY(150, 93)   DRY(151, 95)   DRY(152, 95)   DRY(152, 96)   DRY(153,
96)
    DRY(153,105)   DRY(154, 95)   DRY(154, 96)   DRY(154, 97)   DRY(155,
97)
    DRY(159, 95)
0


                                                                SOLUTION BY
CGSTAB-P
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---------------------------
 Outer iteration   40 Inner iteration   1 Max. residual  1.575E+02
 Outer iteration   40 Inner iteration   2 Max. residual  8.099E+01
 Outer iteration   40 Inner iteration   3 Max. residual  5.320E+01
 Outer iteration   40 Inner iteration   4 Max. residual  3.058E+01
 Outer iteration   40 Inner iteration   5 Max. residual  1.194E+01
 Outer iteration   40 Inner iteration   6 Max. residual  8.213E+00
 Outer iteration   40 Inner iteration   7 Max. residual  2.776E+00
 Outer iteration   40 Inner iteration   8 Max. residual  1.934E+00
 Outer iteration   40 Inner iteration   9 Max. residual  1.296E+00
 Outer iteration   40 Inner iteration  10 Max. residual  9.226E-01
 Outer iteration   40 Inner iteration  11 Max. residual  6.110E-01
 Outer iteration   40 Inner iteration  12 Max. residual  3.907E-01
 Outer iteration   40 Inner iteration  13 Max. residual  2.653E-01
 Outer iteration   40 Inner iteration  14 Max. residual  2.597E-01
 Outer iteration   40 Inner iteration  15 Max. residual  2.574E-01
 Outer iteration   40 Inner iteration  16 Max. residual  2.559E-01
 Outer iteration   40 Inner iteration  17 Max. residual  2.545E-01
 Outer iteration   40 Inner iteration  18 Max. residual  2.485E-01
 Outer iteration   40 Inner iteration  19 Max. residual  2.484E-01
 Outer iteration   40 Inner iteration  20 Max. residual  2.453E-01
 Outer iteration   40 Inner iteration  21 Max. residual  2.310E-01
 Outer iteration   40 Inner iteration  22 Max. residual  2.039E-01
 Outer iteration   40 Inner iteration  23 Max. residual  1.686E-01
 Outer iteration   40 Inner iteration  24 Max. residual  1.415E-01
 Outer iteration   40 Inner iteration  25 Max. residual  1.359E-01
 Outer iteration   40 Inner iteration  26 Max. residual  1.293E-01
 Outer iteration   40 Inner iteration  27 Max. residual  1.017E-01
 Outer iteration   40 Inner iteration  28 Max. residual  7.376E-02
 Outer iteration   40 Inner iteration  29 Max. residual  7.337E-02
 Outer iteration   40 Inner iteration  30 Max. residual  7.299E-02
 Outer iteration   40 Inner iteration  31 Max. residual  5.062E-02
 Outer iteration   40 Inner iteration  32 Max. residual  4.166E-02
 Outer iteration   40 Inner iteration  33 Max. residual  3.444E-02
 Outer iteration   40 Inner iteration  34 Max. residual  3.277E-02
 Outer iteration   40 Inner iteration  35 Max. residual  2.942E-02
 Outer iteration   40 Inner iteration  36 Max. residual  1.854E-02
 Outer iteration   40 Inner iteration  37 Max. residual  1.596E-02
 Outer iteration   40 Inner iteration  38 Max. residual  1.426E-02
 Outer iteration   40 Inner iteration  39 Max. residual  1.270E-02
 Outer iteration   40 Inner iteration  40 Max. residual  1.119E-02
 Outer iteration   40 Inner iteration  41 Max. residual  7.548E-03
 Outer iteration   40 Inner iteration  42 Max. residual  4.510E-03
```

```
 Outer iteration   40 Inner iteration  43 Max. residual  3.934E-03
 Outer iteration   40 Inner iteration  44 Max. residual  3.520E-03
 Outer iteration   40 Inner iteration  45 Max. residual  2.698E-03
 Outer iteration   40 Inner iteration  46 Max. residual  1.849E-03
 Outer iteration   40 Inner iteration  47 Max. residual  1.708E-03
 Outer iteration   40 Inner iteration  48 Max. residual  1.421E-03
 Outer iteration   40 Inner iteration  49 Max. residual  7.559E-04
 Outer iteration   40 Inner iteration  50 Max. residual  2.758E-04
 Outer iteration   40 Inner iteration  51 Max. residual  2.725E-04
 Outer iteration   40 Inner iteration  52 Max. residual  3.122E-04
 Outer iteration   40 Inner iteration  53 Max. residual  3.127E-04
 Outer iteration   40 Inner iteration  54 Max. residual  1.957E-04
 Outer iteration   40 Inner iteration  55 Max. residual  7.474E-05

 CELL CONVERSIONS FOR ITER.= 41  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 44, 95)   DRY( 55, 91)   DRY( 57, 90)   DRY( 57, 91)   DRY( 57,
92)
    DRY( 58, 90)   DRY( 58, 96)   DRY( 59, 96)   DRY( 61, 96)   DRY( 61,
98)
    DRY( 65, 99)   DRY( 66,101)   DRY( 75,102)   DRY( 75,103)   DRY( 77,
12)
    DRY( 80,104)   DRY( 82, 12)   DRY( 82,102)   DRY( 84, 98)   DRY(
84,102)
    DRY( 85,  9)   DRY( 85, 30)   DRY( 86, 10)   DRY( 97, 24)   DRY( 99,
4)
    DRY(103, 21)   DRY(105,  9)   DRY(106, 10)   DRY(107, 25)   DRY(107,
31)
    DRY(108, 22)   DRY(108, 25)   DRY(108, 34)   DRY(110,  9)   DRY(110,
22)
    DRY(110, 25)   DRY(110, 30)   DRY(111, 20)   DRY(112, 20)   DRY(112,
26)
    DRY(112, 31)   DRY(113,  6)   DRY(113, 25)   DRY(113, 26)   DRY(113,
31)
    DRY(113, 35)   DRY(115, 21)   DRY(117, 22)   DRY(117, 34)   DRY(118,
24)
    DRY(118, 25)   DRY(118, 30)   DRY(119, 16)   DRY(120, 31)   DRY(122,
31)
    DRY(123, 26)   DRY(125, 28)   DRY(126, 23)   DRY(127, 28)   DRY(127,
31)
    DRY(127,105)   DRY(128, 24)   DRY(128, 33)   DRY(129, 12)   DRY(129,
20)
    DRY(129, 22)   DRY(130, 28)   DRY(130, 30)   DRY(130, 33)   DRY(131,
8)
    DRY(131, 12)   DRY(133, 26)   DRY(134, 19)   DRY(135, 28)   DRY(135,
29)
    DRY(137, 23)   DRY(137, 28)   DRY(137, 32)   DRY(139, 28)   DRY(147,
22)
    DRY(151, 94)   DRY(159, 94)   DRY(170, 95)
0


