

Frequency Array

0	1	2	3	4	5	6
0	4	2	0	1	2	3

The value 1 shows up 4 times.

The value 2 shows up 2 times.

The value 3 shows up 0 times.

The value 4 shows up 1 time.

The value 5 shows up 2 times.

The value 6 shows up 3 times.

Can store values by themselves: 1, 4, 2, 3

OR I can store their frequencies:

0	1	2	3	4	5	6
0	1	1	1	1	0	0

Keep a frequency array...

If it shows 0 at the end, that means that you never had to learn the knot.

If it shows 1 at the end, then you had to learn it, but never did.

If it shows 2 at the end, then you had to learn it and you did.

Slide Count

Straight-forward

Do the algorithm

When doing it, for each window, add 1 to the frequency of each item in that window

	1	2	3	4	5	6
	0	0	0	0	0	0
(1,1)	1	0	0	0	0	0
(1,2)	2	1	0	0	0	0
(1,3)	3	2	1	0	0	0
(2,3)	3	3	2	0	0	0
(3,3)	3	3	3	0	0	0
(3,4)	3	3	4	1	0	0
(4,4)	3	3	4	2	0	0
(5,4)	3	3	4	2	0	0
(5,5)	3	3	4	2	1	0
(6,5)	3	3	4	2	1	0

For each window, in the index range, add 1 to each slot for the range in the frequency array.