

scout_bearing_to_compasspoint.py

0.0 => ['N']

90.0 => ['E']

```
#####
#
# POST: 0.0 => N
#
#      1      2      3      4      5 - Easting
#
#      5      A      B      C      D      E
#      4      F      G      H      J      K      I
#      3      L      M      N      O      P
#      2      Q      R      S      T      U
#      1      V      W      X      Y      Z
#
#      \
#      Northing
#
#####
```

```
#####
#
# POST: 22.5 => NNE
#
#      1      2      3      4      5 - Easting
#
#      5      D      H      G      A      T
#      4      Z      W      Q      M      N      J
#      3      Y      L      V      R      P
#      2      C      B      X      I      F
#      1      K      E      S      U      O
#
#      \
#      Northing
#
#####
```

```
#####
#
# POST: 45.0 => NE
#
#      1      2      3      4      5 - Easting
#
#      5      E      Y      Z      Q      A
#      4      B      G      L      O      J      T
#      3      H      P      S      V      M
#      2      U      N      I      D      F
#      1      X      R      K      W      C
#
#      \
#      Northing
#
#####
```

```
#####
#
# POST: 67.5 => ENE
#
#      1      2      3      4      5 - Easting
#
#      5      K      W      R      Z      F
#      4      L      A      J      B      X      V
#      3      M      N      Q      D      C
#      2      S      E      U      O      H
#      1      P      T      I      G      Y
#
#      \
#      Northing
#
#####
```

```
#####
#
# POST: 90.0 => E
#
#      1      2      3      4      5 - Easting
#
#      5      H      F      I      R      W
#      4      Z      Q      X      Y      B      V
#      3      T      A      G      J      U
#      2      L      N      K      O      D
#      1      S      E      P      M      C
#
#      \
#      Northing
#
#####

#####
#
# POST: 112.5 => ESE
#
#      1      2      3      4      5 - Easting
#
#      5      L      F      I      U      V
#      4      N      Q      T      G      P      A
#      3      C      J      X      H      Y
#      2      S      O      M      W      Z
#      1      D      R      K      B      E
#
#      \
#      Northing
#
#####

#####
#
# POST: 135.0 => SE
#
#      1      2      3      4      5 - Easting
#
#      5      S      K      F      V      L
#      4      O      T      P      Y      N      I
#      3      A      G      Z      E      M
#      2      Q      U      C      W      J
#      1      X      R      B      D      H
#
#      \
#      Northing
#
#####

#####
#
# POST: 157.5 => SSE
#
#      1      2      3      4      5 - Easting
#
#      5      W      A      Z      Y      C
#      4      R      T      E      I      S      P
#      3      V      K      B      H      L
#      2      D      J      U      O      Q
#      1      G      X      F      N      M
#
#      \
#      Northing
#
#####
```

```
#####
#
# POST: 180.0 => S
#
#      1      2      3      4      5 - Easting
#
#      5      U      R      Z      C      N
#      4      B      V      K      M      A      S
#      3      F      I      W      J      P
#      2      O      D      H      E      G
#      1      Q      Y      T      X      L
#
#      \
#      Northing
#
#####

#####
#
# POST: 270.0 => W
#
#      1      2      3      4      5 - Easting
#
#      5      O      G      H      S      C
#      4      J      F      L      W      E      A
#      3      T      Z      R      M      X
#      2      N      D      Q      Y      P
#      1      V      U      B      K      I
#
#      \
#      Northing
#
#####

#####
#
# POST: 202.5 => SSW
#
#      1      2      3      4      5 - Easting
#
#      5      P      U      V      C      R
#      4      E      K      I      G      T      M
#      3      H      F      D      Q      Z
#      2      O      J      A      Y      L
#      1      W      X      N      B      S
#
#      \
#      Northing
#
#####

#####
#
# POST: 292.5 => WNW
#
#      1      2      3      4      5 - Easting
#
#      5      N      B      P      U      Z
#      4      J      Y      T      H      W      A
#      3      F      O      V      E      D
#      2      M      K      Q      I      R
#      1      C      S      G      L      X
#
#      \
#      Northing
#
=====