                                                          SOLUTION BY
CGSTAB-P
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---------------------------
 Outer iteration   41 Inner iteration   1 Max. residual  4.034E+02
 Outer iteration   41 Inner iteration   2 Max. residual  2.369E+02
 Outer iteration   41 Inner iteration   3 Max. residual  1.813E+02
 Outer iteration   41 Inner iteration   4 Max. residual  1.021E+02
```

```
 Outer iteration   41 Inner iteration   5 Max. residual  4.579E+01
 Outer iteration   41 Inner iteration   6 Max. residual  3.004E+01
 Outer iteration   41 Inner iteration   7 Max. residual  1.190E+01
 Outer iteration   41 Inner iteration   8 Max. residual  8.286E+00
 Outer iteration   41 Inner iteration   9 Max. residual  5.450E+00
 Outer iteration   41 Inner iteration  10 Max. residual  3.420E+00
 Outer iteration   41 Inner iteration  11 Max. residual  2.192E+00
 Outer iteration   41 Inner iteration  12 Max. residual  1.587E+00
 Outer iteration   41 Inner iteration  13 Max. residual  1.016E+00
 Outer iteration   41 Inner iteration  14 Max. residual  7.467E-01
 Outer iteration   41 Inner iteration  15 Max. residual  5.844E-01
 Outer iteration   41 Inner iteration  16 Max. residual  5.790E-01
 Outer iteration   41 Inner iteration  17 Max. residual  5.713E-01
 Outer iteration   41 Inner iteration  18 Max. residual  5.495E-01
 Outer iteration   41 Inner iteration  19 Max. residual  1.770E+01
 Outer iteration   41 Inner iteration  20 Max. residual  1.544E+00
 Outer iteration   41 Inner iteration  21 Max. residual  1.195E+00
 Outer iteration   41 Inner iteration  22 Max. residual  5.173E-01
 Outer iteration   41 Inner iteration  23 Max. residual  4.769E-01
 Outer iteration   41 Inner iteration  24 Max. residual  4.891E-01
 Outer iteration   41 Inner iteration  25 Max. residual  4.839E-01
 Outer iteration   41 Inner iteration  26 Max. residual  4.494E-01
 Outer iteration   41 Inner iteration  27 Max. residual  5.156E-01
 Outer iteration   41 Inner iteration  28 Max. residual  2.424E-01
 Outer iteration   41 Inner iteration  29 Max. residual  1.636E-01
 Outer iteration   41 Inner iteration  30 Max. residual  1.407E-01
 Outer iteration   41 Inner iteration  31 Max. residual  1.297E-01
 Outer iteration   41 Inner iteration  32 Max. residual  1.348E-01
 Outer iteration   41 Inner iteration  33 Max. residual  1.298E-01
 Outer iteration   41 Inner iteration  34 Max. residual  1.124E-01
 Outer iteration   41 Inner iteration  35 Max. residual  9.820E-02
 Outer iteration   41 Inner iteration  36 Max. residual  9.032E-02
 Outer iteration   41 Inner iteration  37 Max. residual  6.338E-02
 Outer iteration   41 Inner iteration  38 Max. residual  5.372E-02
 Outer iteration   41 Inner iteration  39 Max. residual  3.809E-02
 Outer iteration   41 Inner iteration  40 Max. residual  2.932E-02
 Outer iteration   41 Inner iteration  41 Max. residual  2.469E-02
 Outer iteration   41 Inner iteration  42 Max. residual  9.028E-03
 Outer iteration   41 Inner iteration  43 Max. residual  6.584E-03
 Outer iteration   41 Inner iteration  44 Max. residual  1.031E-02
 Outer iteration   41 Inner iteration  45 Max. residual  4.932E-03
 Outer iteration   41 Inner iteration  46 Max. residual  3.355E-03
 Outer iteration   41 Inner iteration  47 Max. residual  3.122E-03
 Outer iteration   41 Inner iteration  48 Max. residual  1.491E-03
 Outer iteration   41 Inner iteration  49 Max. residual  8.334E-04
 Outer iteration   41 Inner iteration  50 Max. residual  9.668E-04
 Outer iteration   41 Inner iteration  51 Max. residual  7.408E-04
 Outer iteration   41 Inner iteration  52 Max. residual  3.596E-04
 Outer iteration   41 Inner iteration  53 Max. residual  3.049E-04
 Outer iteration   41 Inner iteration  54 Max. residual  1.732E-04
 Outer iteration   41 Inner iteration  55 Max. residual  1.277E-04
 Outer iteration   41 Inner iteration  56 Max. residual  1.277E-04
 Outer iteration   41 Inner iteration  57 Max. residual  1.263E-04
 Outer iteration   41 Inner iteration  58 Max. residual  8.393E-05

 CELL CONVERSIONS FOR ITER.= 42  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 34,102)   DRY( 35,101)   DRY( 38, 97)   DRY( 39, 96)   DRY( 39,
99)
```

DRY(39,100) DRY(40,101) DRY(41, 96) DRY(42, 98) DRY(43,
97)
DRY(45, 96) DRY(45, 97) DRY(45, 98) DRY(45,101) DRY(46,
95)
DRY(46, 96) DRY(46, 97) DRY(46,102) DRY(47, 93) DRY(47,
95)
DRY(47, 98) DRY(47,101) DRY(47,103) DRY(47,104) DRY(48,
92)
DRY(48, 95) DRY(49, 95) DRY(49, 96) DRY(49,101) DRY(
49,102)
DRY(49,103) DRY(50, 93) DRY(50, 96) DRY(50, 99) DRY(
50,101)
DRY(51, 91) DRY(51, 96) DRY(51, 99) DRY(52, 91) DRY(52,
92)
DRY(52, 93) DRY(52, 94) DRY(52, 95) DRY(52, 96) DRY(52,
99)
DRY(53, 91) DRY(53, 92) DRY(53, 93) DRY(53, 94) DRY(53,
95)
DRY(53, 98) DRY(54, 89) DRY(54, 92) DRY(54, 93) DRY(54,
94)
DRY(54, 95) DRY(54, 97) DRY(54, 98) DRY(55, 92) DRY(55,
94)
DRY(55, 97) DRY(55, 98) DRY(56, 92) DRY(56, 94) DRY(56,
96)
DRY(56, 97) DRY(57, 94) DRY(57, 96) DRY(57, 97) DRY(59,
95)
DRY(59, 97) DRY(59,102) DRY(59,103) DRY(59,104) DRY(60,
94)
DRY(60, 95) DRY(60, 97) DRY(60, 98) DRY(60,102) DRY(
60,103)
DRY(60,104) DRY(61, 94) DRY(61, 95) DRY(61, 97) DRY(
61,100)
DRY(62, 97) DRY(62,101) DRY(62,102) DRY(62,103) DRY(
63,103)
DRY(64, 98) DRY(64,100) DRY(64,102) DRY(64,103) DRY(
64,104)
DRY(65,100) DRY(65,101) DRY(65,103) DRY(65,104) DRY(
66,102)
DRY(66,103) DRY(66,104) DRY(67,101) DRY(67,102) DRY(
67,103)
DRY(67,104) DRY(68,102) DRY(68,103) DRY(68,104) DRY(
68,105)
DRY(69,100) DRY(69,104) DRY(70,103) DRY(70,104) DRY(
72,102)
DRY(72,103) DRY(72,104) DRY(74, 13) DRY(77,103) DRY(
77,104)
DRY(78, 13) DRY(80, 98) DRY(80,101) DRY(81, 11) DRY(81,
12)
DRY(82,103) DRY(86, 9) DRY(96, 19) DRY(97, 23) DRY(97,
33)
DRY(98, 5) DRY(98, 18) DRY(98, 22) DRY(98, 23) DRY(99,
5)
DRY(100, 4) DRY(100, 5) DRY(100, 6) DRY(100, 21) DRY(101,
5)
DRY(102, 2) DRY(102, 5) DRY(102, 19) DRY(102, 33) DRY(103,
2)
DRY(103, 4) DRY(103, 19) DRY(103, 22) DRY(103, 23) DRY(104,
4)
DRY(104, 20) DRY(105, 4) DRY(105, 6) DRY(105, 8) DRY(105,
24)

