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Macintosh:~/Desktop/TTU_Fall2008/CE_5362_Modeling/ce_5362_X.1 cleveland$ head time2drain.for
      program time2drain
c====time to drain a tank model
c
c Author: T.G. Cleveland
c Date: 2009_0105
c Purpose: Pedagogical tool for CE 5362 Surface Water Modeling
c
c====variable names:
c   depth = tank depth (an array)
c   time = elapsed time (an array)
Macintosh:~/Desktop/TTU_Fall2008/CE_5362_Modeling/ce_5362_X.1 cleveland$ gfortran -o time2drain.exe time2drain.for
Macintosh:~/Desktop/TTU_Fall2008/CE_5362_Modeling/ce_5362_X.1 cleveland$ head input.txt
987 tankArea
1 pipeArea
5 deltaTime
5 depth1
0 time1
Macintosh:~/Desktop/TTU_Fall2008/CE_5362_Modeling/ce_5362_X.1 cleveland$ ./time2drain.exe
Macintosh:~/Desktop/TTU_Fall2008/CE_5362_Modeling/ce_5362_X.1 cleveland$ head output.txt
time depth
    0.000    5.000
    5.000    4.950
   10.000    4.900
   15.000    4.850
   20.000    4.801
   25.000    4.752
   30.000    4.703
   35.000    4.654
   40.000    4.606
Macintosh:~/Desktop/TTU_Fall2008/CE_5362_Modeling/ce_5362_X.1 cleveland$
```