0 \*x\*\* -> e 0

0 \*e\*\* -> n 1

1 x\*\*\* -> n 1

1 n\*\*\* -> w 2

2 \*\*x\* -> w 2

2 \*\*w\* -> s 3

3 \*x\*\* -> e 3

3 \*e\*\* -> s 2