```
    DRY(106, 20)   DRY(107,  6)   DRY(107, 22)   DRY(107, 33)   DRY(107,
35)
    DRY(108, 10)   DRY(108, 19)   DRY(108, 24)   DRY(109,  5)   DRY(109,
9)
    DRY(110, 29)   DRY(110, 31)   DRY(110, 35)   DRY(111, 19)   DRY(112,
7)
    DRY(112, 19)   DRY(112, 22)   DRY(112, 25)   DRY(112, 29)   DRY(112,
33)
    DRY(112, 35)   DRY(113, 24)   DRY(113, 29)   DRY(114, 10)   DRY(115,
19)
    DRY(115, 25)   DRY(115, 26)   DRY(115, 27)   DRY(115, 30)   DRY(115,
31)
    DRY(116, 13)   DRY(116, 14)   DRY(116, 15)   DRY(117, 11)   DRY(117,
25)
    DRY(117, 26)   DRY(117, 27)   DRY(117, 30)   DRY(117, 31)   DRY(118,
23)
    DRY(118, 26)   DRY(118, 27)   DRY(118, 34)   DRY(119, 19)   DRY(120,
22)
    DRY(120, 24)   DRY(120, 25)   DRY(120, 26)   DRY(120, 27)   DRY(120,
30)
    DRY(120, 34)   DRY(121, 13)   DRY(121, 15)   DRY(121, 16)   DRY(121,
18)
    DRY(121, 19)   DRY(122, 25)   DRY(122, 26)   DRY(122, 27)   DRY(122,
30)
    DRY(122, 33)   DRY(123, 25)   DRY(123, 27)   DRY(124, 23)   DRY(125,
7)
    DRY(125, 20)   DRY(125, 23)   DRY(125, 26)   DRY(125, 27)   DRY(125,
30)
    DRY(126,  8)   DRY(126, 10)   DRY(126, 13)   DRY(126, 34)
DRY(126,100)
    DRY(127, 23)   DRY(127, 26)   DRY(127, 27)   DRY(127, 30)   DRY(127,
33)
    DRY(128, 23)   DRY(128, 26)   DRY(128, 27)   DRY(129, 16)   DRY(129,
21)
    DRY(129, 23)   DRY(130, 27)   DRY(130,105)   DRY(131, 11)   DRY(131,
16)
    DRY(131, 23)   DRY(132, 18)   DRY(132, 19)   DRY(132, 20)   DRY(132,
21)
    DRY(132, 23)   DRY(132, 26)   DRY(132, 27)   DRY(132, 28)   DRY(132,
30)
    DRY(132, 32)   DRY(133, 23)   DRY(133, 27)   DRY(133, 29)   DRY(134,
16)
    DRY(134, 20)   DRY(134, 21)   DRY(134, 22)   DRY(135, 11)   DRY(135,
27)
    DRY(136, 14)   DRY(136, 15)   DRY(136, 21)   DRY(137,  7)   DRY(137,
30)
    DRY(139, 29)   DRY(140, 21)   DRY(140, 23)   DRY(142,  8)   DRY(142,
22)
    DRY(143, 21)   DRY(143, 22)   DRY(144, 21)   DRY(144, 22)
DRY(144,103)
    DRY(145, 20)   DRY(145, 22)   DRY(145, 23)   DRY(145,102)   DRY(146,
21)
    DRY(146, 22)   DRY(147, 17)   DRY(147, 21)   DRY(150, 92)   DRY(153,
94)
    DRY(154,105)   DRY(157, 94)   DRY(157, 95)   DRY(157, 96)   DRY(157,
97)
    DRY(159, 98)   DRY(163, 99)   DRY(164, 98)   DRY(171, 98)
DRY(171,104)
0
```

SOLUTION BY

CGSTAB-P

