

\* Fruit Into Baskets

1, 0, 1, 4, 1, 4, 1, 2, 3

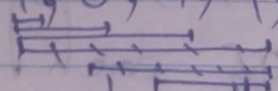
We can ignore some from a same category.

EDUCATION IS THE BEST INVESTMENT

use sliding window solution

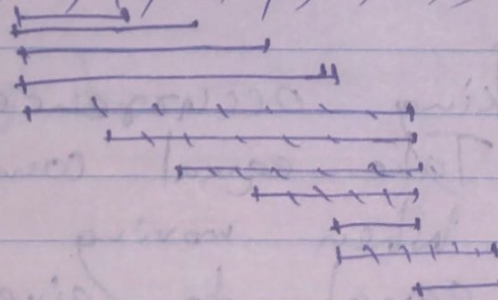
left & right pointers. Map to track occurrences

1, 0, 1, 4, 1, 4, 1, 2, 3



when there are 3 distinct, move left pointer ~~to~~ till distincts = 2

1, 0, 1, 4, 1, 4, 1, 2, 3



calculate the max size in valid distinct counts.

$O(2n) = O(n)$   
 incrementally  
 $O(1)$