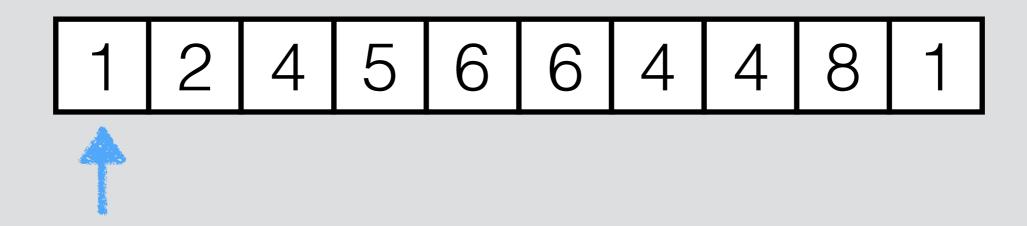
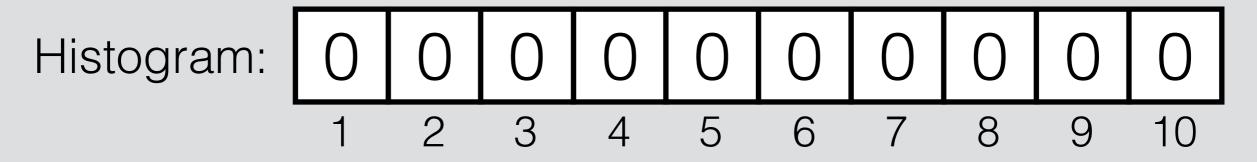
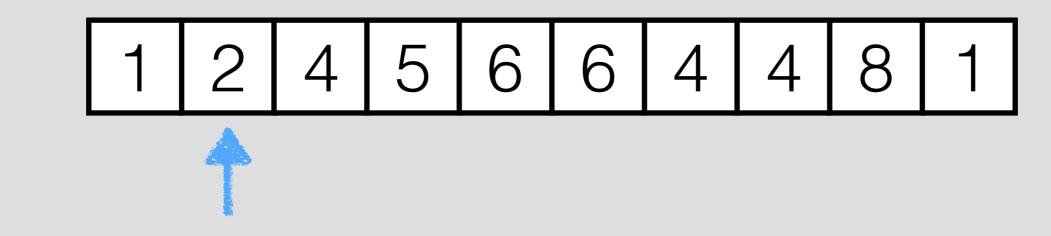
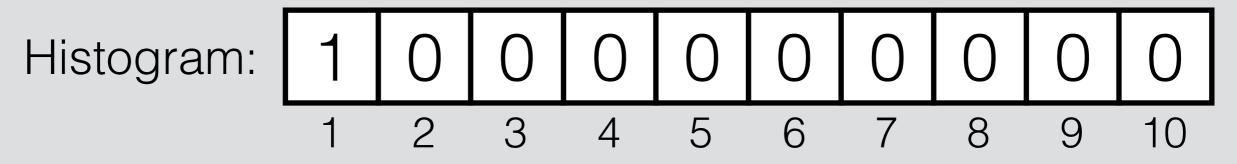
## Counting sort

