

Arcade Frenzy

$$arr [] = \begin{cases} 2, 4, 6, 10, 2, 1 \end{cases}$$
 target = 12 ()

 $arr [] = \begin{cases} 2, 4, 6, 10, 2, 1 \end{cases}$ functions

 $arr [] = \begin{cases} 2, 4, 6, 10, 2, 1 \end{cases}$ functions

 $arr [] = \begin{cases} 2, 4, 6, 10, 2, 1 \end{cases}$ functions

 $arr [] = \begin{cases} 2, 4, 6, 10, 2, 1 \end{cases}$ functions

 $arr [] = \begin{cases} 2, 4, 6, 10, 2, 1 \end{cases}$ functions

 $arr [] = \begin{cases} 2, 4, 6, 10, 2, 1 \end{cases}$ functions

 $arr [] = \begin{cases} 2, 4, 6, 10, 2, 1 \end{cases}$ functions

 $arr [] = \begin{cases} 2, 4, 6, 10, 2, 1 \end{cases}$ functions

 $arr [] = \begin{cases} 2, 4, 6, 10, 2, 1 \end{cases}$ functions

 $arr [] = \begin{cases} 2, 4, 6, 10, 2, 1 \end{cases}$ functions

 $arr [] = \begin{cases} 2, 4, 6, 10, 2, 1 \end{cases}$ functions

 $arr [] = \begin{cases} 2, 4, 6, 10, 2, 1 \end{cases}$ functions

 $arr [] = \begin{cases} 2, 4, 6, 10, 2, 1 \end{cases}$ functions

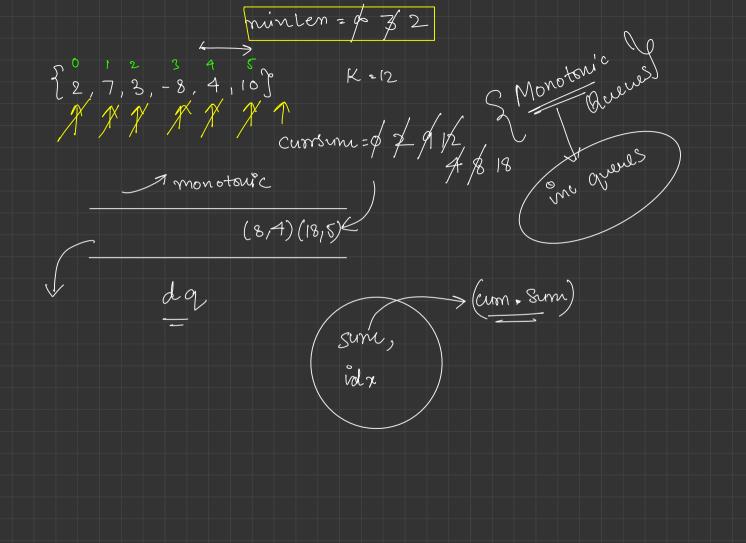
 $arr [] = \begin{cases} 2, 4, 6, 10, 2, 1 \end{cases}$ functions

 $arr [] = \begin{cases} 2, 4, 6, 10, 2, 1 \end{cases}$ functions

 $arr [] = \begin{cases} 2, 4, 6, 10, 2, 10, 2, 1 \end{cases}$ functions

 $arr [] = \begin{cases} 2, 4, 6, 10, 2, 10,$

```
public int arcadeFrenzy(int[] scores, int k) {
                                                                                                                        K=12
    int n = scores.length;
    int minLen = Integer.MAX VALUE;
                                                           cursum= 0 2 8 1/2 1/6 2/ 8/69
minlen: 003
   while (true) {
       while (inc + 1 < n && currSum < k) {
           currSum += scores[inc];
       while (exc < inc && currSum >= k) {
           int len = inc - exc;
           minLen = Math.min(len, minLen);
                                                                                    X
           currSum -= scores[exc];
       if (f1 == false && f2 == false) {
   return minLen == Integer.MAX VALUE ? -1 : minLen;
```



(1) check curr Sum 7 = K len = c+1; len = (E - exc.idx) 2) toy to exc. people len = (\epsilon - exc. idx)

people to be exc one at first pos of day 3 Make da Monotonic add yourself

```
public int arcadeFrenzy(int[] scores, int k) {
   int n = scores.length;
                                                             2,7,3,-8,4,109
   Deque<Pair> dq = new ArrayDeque<>();
                                                               XXXXXXX
   int minLen = Integer.MAX VALUE;
                                                                                 cursum = $ $ 9 1× 48
                                                               K=12
   for (int i = 0; i < n; i++) {
      currSum += scores[i];
                                                                                 minlen: 00 x 2
      if (currSum >= k) {
          minLen = Math.min(len, minLen);
                                                                                 (8,4) (18,5)
      while (dq.size() > 0 && currSum - dq.getFirst().sum >= k) {
          int len = i - dq.getFirst().idx;
          minLen = Math.min(len, minLen);
      while (dq.size() > 0 && dq.getLast().sum > currSum) {
          dq.removeLast();
      dq.addLast(new Pair(currSum, i));
                                                         Stc: O(N) 70
Sc: O(N)
   return minLen == Integer.MAX VALUE ? -1 : minLen;
```