```
 Outer iteration   42 Inner iteration   1 Max. residual  2.836E+02
 Outer iteration   42 Inner iteration   2 Max. residual  1.619E+02
 Outer iteration   42 Inner iteration   3 Max. residual  1.134E+02
 Outer iteration   42 Inner iteration   4 Max. residual  6.541E+01
 Outer iteration   42 Inner iteration   5 Max. residual  2.805E+01
 Outer iteration   42 Inner iteration   6 Max. residual  1.702E+01
 Outer iteration   42 Inner iteration   7 Max. residual  4.766E+00
 Outer iteration   42 Inner iteration   8 Max. residual  2.523E+00
 Outer iteration   42 Inner iteration   9 Max. residual  1.093E+02
 Outer iteration   42 Inner iteration  10 Max. residual  1.356E+00
 Outer iteration   42 Inner iteration  11 Max. residual  8.446E-01
 Outer iteration   42 Inner iteration  12 Max. residual  5.877E-01
 Outer iteration   42 Inner iteration  13 Max. residual  3.212E-01
 Outer iteration   42 Inner iteration  14 Max. residual  2.503E-01
 Outer iteration   42 Inner iteration  15 Max. residual  2.500E-01
 Outer iteration   42 Inner iteration  16 Max. residual  2.470E-01
 Outer iteration   42 Inner iteration  17 Max. residual  2.440E-01
 Outer iteration   42 Inner iteration  18 Max. residual  2.409E-01
 Outer iteration   42 Inner iteration  19 Max. residual  2.398E-01
 Outer iteration   42 Inner iteration  20 Max. residual  2.336E-01
 Outer iteration   42 Inner iteration  21 Max. residual  1.560E+00
 Outer iteration   42 Inner iteration  22 Max. residual  3.790E-01
 Outer iteration   42 Inner iteration  23 Max. residual  1.713E-01
 Outer iteration   42 Inner iteration  24 Max. residual  1.257E-01
 Outer iteration   42 Inner iteration  25 Max. residual  1.279E-01
 Outer iteration   42 Inner iteration  26 Max. residual  1.203E+00
 Outer iteration   42 Inner iteration  27 Max. residual  2.787E-01
 Outer iteration   42 Inner iteration  28 Max. residual  1.008E-01
 Outer iteration   42 Inner iteration  29 Max. residual  1.002E-01
 Outer iteration   42 Inner iteration  30 Max. residual  9.369E-02
 Outer iteration   42 Inner iteration  31 Max. residual  7.953E-02
 Outer iteration   42 Inner iteration  32 Max. residual  5.353E-02
 Outer iteration   42 Inner iteration  33 Max. residual  4.990E-02
 Outer iteration   42 Inner iteration  34 Max. residual  4.660E-02
 Outer iteration   42 Inner iteration  35 Max. residual  4.676E-02
 Outer iteration   42 Inner iteration  36 Max. residual  3.467E-02
 Outer iteration   42 Inner iteration  37 Max. residual  2.873E-02
 Outer iteration   42 Inner iteration  38 Max. residual  2.293E-02
 Outer iteration   42 Inner iteration  39 Max. residual  1.912E-02
 Outer iteration   42 Inner iteration  40 Max. residual  3.789E-02
 Outer iteration   42 Inner iteration  41 Max. residual  1.508E-02
 Outer iteration   42 Inner iteration  42 Max. residual  1.303E-02
 Outer iteration   42 Inner iteration  43 Max. residual  5.864E-03
 Outer iteration   42 Inner iteration  44 Max. residual  5.191E-03
 Outer iteration   42 Inner iteration  45 Max. residual  4.617E-03
 Outer iteration   42 Inner iteration  46 Max. residual  3.559E-03
 Outer iteration   42 Inner iteration  47 Max. residual  3.032E-03
 Outer iteration   42 Inner iteration  48 Max. residual  2.622E-03
 Outer iteration   42 Inner iteration  49 Max. residual  1.956E-03
 Outer iteration   42 Inner iteration  50 Max. residual  2.947E-03
 Outer iteration   42 Inner iteration  51 Max. residual  8.114E-04
 Outer iteration   42 Inner iteration  52 Max. residual  4.584E-04
 Outer iteration   42 Inner iteration  53 Max. residual  3.720E-04
 Outer iteration   42 Inner iteration  54 Max. residual  2.198E-04
 Outer iteration   42 Inner iteration  55 Max. residual  2.319E-04
```

```
 Outer iteration   42 Inner iteration  56 Max. residual  2.414E-05

 CELL CONVERSIONS FOR ITER.= 43  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 37, 98)   DRY( 39, 98)   DRY( 41, 99)   DRY( 42, 95)   DRY( 43,
94)
    DRY( 43, 99)   DRY( 44, 96)   DRY( 46, 98)   DRY( 46, 99)   DRY( 48,
94)
    DRY( 49, 97)   DRY( 49, 99)   DRY( 54, 91)   DRY( 58, 94)   DRY( 58,
95)
    DRY( 59, 94)   DRY( 62,104)   DRY( 63,102)   DRY( 70,102)   DRY(
72,101)
    DRY( 76, 13)   DRY( 79, 12)   DRY( 80, 13)   DRY( 83, 11)   DRY(
84,103)
    DRY( 97, 18)   DRY( 97, 22)   DRY( 98,  6)   DRY(101,  4)   DRY(102,
23)
    DRY(104,  6)   DRY(105, 22)   DRY(107,  4)   DRY(107,  5)   DRY(107,
8)
    DRY(107, 24)   DRY(108,  4)   DRY(108, 23)   DRY(109,  4)   DRY(110,
5)
    DRY(110, 34)   DRY(111,  5)   DRY(111,  8)   DRY(111, 34)   DRY(112,
10)
    DRY(115, 20)   DRY(116,  6)   DRY(116,  9)   DRY(116, 17)   DRY(116,
19)
    DRY(118, 17)   DRY(118, 29)   DRY(123,  2)   DRY(124,  2)   DRY(125,
25)
    DRY(126,  9)   DRY(126, 12)   DRY(126, 16)   DRY(127, 19)   DRY(128,
29)
    DRY(130, 23)   DRY(130, 26)   DRY(135, 23)   DRY(137, 20)   DRY(137,
29)
    DRY(138, 23)   DRY(138, 27)   DRY(139, 23)   DRY(141, 22)   DRY(143,
23)
    DRY(149, 19)   DRY(155, 98)   DRY(162, 81)
0


                                                        SOLUTION BY
CGSTAB-P
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----------------------------
 Outer iteration   43 Inner iteration   1 Max. residual  2.020E+02
 Outer iteration   43 Inner iteration   2 Max. residual  1.204E+02
 Outer iteration   43 Inner iteration   3 Max. residual  8.919E+01
 Outer iteration   43 Inner iteration   4 Max. residual  5.944E+01
 Outer iteration   43 Inner iteration   5 Max. residual  1.785E+01
 Outer iteration   43 Inner iteration   6 Max. residual  9.724E+00
 Outer iteration   43 Inner iteration   7 Max. residual  4.946E+00
 Outer iteration   43 Inner iteration   8 Max. residual  3.530E+00
 Outer iteration   43 Inner iteration   9 Max. residual  2.342E+00
 Outer iteration   43 Inner iteration  10 Max. residual  1.411E+00
 Outer iteration   43 Inner iteration  11 Max. residual  1.534E+00
 Outer iteration   43 Inner iteration  12 Max. residual  2.797E+00
 Outer iteration   43 Inner iteration  13 Max. residual  2.295E+00
 Outer iteration   43 Inner iteration  14 Max. residual  5.226E+00
 Outer iteration   43 Inner iteration  15 Max. residual  5.584E-01
 Outer iteration   43 Inner iteration  16 Max. residual  5.517E-01
 Outer iteration   43 Inner iteration  17 Max. residual  5.428E-01
 Outer iteration   43 Inner iteration  18 Max. residual  5.390E-01
 Outer iteration   43 Inner iteration  19 Max. residual  5.299E-01
 Outer iteration   43 Inner iteration  20 Max. residual  5.172E-01
```