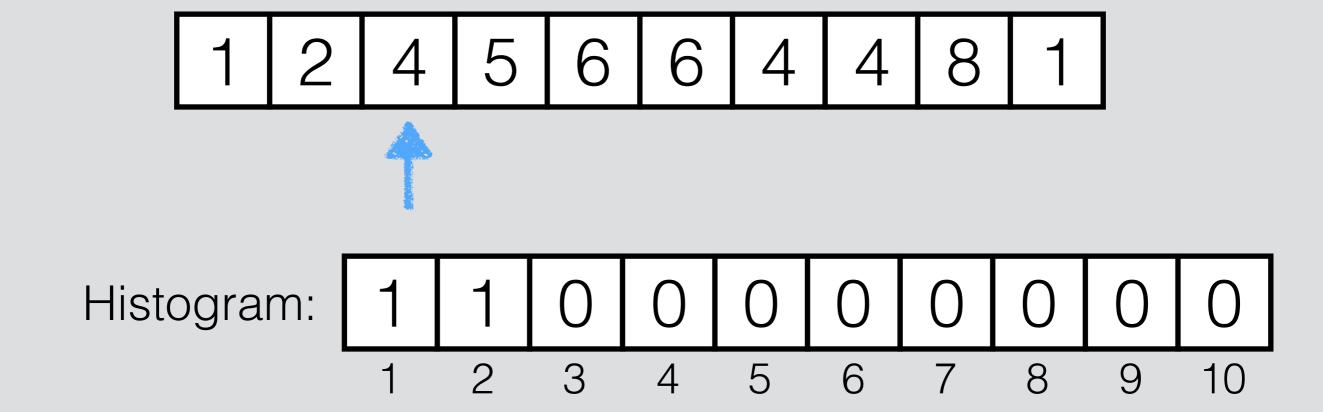
1 2 4 5 6 6 4 4 8 1

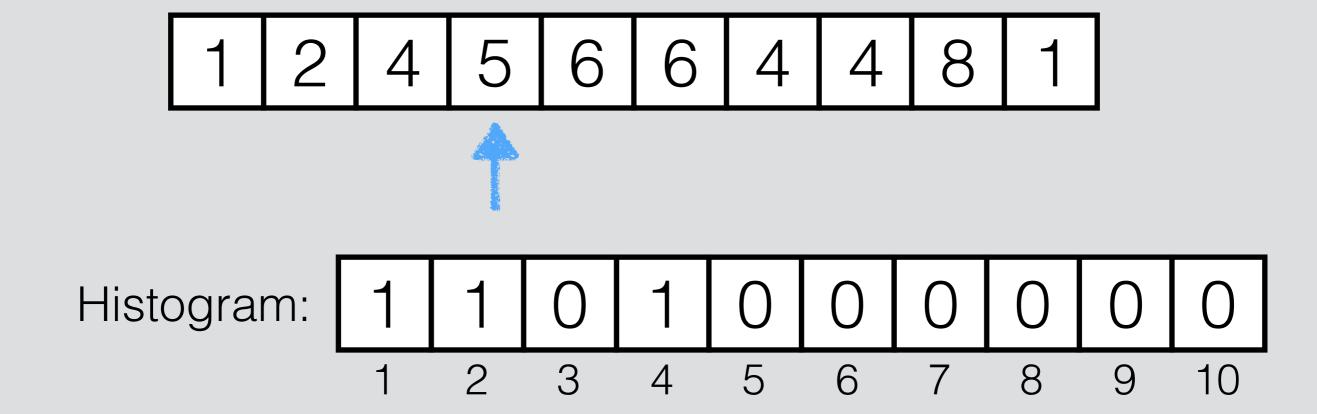


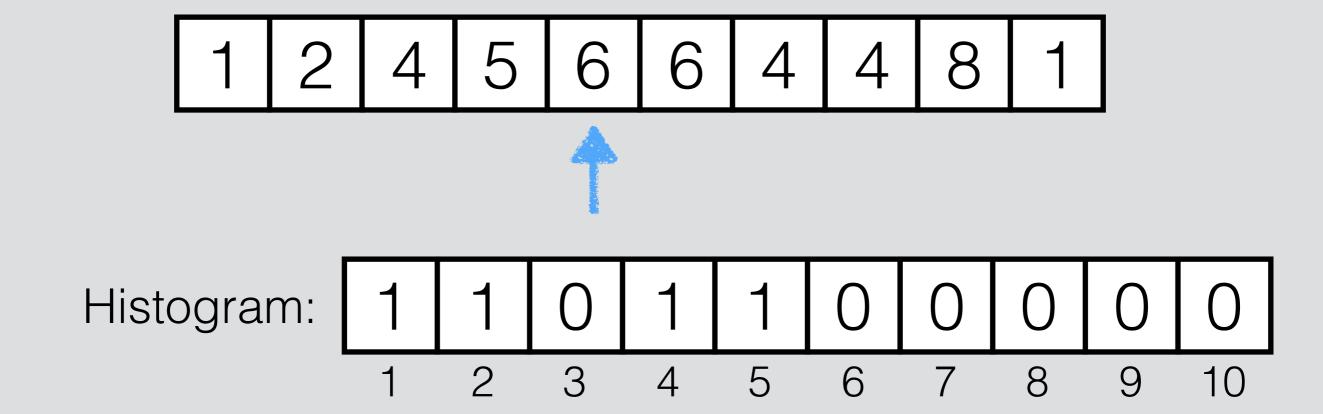


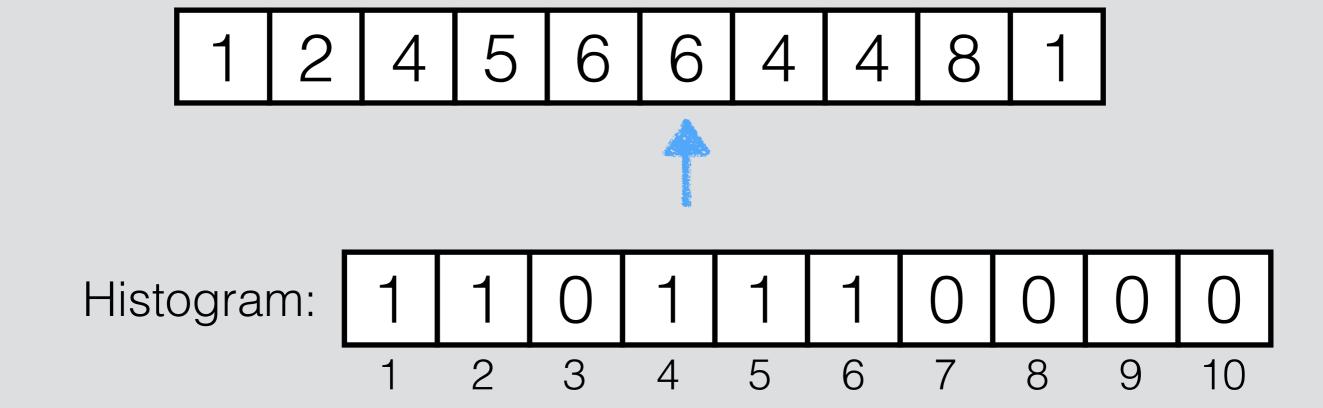


