```
5 17
x =  5
i =  4
q =  deque([4])
i =  6
q =  deque([4, 6])
i =  10
q =  deque([4, 6, 10])
x =  4
i =  3
q =  deque([6, 10, 3])
i =  5
q =  deque([6, 10, 3, 5])
i =  8
q =  deque([6, 10, 3, 5, 8])
x =  6
i =  7
q =  deque([10, 3, 5, 8, 7])
i =  12
q =  deque([10, 3, 5, 8, 7, 12])
x =  10
i =  9
q =  deque([3, 5, 8, 7, 12, 9])
i =  11
q =  deque([3, 5, 8, 7, 12, 9, 11])
i =  20
q =  deque([3, 5, 8, 7, 12, 9, 11, 20])
x =  3
i =  2
q =  deque([5, 8, 7, 12, 9, 11, 20, 2])
x =  5
x =  8
i =  16
q =  deque([7, 12, 9, 11, 20, 2, 16])
x =  7
i =  14
q =  deque([12, 9, 11, 20, 2, 16, 14])
x =  12
i =  13
q =  deque([9, 11, 20, 2, 16, 14, 13])
i =  24
q =  deque([9, 11, 20, 2, 16, 14, 13, 24])
x =  9
i =  18
q =  deque([11, 20, 2, 16, 14, 13, 24, 18])
x =  11
i =  22
```

```
q =  deque([20, 2, 16, 14, 13, 24, 18, 22])
x =  20
i =  19
q =  deque([2, 16, 14, 13, 24, 18, 22, 19])
i =  21
q =  deque([2, 16, 14, 13, 24, 18, 22, 19, 21])
i =  40
q =  deque([2, 16, 14, 13, 24, 18, 22, 19, 21, 40])
x =  2
i =  1
q =  deque([16, 14, 13, 24, 18, 22, 19, 21, 40, 1])
x =  16
i =  15
q =  deque([14, 13, 24, 18, 22, 19, 21, 40, 1, 15])
i =  17
q =  deque([14, 13, 24, 18, 22, 19, 21, 40, 1, 15, 17])
i =  32
q =  deque([14, 13, 24, 18, 22, 19, 21, 40, 1, 15, 17, 32])
x =  14
i =  28
q =  deque([13, 24, 18, 22, 19, 21, 40, 1, 15, 17, 32, 28])
x =  13
i =  26
q =  deque([24, 18, 22, 19, 21, 40, 1, 15, 17, 32, 28, 26])
x =  24
i =  23
q =  deque([18, 22, 19, 21, 40, 1, 15, 17, 32, 28, 26, 23])
i =  25
q =  deque([18, 22, 19, 21, 40, 1, 15, 17, 32, 28, 26, 23, 25])
i =  48
q =  deque([18, 22, 19, 21, 40, 1, 15, 17, 32, 28, 26, 23, 25, 48])
x =  18
i =  36
q =  deque([22, 19, 21, 40, 1, 15, 17, 32, 28, 26, 23, 25, 48, 36])
x =  22
i =  44
q =  deque([19, 21, 40, 1, 15, 17, 32, 28, 26, 23, 25, 48, 36, 44])
x =  19
i =  38
q =  deque([21, 40, 1, 15, 17, 32, 28, 26, 23, 25, 48, 36, 44, 38])
x =  21
i =  42
q =  deque([40, 1, 15, 17, 32, 28, 26, 23, 25, 48, 36, 44, 38, 42])
x =  40
i =  39
q =  deque([1, 15, 17, 32, 28, 26, 23, 25, 48, 36, 44, 38, 42, 39])
i =  41
q =  deque([1, 15, 17, 32, 28, 26, 23, 25, 48, 36, 44, 38, 42, 39,
```

```
41])
i =  80
q =  deque([1, 15, 17, 32, 28, 26, 23, 25, 48, 36, 44, 38, 42, 39, 41,
80])
x =  1
i =  0
q =  deque([15, 17, 32, 28, 26, 23, 25, 48, 36, 44, 38, 42, 39, 41,
80, 0])
x =  15
i =  30
q =  deque([17, 32, 28, 26, 23, 25, 48, 36, 44, 38, 42, 39, 41, 80, 0,
30])
x =  17
4
```