8 3

1 3 -1 -3 5 3 6 7

1_0 3_1 -1_2 -3_3 2_4 3_5 6_6 7_7 ep

4 2

3 3 2 _ _ _

```
while (ep < n) {
  Add ep-th person to DQ
  sp++
  Find ans for this window
  ep++
}
```

add fst   rem fst
add lst   rem last

S = ADOBECODEBANC
t = ABCB

A D O B B C O D E B A N C B
A B C B

ans = BANCB
len = 5
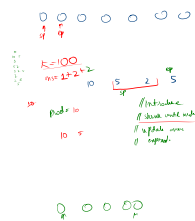
Curr	
A:1	C:1
B:0	C:0
B:0	
C:1	N=1
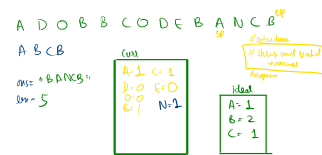
Ideal
A = 1
B = 2
C = 1

```
sp = 0
ep = 0
len = ∞
ans = ""
curr = {}
ideal = {}
for (int i=0; i < t.len; i++) {
  ideal[t.char(i)]++
}

while (ep < s.length) {
  // introduce
  curr[s.charAt[ep]]++

  // shrink untilvalid
  while (are matching (curr, ideal)) {
    Consider for ans
    curr[s.char[sp]]--
    sp++
  }

  // expand
  ep++
}
```

---

k = 100
ans = 2*2 = 2

Pods =

// introduce
// shrink until valid
// update ans
// expand