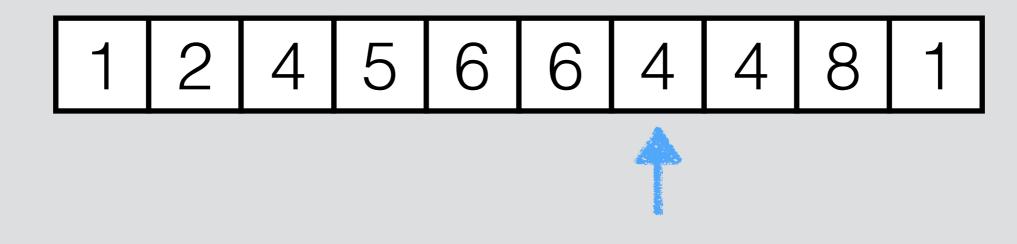


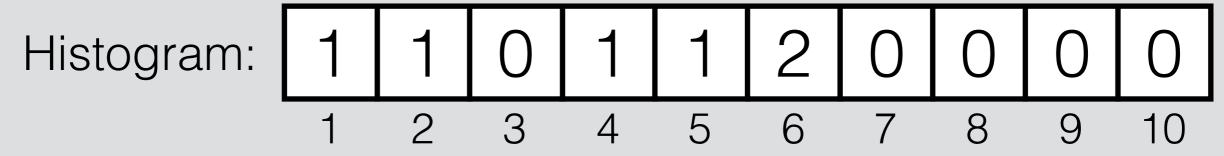


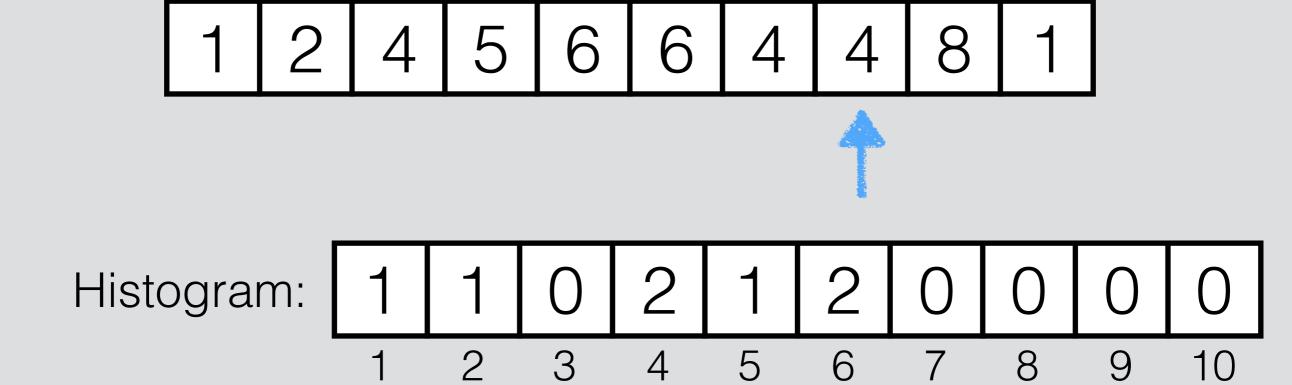


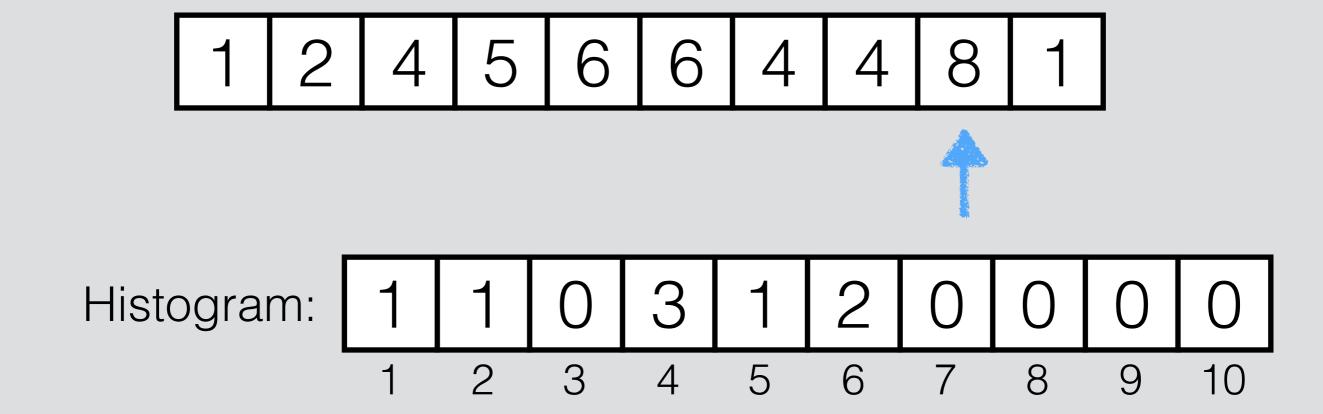