```
 Outer iteration   43 Inner iteration  21 Max. residual  4.747E-01
 Outer iteration   43 Inner iteration  22 Max. residual  3.976E-01
 Outer iteration   43 Inner iteration  23 Max. residual  4.300E-01
 Outer iteration   43 Inner iteration  24 Max. residual  4.246E-01
 Outer iteration   43 Inner iteration  25 Max. residual  3.214E-01
 Outer iteration   43 Inner iteration  26 Max. residual  2.918E-01
 Outer iteration   43 Inner iteration  27 Max. residual  2.478E-01
 Outer iteration   43 Inner iteration  28 Max. residual  2.031E-01
 Outer iteration   43 Inner iteration  29 Max. residual  1.256E-01
 Outer iteration   43 Inner iteration  30 Max. residual  1.219E-01
 Outer iteration   43 Inner iteration  31 Max. residual  1.342E-01
 Outer iteration   43 Inner iteration  32 Max. residual  8.970E-02
 Outer iteration   43 Inner iteration  33 Max. residual  6.666E-02
 Outer iteration   43 Inner iteration  34 Max. residual  8.069E-02
 Outer iteration   43 Inner iteration  35 Max. residual  8.957E-02
 Outer iteration   43 Inner iteration  36 Max. residual  3.606E-02
 Outer iteration   43 Inner iteration  37 Max. residual  3.099E-02
 Outer iteration   43 Inner iteration  38 Max. residual  3.443E-02
 Outer iteration   43 Inner iteration  39 Max. residual  2.498E-02
 Outer iteration   43 Inner iteration  40 Max. residual  2.058E-02
 Outer iteration   43 Inner iteration  41 Max. residual  1.122E-02
 Outer iteration   43 Inner iteration  42 Max. residual  7.794E-03
 Outer iteration   43 Inner iteration  43 Max. residual  6.101E-03
 Outer iteration   43 Inner iteration  44 Max. residual  5.465E-03
 Outer iteration   43 Inner iteration  45 Max. residual  4.417E-03
 Outer iteration   43 Inner iteration  46 Max. residual  3.463E-03
 Outer iteration   43 Inner iteration  47 Max. residual  3.121E-03
 Outer iteration   43 Inner iteration  48 Max. residual  2.463E-03
 Outer iteration   43 Inner iteration  49 Max. residual  2.043E-03
 Outer iteration   43 Inner iteration  50 Max. residual  1.358E-03
 Outer iteration   43 Inner iteration  51 Max. residual  5.690E-02
 Outer iteration   43 Inner iteration  52 Max. residual  3.451E-04
 Outer iteration   43 Inner iteration  53 Max. residual  2.647E-04
 Outer iteration   43 Inner iteration  54 Max. residual  1.536E-04
 Outer iteration   43 Inner iteration  55 Max. residual  1.132E-04
 Outer iteration   43 Inner iteration  56 Max. residual  1.123E-04
 Outer iteration   43 Inner iteration  57 Max. residual  2.268E-04
 Outer iteration   43 Inner iteration  58 Max. residual  1.183E-04
 Outer iteration   43 Inner iteration  59 Max. residual  2.074E-05

 CELL CONVERSIONS FOR ITER.= 44  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 33,103)   DRY( 38, 99)   DRY( 40,100)   DRY( 41,100)   DRY(
41,101)
    DRY( 42, 97)   DRY( 42, 99)   DRY( 42,100)   DRY( 42,101)   DRY( 43,
98)
    DRY( 43,100)   DRY( 43,101)   DRY( 44, 97)   DRY( 44,101)   DRY(
44,102)
    DRY( 45, 99)   DRY( 45,100)   DRY( 46,100)   DRY( 46,101)   DRY( 47,
97)
    DRY( 47, 99)   DRY( 47,102)   DRY( 48,104)   DRY( 49, 98)   DRY(
49,100)
    DRY( 49,104)   DRY( 50, 91)   DRY( 50, 97)   DRY( 50,104)   DRY( 51,
97)
    DRY( 51, 98)   DRY( 52, 98)   DRY( 53, 90)   DRY( 53, 97)   DRY( 55,
95)
    DRY( 55, 96)   DRY( 61,103)   DRY( 62,100)   DRY( 63,100)   DRY(
63,104)
    DRY( 64, 99)   DRY( 65,102)   DRY( 69,102)   DRY( 69,103)   DRY(
70,101)
```

```
    DRY( 71,104)   DRY( 73,104)   DRY( 75,104)   DRY( 80,102)   DRY(
80,103)
    DRY( 84, 10)   DRY( 85, 11)   DRY(100, 18)   DRY(100, 23)   DRY(101,
7)
    DRY(101, 22)   DRY(102, 21)   DRY(103,  7)   DRY(104,  5)   DRY(105,
19)
    DRY(105, 23)   DRY(106,  7)   DRY(106,  9)   DRY(107, 19)   DRY(107,
23)
    DRY(109,  8)   DRY(109, 19)   DRY(110, 10)   DRY(110, 18)   DRY(110,
24)
    DRY(111, 11)   DRY(111, 23)   DRY(112,  9)   DRY(113, 11)   DRY(114,
19)
    DRY(115, 11)   DRY(115, 22)   DRY(115, 24)   DRY(115, 29)   DRY(117,
17)
    DRY(117, 29)   DRY(119, 13)   DRY(120, 23)   DRY(120, 29)   DRY(121,
9)
    DRY(121, 20)   DRY(122, 24)   DRY(122, 29)   DRY(123, 23)   DRY(123,
29)
    DRY(124,  6)   DRY(124, 15)   DRY(125, 29)   DRY(126, 11)   DRY(126,
15)
    DRY(127, 25)   DRY(127, 29)   DRY(129, 17)   DRY(130,  7)   DRY(130,
29)
    DRY(131, 17)   DRY(132,  6)   DRY(132, 25)   DRY(132, 29)   DRY(134,
23)
    DRY(135, 18)   DRY(136,  6)   DRY(136,  8)   DRY(136, 16)   DRY(136,
19)
    DRY(136, 26)   DRY(138, 19)   DRY(139, 10)   DRY(140, 19)   DRY(141,
23)
    DRY(142, 20)   DRY(142, 23)   DRY(144, 20)   DRY(144, 23)   DRY(145,
16)
    DRY(148, 20)   DRY(155, 95)   DRY(161, 84)   DRY(162, 79)   DRY(163,
80)
0