#####
#
# POST: 225.0 => SW
#
#      1      2      3      4      5 - Easting
#
#      5      U      R      K      G      H
#      4      F      Y      B      V      I      M
#      3      E      J      X      N      L
#      2      Q      T      A      Z      P
#      1      C      O      D      W      S
#
#      \
#      Northing
#
=====

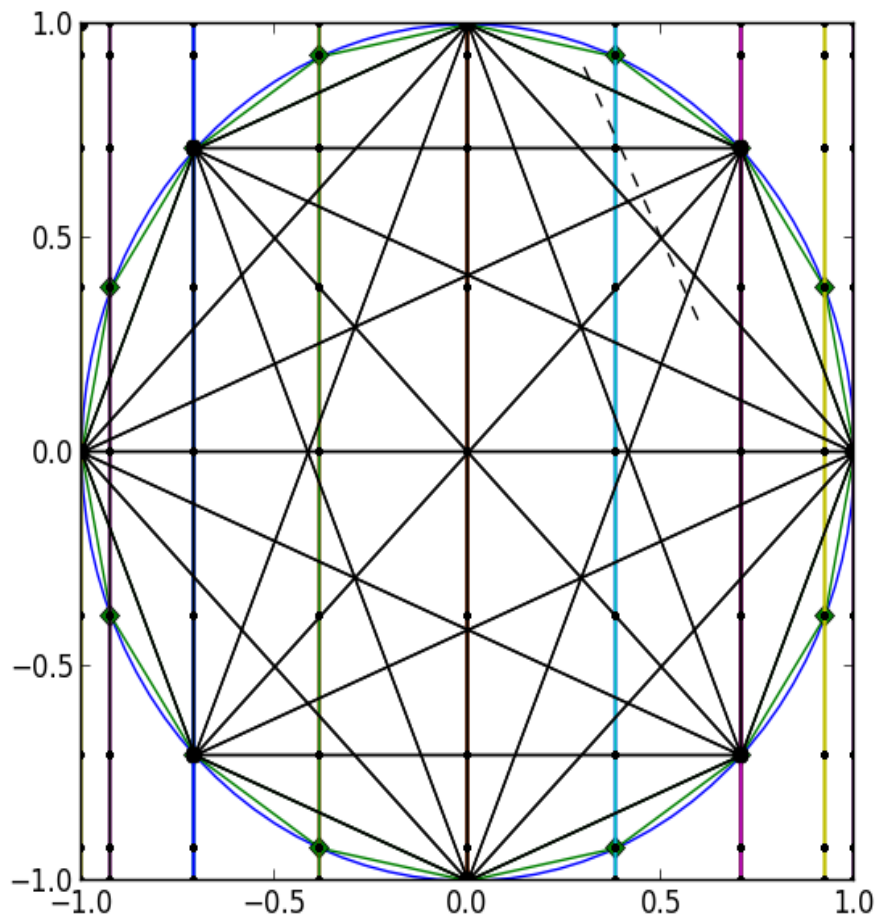
#####
#
# POST: 315.0 => NW
#
#      1      2      3      4      5 - Easting
#
#      5      W      N      E      Z      L
#      4      M      H      J      Q      F      I
#      3      U      A      D      P      O
#      2      G      V      K      X      B
#      1      R      T      S      C      Y
#
#      \
#      Northing
#
#####

#####
#
# POST: 247.5 => WSW
#
#      1      2      3      4      5 - Easting
#
#      5      T      K      O      A      N
#      4      P      F      E      W      C      Y
#      3      Z      L      J      G      D
#      2      R      V      M      U      X
#      1      I      Q      B      S      H
#
#      \
#      Northing
#
#####

#####
#
# POST: 337.5 => NNW
#
#      1      2      3      4      5 - Easting
#
#      5      G      P      C      E      W
#      4      B      H      I      J      M      Z
#      3      D      Y      O      T      K
#      2      U      Q      N      L      A
#      1      F      X      R      V      S
#
#      \
#      Northing
#
=====
```

```
#####
#
# We are what we pretend to be,
# so we must be careful about what we pretend to be.
#
# - Kurt Vonnegut
#
#####
```

```
#####
#
#
#
# ---
#
#
# --- ,
#
#
# ---
#
#
# --- .
#
#
#####
```



```
#####
#
# Word 1
# START at POST: 315.0 => NW
#
# 1. Follow bearing 90.0 to next Post,
#   Record letter @ Easting 4, Northing 1 _____
#   DEBUG post:45.0 (0.71,0.71) c:w
# 2. Follow bearing 157.5 to next Post,
#   Record letter @ Easting 2, Northing 1 _____
#   DEBUG post:90.0 (1.00,0.00) c:e
#
#####
# # Word 1 is We, post path is [315.0, 45.0, 90.0]
#####
#####
#
# Word 2
# START at POST: 0.0 => N
#
# 1. Follow bearing 112.5 to next Post,
#   Record letter @ Easting 0, Northing 5 _____
#   DEBUG post:45.0 (0.71,0.71) c:a
# 2. Follow bearing 213.75 to next Post,
#   Record letter @ Easting 0, Northing 5 _____
#   DEBUG post:202.5 (-0.38,-0.92) c:r
# 3. Follow bearing 101.25 to next Post,
#   Record letter @ Easting 4, Northing 2 _____
#   DEBUG post:180.0 (0.00,-1.00) c:e
#
#####
# # Word 2 is are, post path is [0.0, 45.0, 202.5, 180.0]
#####
#####
#
# Word 3
# START at POST: 22.5 => NNE
```

```
#
# 1. Follow bearing 247.5 to next Post,
#   Record letter @ Easting 0, Northing 4 _____
#   DEBUG post:292.5 (-0.92,0.38) c:w
# 2. Follow bearing 112.5 to next Post,
#   Record letter @ Easting 4, Northing 3 _____
#   DEBUG post:112.5 (0.92,-0.38) c:h
# 3. Follow bearing 315.0 to next Post,
#   Record letter @ Easting 0, Northing 2 _____
#   DEBUG post:337.5 (-0.38,0.92) c:a
# 4. Follow bearing 101.25 to next Post,
#   Record letter @ Easting 6, Northing 4 _____
#   DEBUG post:45.0 (0.71,0.71) c:t
#
#####
# # Word 3 is what, post path is [22.5, 292.5, 112.5,
337.5, 45.0]
```

```
#####
#
# Word 4
# START at POST: 135.0 => SE
#
# 1. Follow bearing 33.75 to next Post,
#   Record letter @ Easting 4, Northing 2 _____
#   DEBUG post:112.5 (0.92,-0.38) c:w
# 2. Follow bearing 236.25 to next Post,
#   Record letter @ Easting 4, Northing 2 _____
#   DEBUG post:180.0 (0.00,-1.00) c:e
#
#####
# # Word 4 is we, post path is [135.0, 112.5, 180.0]
#####
#####
#
# Word 5
```