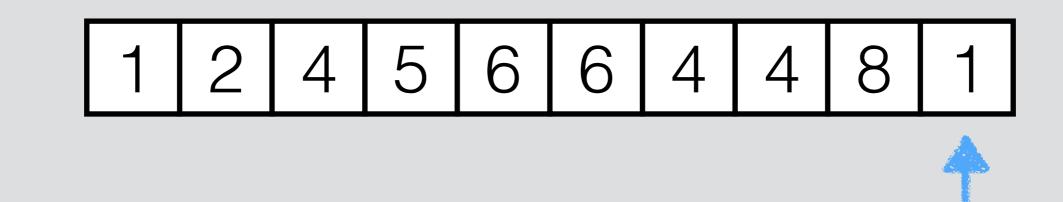


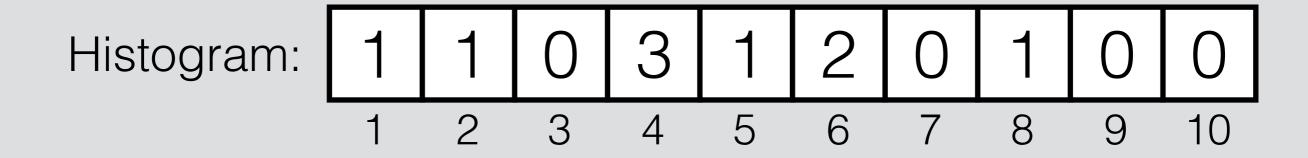










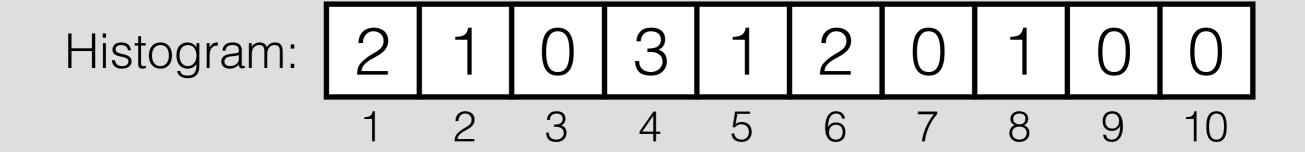


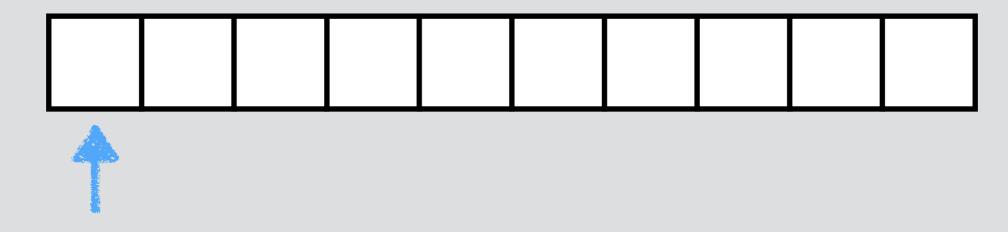


