a. 4 3 2 1 0 9 8 7 6 5:

0 1 2 3 4 5 6 7 8 9

0 1 2 3 4 and pop 4

0 1 2 3 and pop 3

0 1 2 and pop 2

0 1 and pop 1

0 and pop 0

5 6 7 8 9 and pop 9

5 6 7 8 and pop 8

5 6 7 and pop 7

5 6 and pop 6

5 and pop 5

So, this follows the order.

b. 4 6 8 7 5 3 2 9 0 1:

0 1 2 3 4 5 6 7 8 9

0 1 2 3 4 and pop 4

0 1 2 3 5 6 and pop 6

0 1 2 3 5 7 8 and pop 8

0 1 2 3 5 7 and pop 7

0 1 2 3 5 and pop 5

0 1 2 3 and pop 3

0 1 2 and pop 2

0 1 9 and pop 9

0 1 and pop 0: Which is not possible

c. 2 5 6 7 4 8 9 3 1 0:

0 1 2 3 4 5 6 7 8 9

0 1 2 and pop 2

0 1 3 4 5 and pop 5

0 1 3 4 6 and pop 6

0 1 3 4 7 and pop 7

0 1 3 4 and pop 4

0 1 3 8 and pop 8

0 1 3 9 and pop 9

0 1 3 and pop 3

0 1 and pop 1

0 and pop 0: follows the order.

d. 4 3 2 1 0 5 6 7 8 9:

0 1 2 3 4 5 6 7 8 9

0 1 2 3 4 and pop 4

0 1 2 and pop 2

0 1 and pop 1

0 and pop 0

5 and pop 5

6 and pop 6

7 and pop 7

8 and pop 8

9 and pop 9: follows the order.

e. 1 2 3 4 5 6 9 8 7 0:

0 1 2 3 4 5 6 7 8 9

0 1 and pop 1

0 2 and pop 2

0 3 and pop 3

0 4 and pop 4

0 5 and pop 5

0 6 and pop 6

0 7 8 9 and pop 9

0 7 8 and pop 8

0 7 and pop 7

0 and pop 0: follows the order.

f. 0 4 6 5 3 8 1 7 2 9:

0 1 2 3 4 5 6 7 8 9

0 and pop 0

1 2 3 4 and pop 4

1 2 3 5 6 and pop 6

1 2 3 5 and pop 5

1 2 3 and pop 3

1 2 3 7 8 and pop 8

1 2 3 7 and pop 1: Which doesn’t follow the order.

g. 1 4 7 9 8 6 5 3 0 2:

0 1 2 3 4 5 6 7 8 9

0 1 and pop 1

0 2 3 4 and pop 4

0 2 3 5 6 7 and pop 7

0 2 3 5 6 8 9 and pop 9

0 2 3 5 6 8 and pop 8

0 2 3 5 6 and pop 6

0 2 3 5 and pop 5

0 2 3 and pop 3

0 2 and pop 0: Which doesn’t follow the order.

h. 2 1 4 3 6 5 8 7 9 0:

0 1 2 3 4 5 6 7 8 9

0 1 2 and pop 2

0 1 and pop 1

0 3 4 and pop 4

0 3 and pop 3

0 5 6 and pop 6

0 5 and pop 5

0 7 8 and pop 8

0 7 and pop 7

0 9 and pop 9

0 and pop 0: follows the order.