START

A, 0

7

F, Dist = ∞

6

H, Dist = ∞   END

4

2

3

3

2

C, Dist = ∞

E, Dist = ∞

3

3

1

6

1

4

G, Dist = ∞

B, Dist = ∞

D, Dist = ∞

5

8

2

START

A, 0

7

F, Dist = 7

6

H, Dist = ∞

END

4

2

3

3

C, Dist = 4

E, Dist = ∞

3

2

1

6

1

4

G, Dist = ∞

B, Dist = 3

5

D, Dist = ∞

8

START

A, 0

7

F, Dist = 7

6

H, Dist = ∞

4

2

3

3

C, Dist = 4

2

3

E, Dist = ∞

3

2

6

1

4

B, Dist = 3

1

D, Dist = 8

1

G, Dist = ∞

5

8

START

A, 0

7

F, Dist = 7

6

H, Dist = ∞

4

2

3

3

C, Dist = 4

3

E, Dist = ∞

3

2

6

1

1

4

G, Dist = ∞

B, Dist = 3

5

D, Dist = 8

8

START

A, 0

7

F, Dist = 6

4 + 2 = 6
VALUE IS REPLACED WITH 6

6

H, Dist = ∞

4

2

3

C, Dist = 4

3

E, Dist = ∞

3

2

1

6

1

4

G, Dist = ∞

B, Dist = 3

5

D, Dist = 8

8

START

A, 0

7

F, Dist = 6

6

H, Dist = 12

4

2

3

3

2

C, Dist = 4

E, Dist = 9

4

3

1

6

1

G, Dist = ∞

B, Dist = 3

8

D, Dist = 8

5

START

A, 0

7

F, Dist = 6

6

H, Dist = 12

4

2

3

3

2

C, Dist = 4

E, Dist = 9

3

1

6

4

G, Dist = 13

B, Dist = 3

1

8

D, Dist = 8

5

START

A, 0

7

F, Dist = 6

6

H, Dist = 12

4

2

3

3

3

C, Dist = 4

E, Dist = 9

2

1

6

1

4

G, Dist = 13

B, Dist = 3

8

D, Dist = 8

5

START

A, 0

7

F, Dist = 6

6

H, Dist = 12

4

2

3

3

3

C, Dist = 4

E, Dist = 9

3

2

1

6

1

4

G, Dist = 13

B, Dist = 3

5

D, Dist = 8

8

DONE!!

START

A, 0

F, Dist = 6

H, Dist = 12

C, Dist = 4

E, Dist = 9

G, Dist = 13

B, Dist = 3

D, Dist = 8

7

4

2

3

6

3

3

1

6

1

4

2

5

8