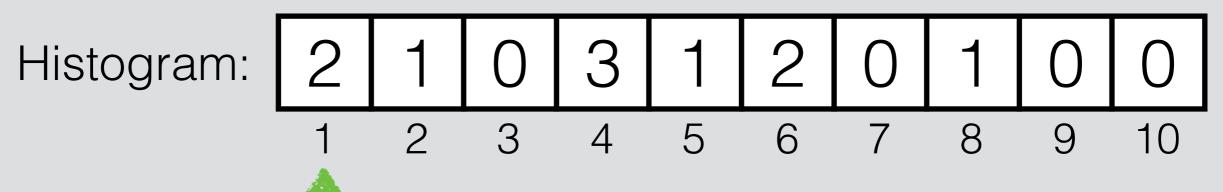


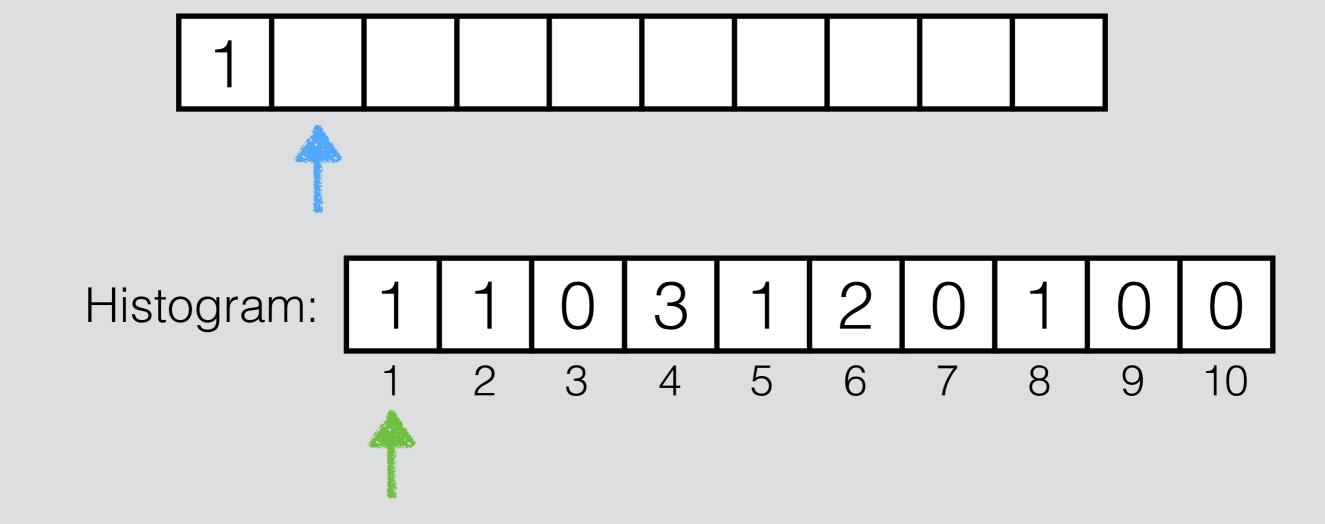
Histogram: 2 1 0 3 1 2 0 1 0 0 1 0 0

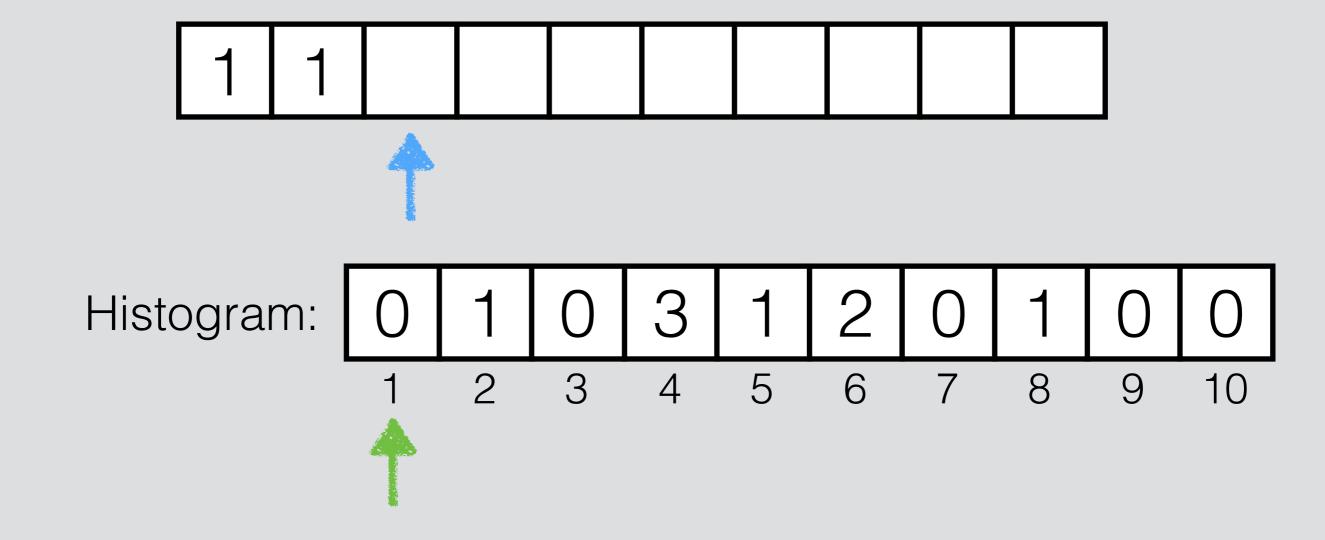