                                                                SOLUTION BY
CGSTAB-P
                                                                ----------
----------------------------
 Outer iteration   44 Inner iteration   1 Max. residual  1.375E+02
 Outer iteration   44 Inner iteration   2 Max. residual  8.280E+01
 Outer iteration   44 Inner iteration   3 Max. residual  5.827E+01
 Outer iteration   44 Inner iteration   4 Max. residual  3.801E+01
 Outer iteration   44 Inner iteration   5 Max. residual  1.233E+01
 Outer iteration   44 Inner iteration   6 Max. residual  8.093E+00
 Outer iteration   44 Inner iteration   7 Max. residual  3.704E+00
 Outer iteration   44 Inner iteration   8 Max. residual  1.927E+00
 Outer iteration   44 Inner iteration   9 Max. residual  1.427E+00
 Outer iteration   44 Inner iteration  10 Max. residual  1.104E+00
 Outer iteration   44 Inner iteration  11 Max. residual  1.205E+00
 Outer iteration   44 Inner iteration  12 Max. residual  1.134E+00
 Outer iteration   44 Inner iteration  13 Max. residual  4.376E-01
 Outer iteration   44 Inner iteration  14 Max. residual  2.552E-01
 Outer iteration   44 Inner iteration  15 Max. residual  2.542E-01
 Outer iteration   44 Inner iteration  16 Max. residual  4.316E-01
 Outer iteration   44 Inner iteration  17 Max. residual  2.486E-01
 Outer iteration   44 Inner iteration  18 Max. residual  2.484E-01
 Outer iteration   44 Inner iteration  19 Max. residual  2.468E-01
 Outer iteration   44 Inner iteration  20 Max. residual  2.438E-01
 Outer iteration   44 Inner iteration  21 Max. residual  2.293E-01
```

```
 Outer iteration   44 Inner iteration  22 Max. residual  1.766E-01
 Outer iteration   44 Inner iteration  23 Max. residual  9.643E-01
 Outer iteration   44 Inner iteration  24 Max. residual  3.407E-01
 Outer iteration   44 Inner iteration  25 Max. residual  1.587E-01
 Outer iteration   44 Inner iteration  26 Max. residual  1.135E-01
 Outer iteration   44 Inner iteration  27 Max. residual  1.151E-01
 Outer iteration   44 Inner iteration  28 Max. residual  1.041E-01
 Outer iteration   44 Inner iteration  29 Max. residual  5.990E-02
 Outer iteration   44 Inner iteration  30 Max. residual  3.492E-02
 Outer iteration   44 Inner iteration  31 Max. residual  3.288E-02
 Outer iteration   44 Inner iteration  32 Max. residual  3.481E-02
 Outer iteration   44 Inner iteration  33 Max. residual  3.491E-02
 Outer iteration   44 Inner iteration  34 Max. residual  3.334E-02
 Outer iteration   44 Inner iteration  35 Max. residual  2.372E-02
 Outer iteration   44 Inner iteration  36 Max. residual  2.398E-02
 Outer iteration   44 Inner iteration  37 Max. residual  1.990E-02
 Outer iteration   44 Inner iteration  38 Max. residual  2.135E-01
 Outer iteration   44 Inner iteration  39 Max. residual  1.253E-02
 Outer iteration   44 Inner iteration  40 Max. residual  1.208E-02
 Outer iteration   44 Inner iteration  41 Max. residual  1.038E-02
 Outer iteration   44 Inner iteration  42 Max. residual  5.649E-03
 Outer iteration   44 Inner iteration  43 Max. residual  3.425E-03
 Outer iteration   44 Inner iteration  44 Max. residual  3.102E-03
 Outer iteration   44 Inner iteration  45 Max. residual  2.547E-03
 Outer iteration   44 Inner iteration  46 Max. residual  2.129E-03
 Outer iteration   44 Inner iteration  47 Max. residual  1.792E-03
 Outer iteration   44 Inner iteration  48 Max. residual  1.589E-03
 Outer iteration   44 Inner iteration  49 Max. residual  1.172E-03
 Outer iteration   44 Inner iteration  50 Max. residual  2.577E-02
 Outer iteration   44 Inner iteration  51 Max. residual  4.002E-04
 Outer iteration   44 Inner iteration  52 Max. residual  2.344E-04
 Outer iteration   44 Inner iteration  53 Max. residual  1.857E-04
 Outer iteration   44 Inner iteration  54 Max. residual  1.240E-04
 Outer iteration   44 Inner iteration  55 Max. residual  9.449E-05

 CELL CONVERSIONS FOR ITER.= 45  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 40, 99)   DRY( 41, 98)   DRY( 43, 96)   DRY( 44, 98)   DRY( 44,
99)
    DRY( 44,100)   DRY( 48, 93)   DRY( 50, 98)   DRY( 56, 95)   DRY( 57,
95)
    DRY(114,  9)   DRY(115,  7)   DRY(117,  7)   DRY(117, 10)   DRY(117,
24)
    DRY(119, 17)   DRY(121, 12)   DRY(127,  6)   DRY(129, 11)   DRY(133,
7)
    DRY(134,  8)   DRY(134, 17)   DRY(135,  9)   DRY(135, 25)   DRY(138,
18)
    DRY(139, 20)   DRY(140, 17)   DRY(141, 20)   DRY(143, 18)   DRY(145,
19)
    DRY(171,100)
0


                                                        SOLUTION BY
CGSTAB-P
                                                        ----------------
---------------------------
 Outer iteration   45 Inner iteration   1 Max. residual  9.924E+01
 Outer iteration   45 Inner iteration   2 Max. residual  6.497E+01
 Outer iteration   45 Inner iteration   3 Max. residual  4.493E+01
```

