

S: 1, 2, 3, 4, 5

Q:

S: ~~2~~ 1

Q: 5, 4, 3, 2

S: 1, 5, 4, 3, 2

Q:

S: 1, 5

Q: 2, 3, 4

S: 1, 5, 2, 3, 4

Q:

S: 1, 5, 2

Q: 4, 3

S: 1, 5, 2, 4, 3

Q:

Keep rotating

between S and Q

while increasing

kept in stack by
1 each time