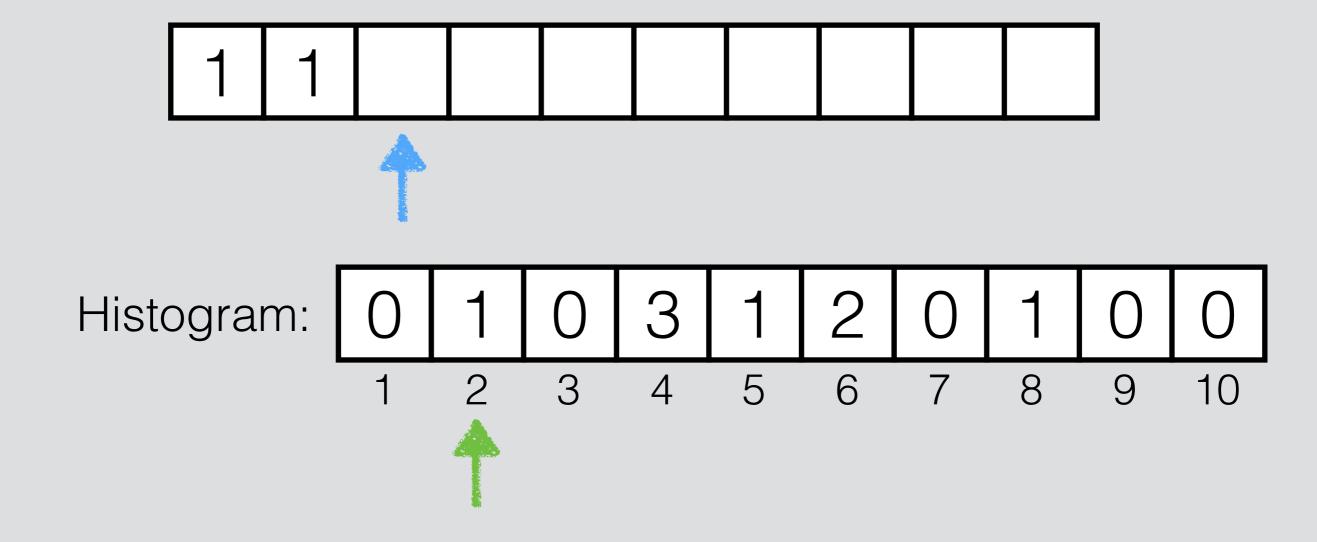


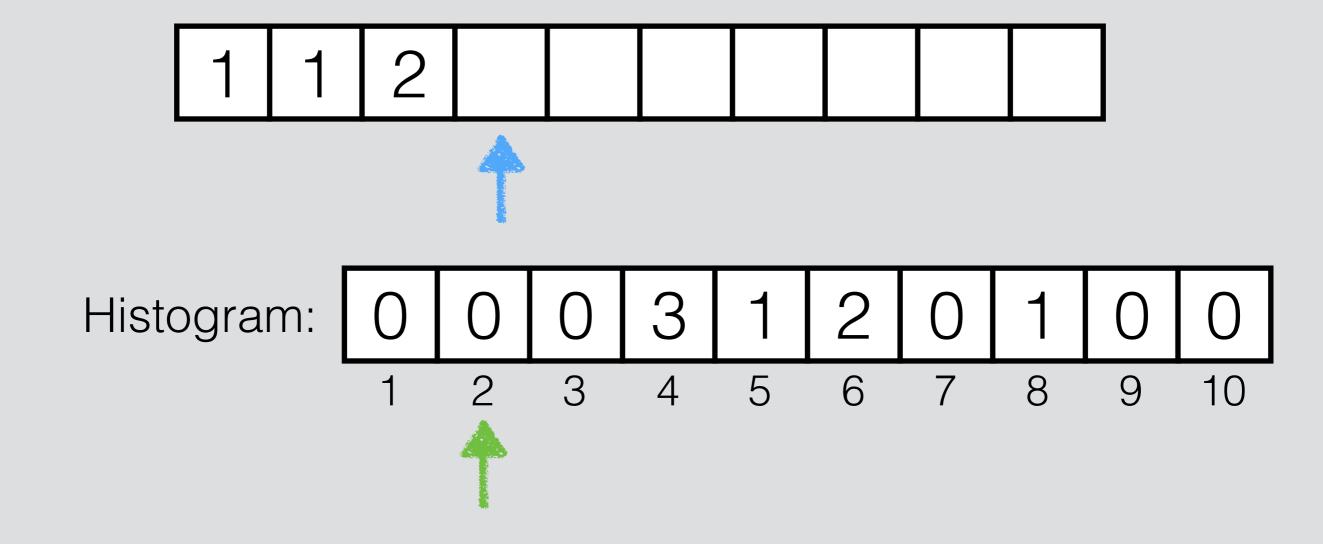


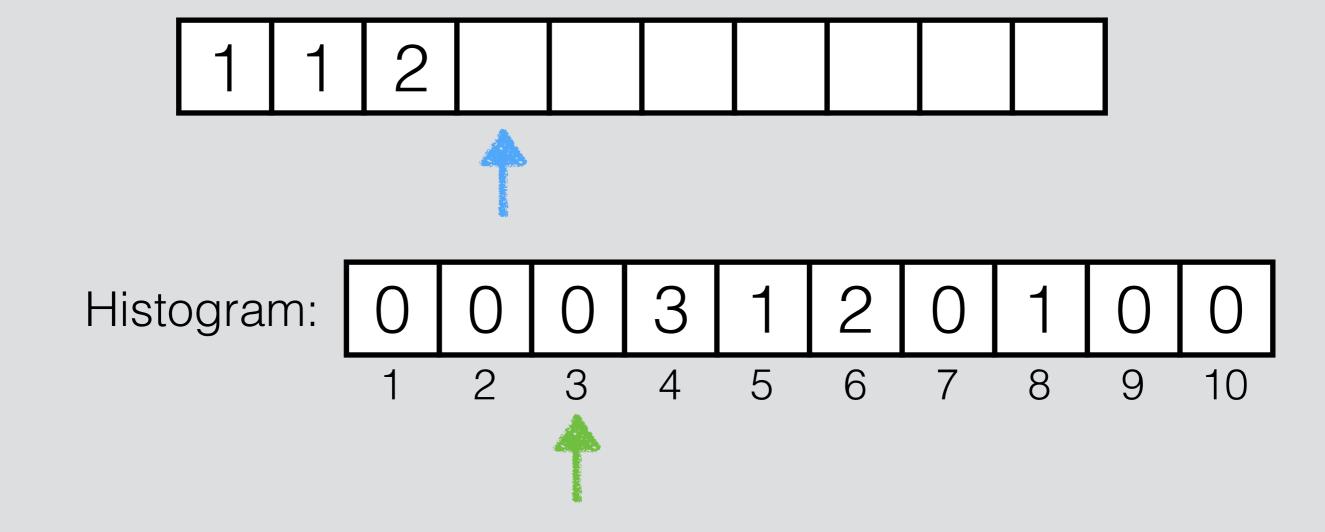


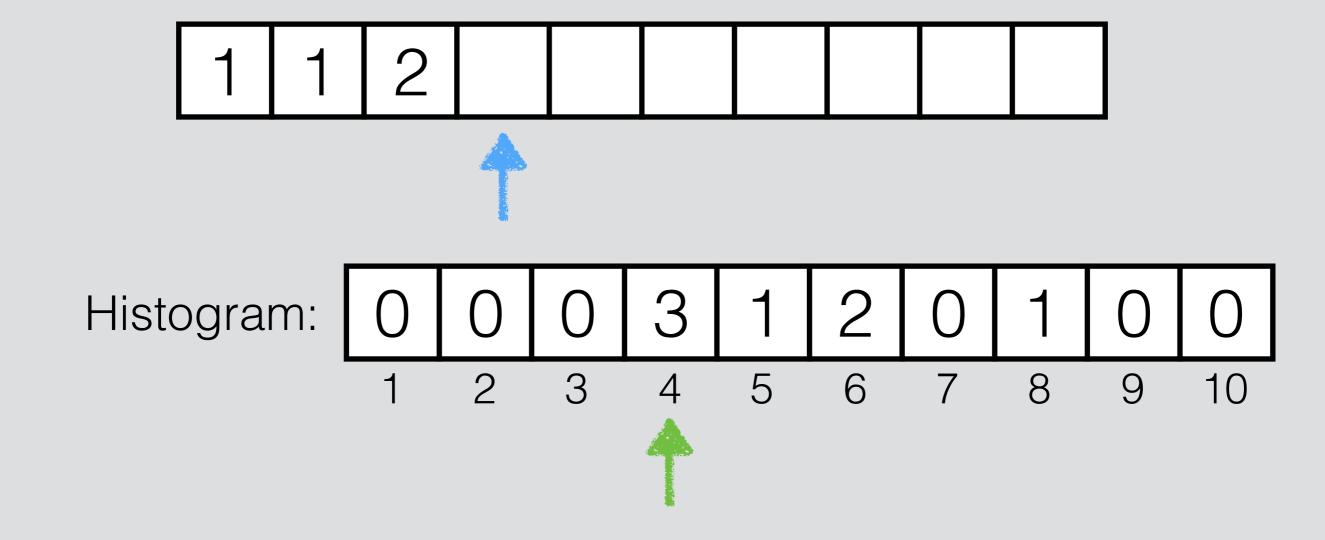