```
 Outer iteration   45 Inner iteration   4 Max. residual  3.491E+01
 Outer iteration   45 Inner iteration   5 Max. residual  8.145E+00
 Outer iteration   45 Inner iteration   6 Max. residual  5.015E+00
 Outer iteration   45 Inner iteration   7 Max. residual  2.718E+00
 Outer iteration   45 Inner iteration   8 Max. residual  1.790E+00
 Outer iteration   45 Inner iteration   9 Max. residual  1.157E+00
 Outer iteration   45 Inner iteration  10 Max. residual  7.654E-01
 Outer iteration   45 Inner iteration  11 Max. residual  2.632E+00
 Outer iteration   45 Inner iteration  12 Max. residual  1.340E+00
 Outer iteration   45 Inner iteration  13 Max. residual  1.070E+00
 Outer iteration   45 Inner iteration  14 Max. residual  5.495E-01
 Outer iteration   45 Inner iteration  15 Max. residual  5.342E-01
 Outer iteration   45 Inner iteration  16 Max. residual  5.283E-01
 Outer iteration   45 Inner iteration  17 Max. residual  5.260E-01
 Outer iteration   45 Inner iteration  18 Max. residual  5.211E-01
 Outer iteration   45 Inner iteration  19 Max. residual  5.082E-01
 Outer iteration   45 Inner iteration  20 Max. residual  4.860E-01
 Outer iteration   45 Inner iteration  21 Max. residual  4.404E-01
 Outer iteration   45 Inner iteration  22 Max. residual  3.522E-01
 Outer iteration   45 Inner iteration  23 Max. residual  3.715E-01
 Outer iteration   45 Inner iteration  24 Max. residual  2.829E-01
 Outer iteration   45 Inner iteration  25 Max. residual  2.732E-01
 Outer iteration   45 Inner iteration  26 Max. residual  2.436E-01
 Outer iteration   45 Inner iteration  27 Max. residual  1.217E-01
 Outer iteration   45 Inner iteration  28 Max. residual  1.251E-01
 Outer iteration   45 Inner iteration  29 Max. residual  7.290E-02
 Outer iteration   45 Inner iteration  30 Max. residual  1.669E-01
 Outer iteration   45 Inner iteration  31 Max. residual  9.535E-02
 Outer iteration   45 Inner iteration  32 Max. residual  6.901E-02
 Outer iteration   45 Inner iteration  33 Max. residual  6.677E-02
 Outer iteration   45 Inner iteration  34 Max. residual  5.849E-02
 Outer iteration   45 Inner iteration  35 Max. residual  6.702E-02
 Outer iteration   45 Inner iteration  36 Max. residual  3.666E-02
 Outer iteration   45 Inner iteration  37 Max. residual  2.921E-02
 Outer iteration   45 Inner iteration  38 Max. residual  2.910E-02
 Outer iteration   45 Inner iteration  39 Max. residual  2.848E-02
 Outer iteration   45 Inner iteration  40 Max. residual  1.658E-02
 Outer iteration   45 Inner iteration  41 Max. residual  5.893E-03
 Outer iteration   45 Inner iteration  42 Max. residual  5.771E-03
 Outer iteration   45 Inner iteration  43 Max. residual  7.854E-03
 Outer iteration   45 Inner iteration  44 Max. residual  7.499E-03
 Outer iteration   45 Inner iteration  45 Max. residual  5.555E-03
 Outer iteration   45 Inner iteration  46 Max. residual  4.091E-03
 Outer iteration   45 Inner iteration  47 Max. residual  3.286E-03
 Outer iteration   45 Inner iteration  48 Max. residual  2.936E-03
 Outer iteration   45 Inner iteration  49 Max. residual  2.401E-03
 Outer iteration   45 Inner iteration  50 Max. residual  1.110E-03
 Outer iteration   45 Inner iteration  51 Max. residual  5.569E-04
 Outer iteration   45 Inner iteration  52 Max. residual  4.313E-04
 Outer iteration   45 Inner iteration  53 Max. residual  3.505E-04
 Outer iteration   45 Inner iteration  54 Max. residual  2.667E-04
 Outer iteration   45 Inner iteration  55 Max. residual  2.122E-04
 Outer iteration   45 Inner iteration  56 Max. residual  1.815E-04
 Outer iteration   45 Inner iteration  57 Max. residual  1.262E-04
 Outer iteration   45 Inner iteration  58 Max. residual  6.886E-05

 CELL CONVERSIONS FOR ITER.= 46  LAYER=  1  STEP=  1  PERIOD=  1
(ROW,COL)
    DRY( 47,100)   DRY( 48, 99)   DRY( 48,102)   DRY( 48,103)   DRY(
48,105)
```

```
    DRY( 52, 97)   DRY( 54, 96)   DRY( 61,102)   DRY( 61,104)   DRY(
69,101)
    DRY( 75, 14)   DRY(112, 24)   DRY(113, 20)   DRY(114,  6)   DRY(116,
12)
    DRY(121,  6)   DRY(121, 14)   DRY(123,  7)   DRY(123, 20)   DRY(124,
22)
    DRY(126,  7)   DRY(126, 17)   DRY(130, 24)   DRY(131,  7)   DRY(131,
10)
    DRY(136, 17)   DRY(138,  7)   DRY(146, 16)   DRY(146, 17)   DRY(146,
20)
    DRY(147, 18)   DRY(148, 17)   DRY(170, 94)   DRY(170,104)   DRY(171,
97)
0


                                                                SOLUTION BY
CGSTAB-P
                                                                ----------
---------------------------
 Outer iteration   46 Inner iteration   1 Max. residual  7.169E+01
 Outer iteration   46 Inner iteration   2 Max. residual  4.597E+01
 Outer iteration   46 Inner iteration   3 Max. residual  3.271E+01
 Outer iteration   46 Inner iteration   4 Max. residual  2.530E+01
 Outer iteration   46 Inner iteration   5 Max. residual  7.831E+00
 Outer iteration   46 Inner iteration   6 Max. residual  3.184E+00
 Outer iteration   46 Inner iteration   7 Max. residual  2.110E+00
 Outer iteration   46 Inner iteration   8 Max. residual  1.601E+00
 Outer iteration   46 Inner iteration   9 Max. residual  1.078E+00
 Outer iteration   46 Inner iteration  10 Max. residual  7.439E-01
 Outer iteration   46 Inner iteration  11 Max. residual  4.090E-01
 Outer iteration   46 Inner iteration  12 Max. residual  3.272E-01
 Outer iteration   46 Inner iteration  13 Max. residual  2.630E-01
 Outer iteration   46 Inner iteration  14 Max. residual  2.577E-01
 Outer iteration   46 Inner iteration  15 Max. residual  2.578E-01
 Outer iteration   46 Inner iteration  16 Max. residual  4.114E-01
 Outer iteration   46 Inner iteration  17 Max. residual  2.525E-01
 Outer iteration   46 Inner iteration  18 Max. residual  2.524E-01
 Outer iteration   46 Inner iteration  19 Max. residual  2.513E-01
 Outer iteration   46 Inner iteration  20 Max. residual  2.528E-01
 Outer iteration   46 Inner iteration  21 Max. residual  4.637E-01
 Outer iteration   46 Inner iteration  22 Max. residual  3.695E-01
 Outer iteration   46 Inner iteration  23 Max. residual  2.128E-01
 Outer iteration   46 Inner iteration  24 Max. residual  1.449E-01
 Outer iteration   46 Inner iteration  25 Max. residual  1.290E-01
 Outer iteration   46 Inner iteration  26 Max. residual  1.268E-01
 Outer iteration   46 Inner iteration  27 Max. residual  1.297E-01
 Outer iteration   46 Inner iteration  28 Max. residual  1.355E-01
 Outer iteration   46 Inner iteration  29 Max. residual  9.201E-02
 Outer iteration   46 Inner iteration  30 Max. residual  5.150E-02
 Outer iteration   46 Inner iteration  31 Max. residual  4.252E-02
 Outer iteration   46 Inner iteration  32 Max. residual  4.176E-02
 Outer iteration   46 Inner iteration  33 Max. residual  4.321E-02
 Outer iteration   46 Inner iteration  34 Max. residual  7.190E-02
 Outer iteration   46 Inner iteration  35 Max. residual  9.657E-02
 Outer iteration   46 Inner iteration  36 Max. residual  1.857E-02
 Outer iteration   46 Inner iteration  37 Max. residual  1.175E-02
 Outer iteration   46 Inner iteration  38 Max. residual  1.089E-02
 Outer iteration   46 Inner iteration  39 Max. residual  9.892E-03
 Outer iteration   46 Inner iteration  40 Max. residual  5.969E-03
 Outer iteration   46 Inner iteration  41 Max. residual  2.910E-02
```