START at POST: 22.5 => NNE

1. Follow bearing 281.25 to next Post,
Record letter @ Easting 0, Northing 3 _____
DEBUG post:0.0 (-0.00,1.00) c:p
2. Follow bearing 135.0 to next Post,
Record letter @ Easting 4, Northing 5 _____
DEBUG post:90.0 (1.00,0.00) c:r
3. Follow bearing 281.25 to next Post,
Record letter @ Easting 4, Northing 3 _____
DEBUG post:292.5 (-0.92,0.38) c:e
4. Follow bearing 67.5 to next Post,
Record letter @ Easting 0, Northing 5 _____
DEBUG post:22.5 (0.38,0.92) c:t
5. Follow bearing 180.0 to next Post,
Record letter @ Easting 3, Northing 4 _____
DEBUG post:157.5 (0.38,-0.92) c:e
6. Follow bearing 303.75 to next Post,
Record letter @ Easting 1, Northing 2 _____
DEBUG post:270.0 (-1.00,0.00) c:n
7. Follow bearing 146.25 to next Post,
Record letter @ Easting 3, Northing 3 _____
DEBUG post:202.5 (-0.38,-0.92) c:d

Word 5 is pretend, post path is [22.5, 0.0, 90.0,
292.5, 22.5, 157.5, 270.0, 202.5]

START at POST: 225.0 => SW

1. Follow bearing 123.75 to next Post,
Record letter @ Easting 4, Northing 1 _____
DEBUG post:202.5 (-0.38,-0.92) c:b
2. Follow bearing 348.75 to next Post,
Record letter @ Easting 3, Northing 5 _____
DEBUG post:315.0 (-0.71,0.71) c:e

Word 7 is be,, post path is [225.0, 202.5, 315.0]

Word 8
START at POST: 67.5 => ENE

1. Follow bearing 315.0 to next Post,
Record letter @ Easting 3, Northing 1 _____
DEBUG post:22.5 (0.38,0.92) c:s
2. Follow bearing 146.25 to next Post,
Record letter @ Easting 4, Northing 2 _____
DEBUG post:90.0 (1.00,0.00) c:o

Word 8 is so, post path is [67.5, 22.5, 90.0]