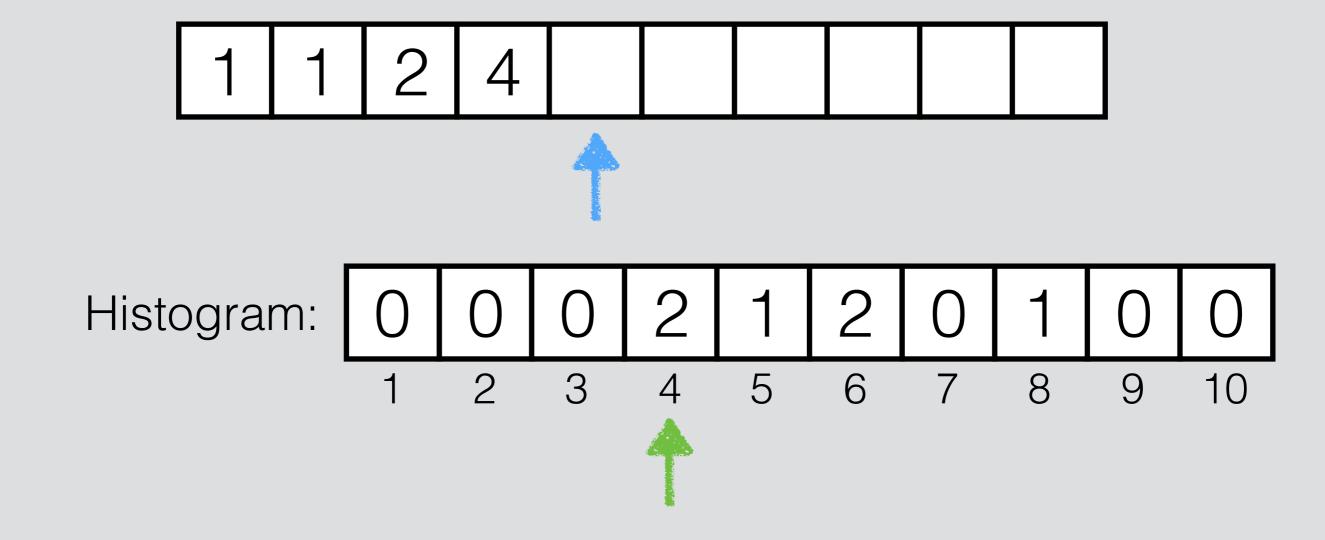


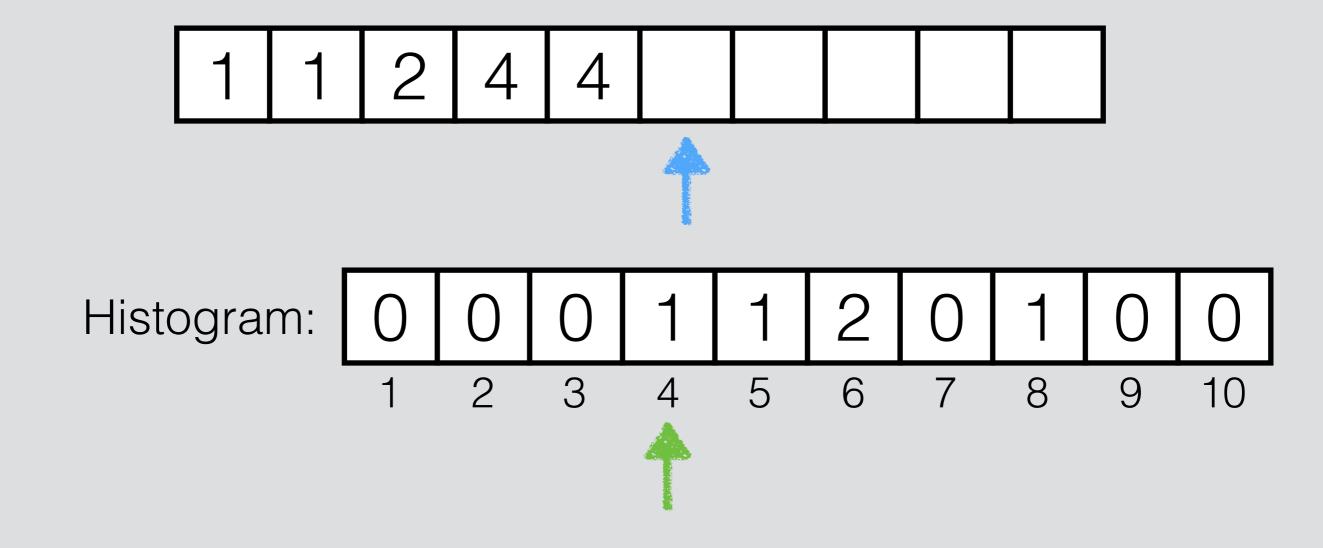


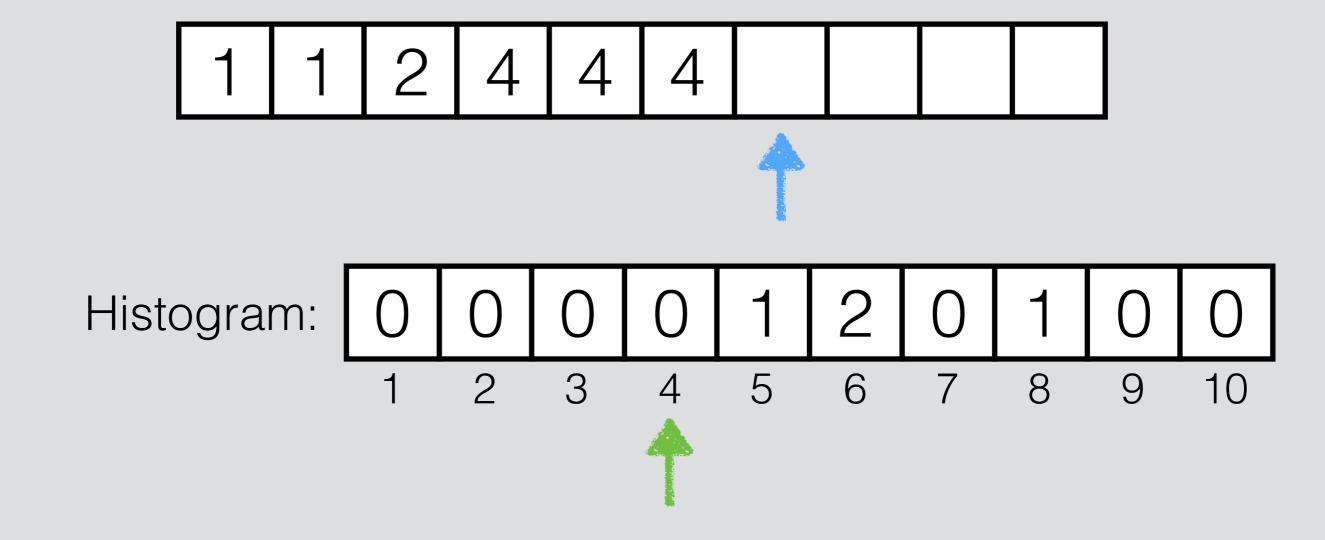


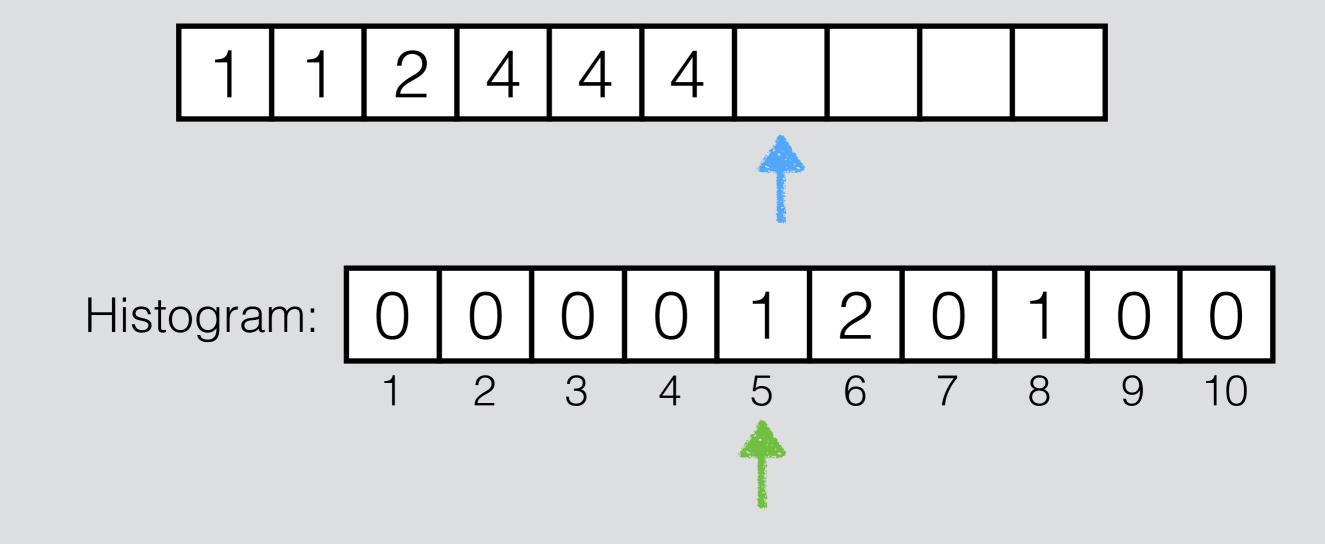