```
 Outer iteration   46 Inner iteration  42 Max. residual  1.014E-02
 Outer iteration   46 Inner iteration  43 Max. residual  2.407E-03
 Outer iteration   46 Inner iteration  44 Max. residual  2.021E-03
 Outer iteration   46 Inner iteration  45 Max. residual  1.796E-03
 Outer iteration   46 Inner iteration  46 Max. residual  1.517E-03
 Outer iteration   46 Inner iteration  47 Max. residual  1.142E-03
 Outer iteration   46 Inner iteration  48 Max. residual  9.947E-04
 Outer iteration   46 Inner iteration  49 Max. residual  8.675E-04
 Outer iteration   46 Inner iteration  50 Max. residual  6.507E-04
 Outer iteration   46 Inner iteration  51 Max. residual  3.260E-04
 Outer iteration   46 Inner iteration  52 Max. residual  1.740E-04
 Outer iteration   46 Inner iteration  53 Max. residual  1.259E-04
 Outer iteration   46 Inner iteration  54 Max. residual  9.851E-05

 HEAD/DRAWDOWN PRINTOUT FLAG = 1     TOTAL BUDGET PRINTOUT FLAG = 1
 CELL-BY-CELL FLOW TERM FLAG = 1

 OUTPUT FLAGS FOR ALL LAYERS ARE THE SAME:
   HEAD    DRAWDOWN  HEAD  DRAWDOWN
 PRINTOUT  PRINTOUT  SAVE    SAVE
 ---------------------------------
     0         0       1       1
 UBUDSV SAVING "   CONSTANT HEAD" ON UNIT154 AT TIME STEP  1, STRESS
PERIOD    1
 UBUDSV SAVING "FLOW RIGHT FACE " ON UNIT154 AT TIME STEP  1, STRESS
PERIOD    1
 UBUDSV SAVING "FLOW FRONT FACE " ON UNIT154 AT TIME STEP  1, STRESS
PERIOD    1
 UBUDSV SAVING "FLOW LOWER FACE " ON UNIT154 AT TIME STEP  1, STRESS
PERIOD    1
 UBUDSV SAVING "           WELLS" ON UNIT154 AT TIME STEP  1, STRESS
PERIOD    1
 UBUDSV SAVING "        RECHARGE" ON UNIT154 AT TIME STEP  1, STRESS
PERIOD    1
 UBUDSV SAVING "  STREAM LEAKAGE" ON UNIT154 AT TIME STEP  1, STRESS
PERIOD    1
 UBUDSV SAVING "STREAM FLOW OUT " ON UNIT155 AT TIME STEP  1, STRESS
PERIOD    1
 ------------------
 CALIBRATION PACKAGE OUTPUT
 CALIBRATION OUTPUT POINTS
 ------------------
            LAYER    COLUMN     ROW             BLOCK VALUE
INTERPOLATED VALUE
               1        66       119             0.142018E+01
0.143805E+01
               1        66       119             0.142018E+01
0.143805E+01
               1        71       107             0.202576E+01
0.204854E+01
               1        71       107             0.202576E+01
0.204854E+01
               1        29       153            -0.901420E+00           -
0.874677E+00
               1        33        21             0.185030E+02
0.184194E+02
               1        88        27             0.155094E+02
0.155560E+02
               1        97        16            -0.100000E+31           -
0.100000E+31
```

```
             1        79        78             0.332757E+01
0.333438E+01
             1        56       122             0.509601E-01
0.229125E+00
             1        62       117             0.381335E+00
0.707655E+00
             1        44       141             0.340881E+00
0.315771E+00
             1       103        26             0.138234E+02
0.138918E+02
             1        88        44             0.567298E+01
0.572494E+01

 HEAD WILL BE SAVED ON UNIT  150 AT END OF TIME STEP   1, STRESS PERIOD
1

 DRAWDOWN WILL BE SAVED ON UNIT  151 AT END OF TIME STEP   1, STRESS
PERIOD    1
1
  VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS
PERIOD   1
  ---------------------------------------------------------------------
-------

     CUMULATIVE VOLUMES      L**3       RATES FOR THIS TIME STEP
L**3/T
     ------------------                 ------------------------

           IN:                                      IN:
           ---                                      ---
             STORAGE =           0.0000               STORAGE =
0.0000
       CONSTANT HEAD =      910663.8125         CONSTANT HEAD =
910663.8125
               WELLS =           0.0000                 WELLS =
0.0000
            RECHARGE =           0.0000              RECHARGE =
0.0000
      STREAM LEAKAGE =      348516.0938        STREAM LEAKAGE =
348516.0938

            TOTAL IN =     1259179.8750              TOTAL IN =
1259179.8750

          OUT:                                     OUT:
          ----                                     ----
             STORAGE =           0.0000               STORAGE =
0.0000
       CONSTANT HEAD =       7.4755E-02         CONSTANT HEAD =
7.4755E-02
               WELLS =       61578.0000                 WELLS =
61578.0000
            RECHARGE =           0.0000              RECHARGE =
0.0000
      STREAM LEAKAGE =     1590486.5000        STREAM LEAKAGE =
1590486.5000

           TOTAL OUT =     1652064.6250             TOTAL OUT =
1652064.6250
```

```
            IN - OUT =     -392884.7500              IN - OUT =     -
392884.7500

 PERCENT DISCREPANCY =         -26.99     PERCENT DISCREPANCY =         -
26.99




          TIME SUMMARY AT END OF TIME STEP   1 IN STRESS PERIOD    1
                     SECONDS     MINUTES      HOURS       DAYS
YEARS
                     ------------------------------------------------------
------
   TIME STEP LENGTH  86400.      1440.0      24.000      1.0000
2.73785E-03
 STRESS PERIOD TIME  86400.      1440.0      24.000      1.0000
2.73785E-03
         TOTAL TIME  86400.      1440.0      24.000      1.0000
2.73785E-03
1

 Run end date and time (yyyy/mm/dd hh:mm:ss): 2014/05/12 18:22:53
 Elapsed run time: 26.323 Seconds
```