

Program Search Solution

See www.teachinglondoncomputing.org/puzzles/ for the question sheet

```

      0 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1
                0 1 2 3 4 5 6
0   i f           ( : 1 = = )           m
1   p       t n i r p           o )       o
2   i   t h a n o i " - " , t m       v
3   e   h a ( p i e c e s , e o       e
4   c   a n           c           v r ,   t
5   e   n o           e l s e : o f m m o
6   s   o i   d   s g n i r m e o o )
7   ( p i e c e s - 1 , o   o v r v
8       m       f 1           t   v o f e :
9   e v o m " ( 1 ,           h e m e f )
10  m o v e f r o m ,           e t   v r r
11  , r e h t o o t h e r ) o   o o e
12   t h a n o i           ,   ,   m m h
13  m o v e f r o m , f r o m " , t
14   , m o v e t o ,           o

```

The words including punctuation as they appear and their positions in the grid are given in the following format: answer (row,column,direction)

| | | | |
|-----------|-----------|------------|-----------|
| def | (6,5,S) | | |
| thanoi | (12,2,E) | | |
| (pieces, | (3,4,E) | else: | (5,7,E) |
| movefrom, | (13,1,E) | thanoi | (2,2,S) |
| moveto, | (8,2,S) | (pieces-1, | (7,0,E) |
| other): | (14,16,N) | movefrom, | (12,14,N) |
| if | (0,0,E) | other, | (7,10,S) |
| pieces | (1,0,S) | moveto) | (6,12,N) |
| == | (0,10,E) | thanoi | (2,2,E) |
| 1: | (0,8,E) | (1, | (9,5,E) |
| print | (1,7,W) | movefrom, | (10,0,E) |
| ("move | (5,9,W) | moveto, | (14,3,E) |
| ring | (6,11,W) | other) | (11,6,E) |
| from", | (13,10,E) | thanoi | (1,3,S) |
| movefrom, | (5,15,S) | (pieces-1, | (0,7,S) |
| "-", | (2,8,E) | other, | (11,5,W) |
| moveto) | (0,16,S) | moveto, | (6,12,S) |
| | | movefrom) | (9,13,N) |