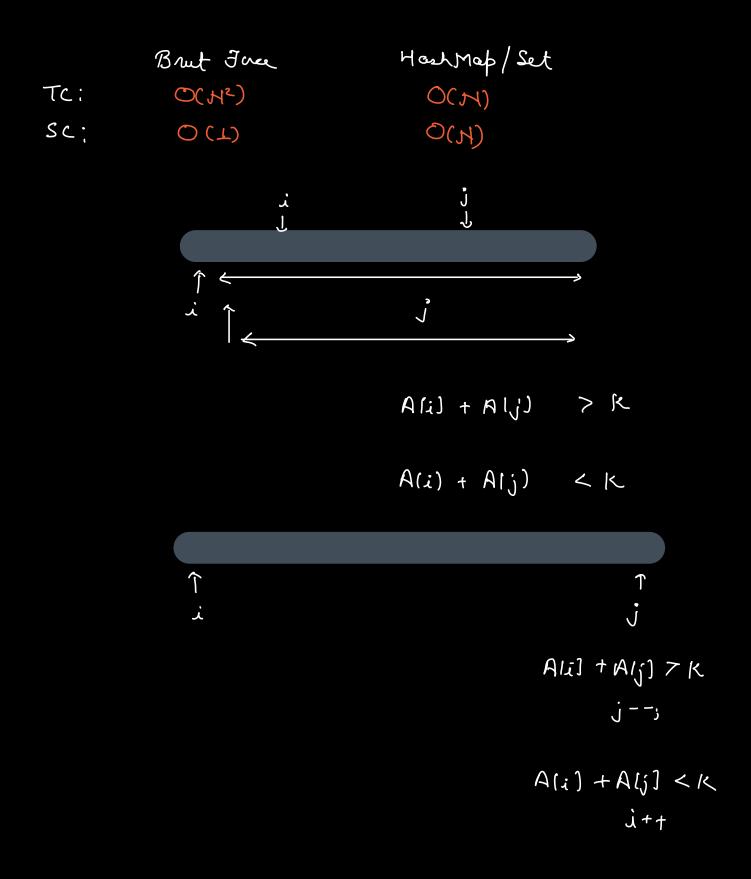
Θ



```
toolean two Sum ( int [ ] A, K) {
            i = 0, j = N-1;
            While (i < j) {
                    if ( Ali) + A(j) = = x){
TC: OCH)
                              ret true;
Sc: O(1)
                    if (Ali) + A[j) > K) {
                     else {
                        1++;
          ret fahe;
   Diff K
       Cervien a sorted among.
           Such Stat
                      Ali) - Alj] == K (K>=0)
                       i != j
   0 1 2 3 4 5 6 7 8 9
-3 0 1 3 6 8 11 14 21 25 K=5
```

```
-3 0 1 3 6 8 11 14 21 25

1 3 6 8 11 14 21 25
               Alj] - Ali] > K
                                            K=<u>S</u>
                 x- y
   -3 O 1 3 6 8 11 14 21 25
          diff ( vint() A, K) {
boolean
           unt 2=0, j=1;
           While ( j<N)
                   if (Alj]-Ali) ==K)
TC: OCN)
                               ret brue;
Sc: O(1)
( Katre)
                    éf (Alj]-Ali) > K) {
                            if ( i = = j) j++;
                     ehe {
                         j++;
                                   - Count no of koin
          ret fahe;
```

man (Asi), B[j], C[K]) - mein (Asi), B[j], C[K]) is minimized.

A:
$$\frac{3}{14}$$
 $\frac{3}{16}$ $\frac{3}{23}$ \Rightarrow $\frac{3}{24}$ $\frac{3}{30}$ \Rightarrow $\frac{3}{5}$ $\frac{3}{5}$ \Rightarrow $\frac{3}{5}$

j	7	K	man (Asi), B(j), C(K)	men (Ali), B[j], C[K])	diff
0	0	0	3	-12	78 €
0	\circ	L	15	-6	21
0	0	2_	26	-6	32
	;		<u>,</u>	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	,
1	2	3	31	14	1
3	1	2	26	2 3	3

A: 3 14 16 23 $\frac{3}{24}$ 30 $\frac{1}{24}$ 30 $\frac{3}{24}$ 30 $\frac{3}{24}$ 31

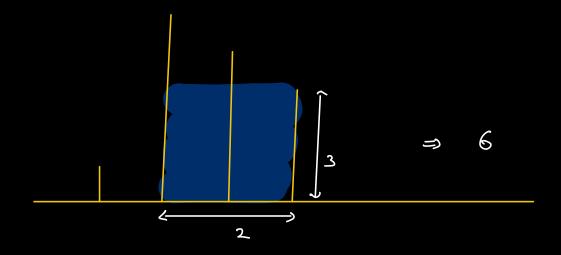
7.	j	اد	mon	min	diff
0	0	\mathcal{O}	3	- <u>1</u> S	78
0	0	1	<u>1</u> S	-6	2 <u>1</u>
0	1	上	23	3	20
上	7	1	23	14	9
2	l	1	23	12	E
2	l	2	26	16	70
3	l	2	26	23	3 ←
3	2	2	<i>2</i> 6	23	_3

TC: 0 (a+6+0)

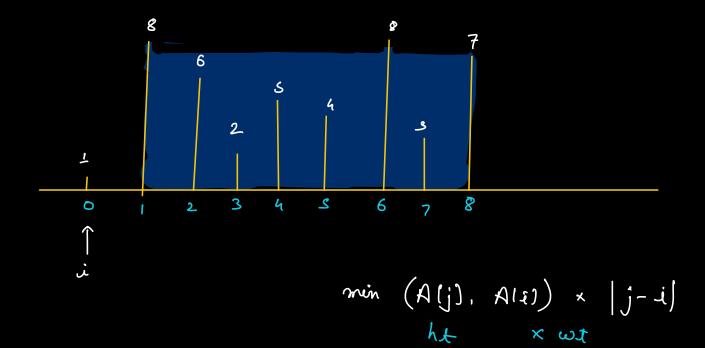
sc: 0(1)

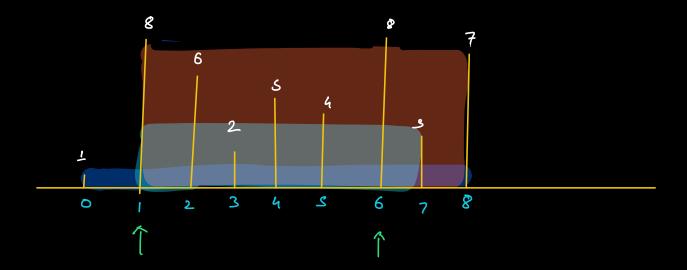


A: 1 5 4 3



A: 186254837





TC: OCN)

Sc: (1)
(Ent.)

ans = mare (ans, min (Ali), A(j)) \times (j-i)); if (A(i) < A(j)) i++; the j--;

ret an;