Word 6
START at POST: 112.5 => ESE

1. Follow bearing 326.25 to next Post,
Record letter @ Easting 4, Northing 2 _____
DEBUG post:0.0 (-0.00,1.00) c:t
2. Follow bearing 258.75 to next Post,
Record letter @ Easting 3, Northing 3 _____
DEBUG post:337.5 (-0.38,0.92) c:o

Word 6 is to, post path is [112.5, 0.0, 337.5]

Word 7

Word 9
START at POST: 45.0 => NE

1. Follow bearing 292.5 to next Post,
Record letter @ Easting 2, Northing 1 _____
DEBUG post:0.0 (-0.00,1.00) c:w
2. Follow bearing 202.5 to next Post,
Record letter @ Easting 1, Northing 3 _____
DEBUG post:225.0 (-0.71,-0.71) c:e

Word 9 is we, post path is [45.0, 0.0, 225.0]

Word 10

```
# START at POST: 247.5 => WSW
#
# 1. Follow bearing 56.25 to next Post,
#   Record letter @ Easting 0, Northing 3 _____
#   DEBUG post:45.0 (0.71,0.71) c:m
# 2. Follow bearing 180.0 to next Post,
#   Record letter @ Easting 2, Northing 2 _____
#   DEBUG post:135.0 (0.71,-0.71) c:u
# 3. Follow bearing 326.25 to next Post,
#   Record letter @ Easting 0, Northing 1 _____
#   DEBUG post:337.5 (-0.38,0.92) c:s
# 4. Follow bearing 146.25 to next Post,
#   Record letter @ Easting 2, Northing 4 _____
#   DEBUG post:135.0 (0.71,-0.71) c:t
#
#####
# # Word 10 is must, post path is [247.5, 45.0, 135.0,
337.5, 135.0]
#####
#####
#
# Word 11
# START at POST: 337.5 => NNW
#
# 1. Follow bearing 101.25 to next Post,
#   Record letter @ Easting 1, Northing 4 _____
#   DEBUG post:45.0 (0.71,0.71) c:b
# 2. Follow bearing 180.0 to next Post,
#   Record letter @ Easting 4, Northing 3 _____
#   DEBUG post:135.0 (0.71,-0.71) c:e
#
#####
# # Word 11 is be, post path is [337.5, 45.0, 135.0]
```

```
#####
#
# Word 12
# START at POST: 315.0 => NW
#
# 1. Follow bearing 78.75 to next Post,
#   Record letter @ Easting 1, Northing 2 _____
#   DEBUG post:22.5 (0.38,0.92) c:c
# 2. Follow bearing 281.25 to next Post,
#   Record letter @ Easting 1, Northing 5 _____
#   DEBUG post:0.0 (-0.00,1.00) c:a
# 3. Follow bearing 225.0 to next Post,
#   Record letter @ Easting 3, Northing 3 _____
#   DEBUG post:270.0 (-1.00,0.00) c:r
# 4. Follow bearing 146.25 to next Post,
#   Record letter @ Easting 1, Northing 4 _____
#   DEBUG post:202.5 (-0.38,-0.92) c:e
# 5. Follow bearing 348.75 to next Post,
```

```
#   Record letter @ Easting 0, Northing 4 _____
#   DEBUG post:315.0 (-0.71,0.71) c:f
# 6. Follow bearing 123.75 to next Post,
#   Record letter @ Easting 4, Northing 5 _____
#   DEBUG post:112.5 (0.92,-0.38) c:u
# 7. Follow bearing 270.0 to next Post,
#   Record letter @ Easting 2, Northing 3 _____
#   DEBUG post:247.5 (-0.92,-0.38) c:l
#
#####
# # Word 12 is careful, post path is [315.0, 22.5, 0.0,
270.0, 202.5, 315.0, 112.5, 247.5]
#####
#####
#
# Word 13
# START at POST: 22.5 => NNE
#
# 1. Follow bearing 270.0 to next Post,
#   Record letter @ Easting 0, Northing 2 _____
#   DEBUG post:337.5 (-0.38,0.92) c:a
# 2. Follow bearing 168.75 to next Post,
#   Record letter @ Easting 1, Northing 4 _____
#   DEBUG post:180.0 (0.00,-1.00) c:b
# 3. Follow bearing 0.0 to next Post,
#   Record letter @ Easting 4, Northing 3 _____
#   DEBUG post:0.0 (-0.00,1.00) c:o
# 4. Follow bearing 247.5 to next Post,
#   Record letter @ Easting 1, Northing 3 _____
#   DEBUG post:315.0 (-0.71,0.71) c:u
# 5. Follow bearing 123.75 to next Post,
#   Record letter @ Easting 3, Northing 4 _____
#   DEBUG post:112.5 (0.92,-0.38) c:t
#
#####
# # Word 13 is about, post path is [22.5, 337.5, 180.0,
0.0, 315.0, 112.5]
