­­­Diamond Room

#No matter where you start, Go Left

0 \*\*x\* -> W 0

#Once there is a wall to the Left (Top, Left Wall), Go Down

0 NxWx -> S 0

#Once there is a wall to the Left (Bottom, Left Wall), Go Up

0 xxWS -> N 0

#When you hit the farthest left corner, Go to the Right

0 NxWS -> E 1

#No matter which wall you're by, Go Down

1 \*\*\*x -> S 1

#When you hit the Bottom Left Wall, Go Up

1 \*\*WS -> N 2

#While you're going up & Not around any wall, Continue Up

2 x\*\*\* -> N 2

#When you hit the Top Right wall, Go to the Right

2 NxWx -> E 1

#When you hit the Farthest Top wall, Go Down

2 NEWx -> S 3

#While you're going Down & Not around any wall, Go to the Right

3 \*x\*\* -> E 1

#When you hit the Bottom Right wall, Go Up

1 xExS -> N 2

#When you hit the Top Right wall, Go Down

2 NExx -> S 3

#Starting at the Farthest Down corner, Go Up

0 xEWS -> N 0

#Starting at the Farthest Top corner, Do Down

0 NEWx -> S 0

Extra Credit (Columns Room)

0 xxxx -> W 0

0 xxWx -> N 0

0 xxxS -> N 0

0 Nxxx -> W 0

0 xExx -> W 0

0 NxWx -> S 1

1 xxWx -> S 1

1 xxWS -> E 1

1 xxxS -> N 2

2 xxxx -> N 2

2 Nxxx -> E 2

2 NExx -> S 3

3 xExx -> W 3

3 xxxx -> W 3

3 xxxS -> W 3

3 xxWx -> S 4

4 xxWx -> E 4

4 xxxx -> E 4

4 xxxS -> E 4

4 xExx -> N 5

5 xxxx -> E 5

5 xxxS -> E 5

5 xExx -> S 6

6 xExx -> W 6

6 xxxx -> W 6

6 xxWx -> S 7

7 xxWx -> E 7

7 xxxx -> E 7

7 xExx -> S 7

7 xExS -> W 7

7 xxxS -> N 8

8 xxxx -> N 8

8 Nxxx -> W 9

9 Nxxx -> S 10

10 xxxx -> S 10

10 xxWx -> S 11

11 xxWx -> S 11

11 xxxx -> S 11

11 xxxS -> N 12

12 xxxx -> N 12

12 xxWx -> N 13

13 xxWx -> N 13

13 xxxx -> W 13

13 xxWS -> N 13

13 NxWx -> E 14

14 xxxx -> N 14

14 xxWx -> N 15

15 xxWx -> N 15

15 xxxx -> W 15

15 xxxS -> N 16

16 xxxx -> N 16

16 Nxxx -> W 17

17 Nxxx -> S 17

17 xxxx -> S 17

17 xxxS -> W 18

18 xxxS -> N 18

18 xxxx -> N 18

18 xExx -> W 19

19 xxxx -> W 19

19 xxWx -> S 20

20 xxWx -> E 20

20 xxxx -> E 20

20 Nxxx -> E 20

20 xExx -> S 21

21 xExx -> W 21

21 xxxx -> W 21

21 xxWx -> S 22

22 xxxx -> W 22

22 Nxxx -> W 23

23 Nxxx -> W 23

23 xxxx -> N 23

23 xExx -> N 24

24 xExx -> N 24

24 xxxx -> S 25

25 xExx -> S 25

25 xxxx -> S 25

25 xxxS -> E 26

26 xxxS -> N 26

26 xxxx -> N 26

26 Nxxx -> E 27

27 Nxxx -> S 27

27 xxxx -> S 27

27 xExx -> S 27

27 xxxS -> E 28

28 xxxS -> N 28

28 xxxx -> N 28

28 Nxxx -> E 29

29 Nxxx -> E 29

29 xxxx -> E 29

29 xExx -> N 30

30 xExx -> N 30

30 xxxx -> E 30

30 xExS -> N 31

31 NExx -> W 31

31 xxxx -> N 31

31 xExx -> N 32

32 xExx -> N 32

32 xxxx -> E 33

33 xxxS -> N 33

33 xxxx -> N 34

34 xxxx -> N 35

35 xxxx -> W 35

35 Nxxx -> W 35

35 xxWx -> S 36

36 xxWx -> E 36

36 xxxx -> E 36

36 xExx -> S 37

37 xExx -> W 37

37 xxxx -> W 37

37 xxWx -> S 38

38 xxWx -> E 38

38 xxxx -> E 38

38 xxxS -> W 39

39 xxxx -> S 39

39 xExx -> W 40

40 xxxx -> W 40

40 xxWx -> S 41

41 xxWx -> E 41

41 xxxx -> E 41

41 xExx -> S 42

42 xExx -> W 42

42 xxxx -> W 42

42 xxxS -> W 42

42 xxWx -> E 43

43 xxxx -> E 43

43 xxxS -> E 44

44 xxxS -> E 44

44 xxxx -> S 44

44 xxWx -> E 45

45 xxxx -> E 45

45 NExx -> S 45

45 xExS -> W 46

46 xxxx -> W 46

46 xxWx -> S 47

47 xxWx -> E 47

47 xxxx -> E 47

47 xExx -> S 48

48 xExx -> W 48

48 xxxx -> W 48

48 Nxxx -> W 48

48 xxWx -> S 49

49 xxWx -> E 49

49 xxxx -> E 49

49 xExx -> S 50

50 xxxx -> E 50

50 Nxxx -> E 50

50 xExx -> W 51

51 xxxx -> W 51

51 Nxxx -> W 51

51 xxxS -> W 51

51 xxWx -> S 52

52 xxWx -> E 52

52 xxxx -> E 52

52 xExx -> N 52

52 xxxS -> E 53

53 xxxx -> S 53

53 xxWx -> E 54

54 xxxx -> E 54

54 xExx -> S 55

55 xExx -> W 55

55 xxxx -> W 55

55 Nxxx -> W 55

55 xxWx -> S 56

56 xxWx -> E 57

57 xxxx -> E 57

57 xExx -> S 58

58 xExS -> W 58

58 xxxS -> W 58