Homework 4

Comp 3270

Haden Stuart / has0027

**Problem 1.)**

d=∞

d=3

d=0

π =nil

π =4

π =nil

d=1

π =3

π =5

π =3

d=2

d=1

**Problem 2.)** (discovery, finish)

(17,20)

(1,16)

Tree

(2,7)

Tree

Cross

Tree

Forward

Tree

Back

Tree

(8,15)

Cross

Tree

Tree

Tree

(13,14)

(18,19)

(9,12)

(4,5)

(3,6)

Tree

(10,11)

**Problem 3.)**

Topological Order: p, n, o, s, m, r, y, v, x, w, z, u, q, t

**Problem 4.)**

5

t

x

-2

6

-3

8

7

s

-4

2

7

9

z

y

**Problem 5.)**

9

9

5

2

7

-1

-2

3

4

2

**Problem 6.)**

**Source: s**

t

x

6

4

3

7

2

2

1

s

3

5

6

z

y

**Source: z**

t

x

6

4

3

7

2

2

1

s

3

5

6

z

y