#####
#####
#
# Word 14
# START at POST: 315.0 => NW
#
# 1. Follow bearing 112.5 to next Post,
#   Record letter @ Easting 0, Northing 5 _____
#   DEBUG post:90.0 (1.00,0.00) c:w
# 2. Follow bearing 348.75 to next Post,
#   Record letter @ Easting 0, Northing 2 _____
#   DEBUG post:67.5 (0.92,0.38) c:h
# 3. Follow bearing 247.5 to next Post,
#   Record letter @ Easting 4, Northing 5 _____
#   DEBUG post:247.5 (-0.92,-0.38) c:a
# 4. Follow bearing 45.0 to next Post,
#   Record letter @ Easting 0, Northing 5 _____
#   DEBUG post:22.5 (0.38,0.92) c:t
#
```

```
#####
# # Word 14 is what, post path is [315.0, 90.0, 67.5,
247.5, 22.5]
#####
#####
#
# Word 15
# START at POST: 112.5 => ESE
#
# 1. Follow bearing 326.25 to next Post,
#   Record letter @ Easting 2, Northing 1 _____
#   DEBUG post:0.0 (-0.00,1.00) c:w
# 2. Follow bearing 191.25 to next Post,
#   Record letter @ Easting 1, Northing 4 _____
#   DEBUG post:202.5 (-0.38,-0.92) c:e
#
#####
# # Word 15 is we, post path is [112.5, 0.0, 202.5]
```

```
#####
#
# Word 16
# START at POST: 315.0 => NW
#
# 1. Follow bearing 146.25 to next Post,
#   Record letter @ Easting 6, Northing 4 _____
#   DEBUG post:157.5 (0.38,-0.92) c:p
# 2. Follow bearing 22.5 to next Post,
#   Record letter @ Easting 3, Northing 5 _____
#   DEBUG post:67.5 (0.92,0.38) c:r
```

```
# 3. Follow bearing 202.5 to next Post,
#   Record letter @ Easting 3, Northing 4 _____
#   DEBUG post:157.5 (0.38,-0.92) c:e
# 4. Follow bearing 22.5 to next Post,
#   Record letter @ Easting 2, Northing 1 _____
#   DEBUG post:67.5 (0.92,0.38) c:t
# 5. Follow bearing 225.0 to next Post,
#   Record letter @ Easting 1, Northing 4 _____
#   DEBUG post:202.5 (-0.38,-0.92) c:e
# 6. Follow bearing 56.25 to next Post,
#   Record letter @ Easting 2, Northing 2 _____
#   DEBUG post:90.0 (1.00,0.00) c:n
# 7. Follow bearing 213.75 to next Post,
#   Record letter @ Easting 1, Northing 2 _____
#   DEBUG post:157.5 (0.38,-0.92) c:d
#
#####
# # Word 16 is pretend, post path is [315.0, 157.5, 67.5,
157.5, 67.5, 202.5, 90.0, 157.5]
#####
#####
#
# Word 17
# START at POST: 337.5 => NNW
#
# 1. Follow bearing 101.25 to next Post,
#   Record letter @ Easting 6, Northing 4 _____
#   DEBUG post:45.0 (0.71,0.71) c:t
# 2. Follow bearing 202.5 to next Post,
#   Record letter @ Easting 1, Northing 2 _____
#   DEBUG post:180.0 (0.00,-1.00) c:o
#
#####
# # Word 17 is to, post path is [337.5, 45.0, 180.0]
#####
#####
#
# Word 18
# START at POST: 180.0 => S
#
# 1. Follow bearing 0.0 to next Post,
#   Record letter @ Easting 2, Northing 5 _____
#   DEBUG post:0.0 (-0.00,1.00) c:b
# 2. Follow bearing 146.25 to next Post,
#   Record letter @ Easting 0, Northing 1 _____
#   DEBUG post:112.5 (0.92,-0.38) c:e
#
#####
# # Word 18 is be., post path is [180.0, 0.0, 112.5]
#####
```