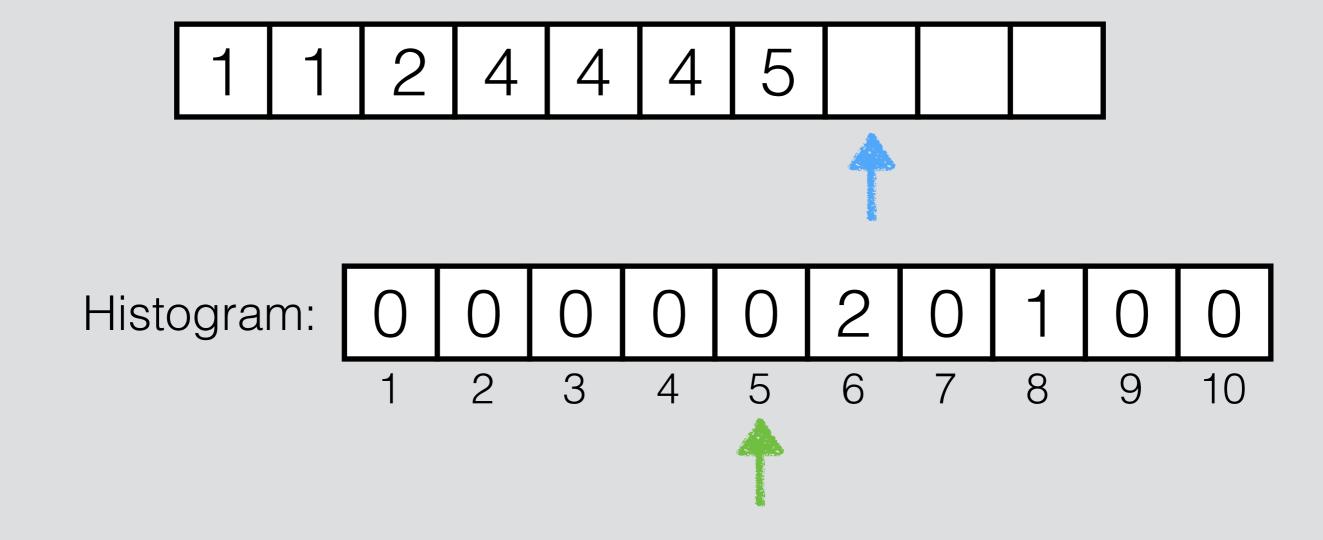


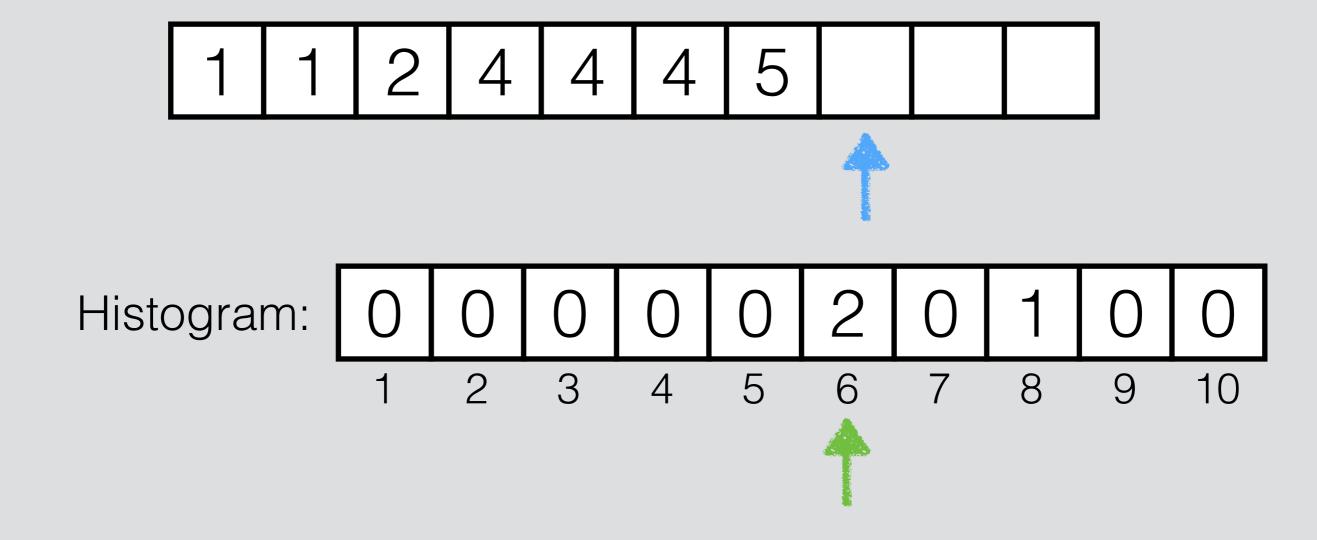


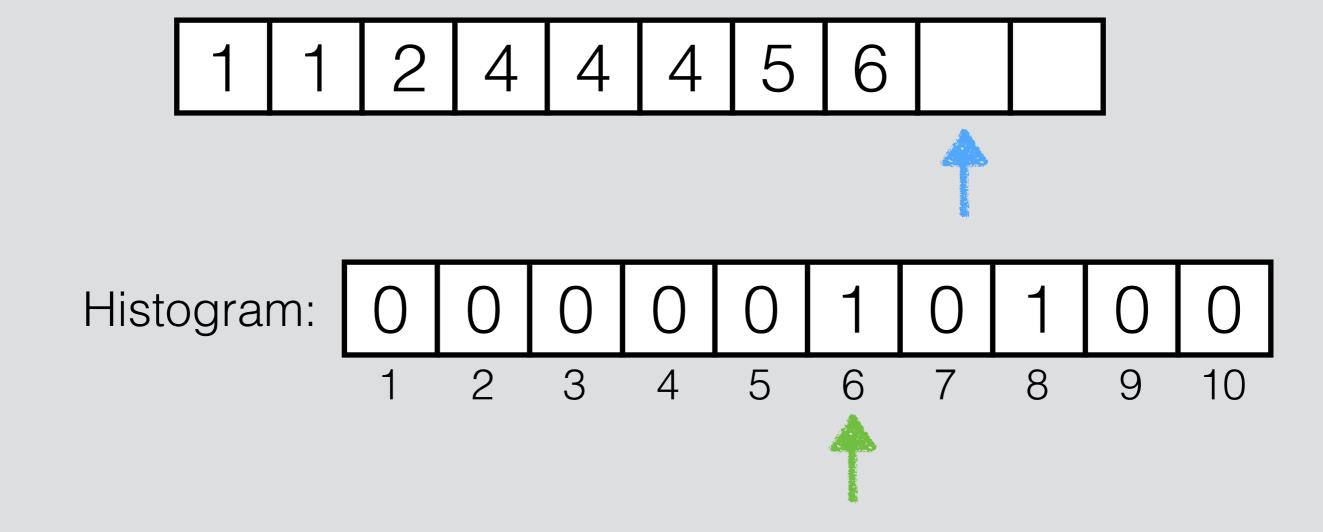


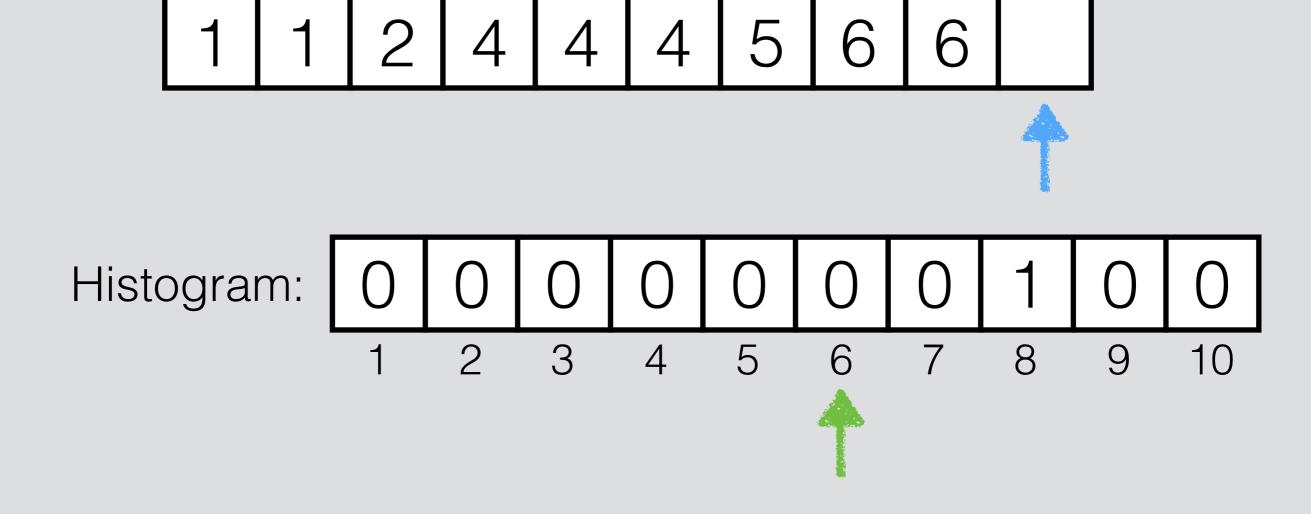


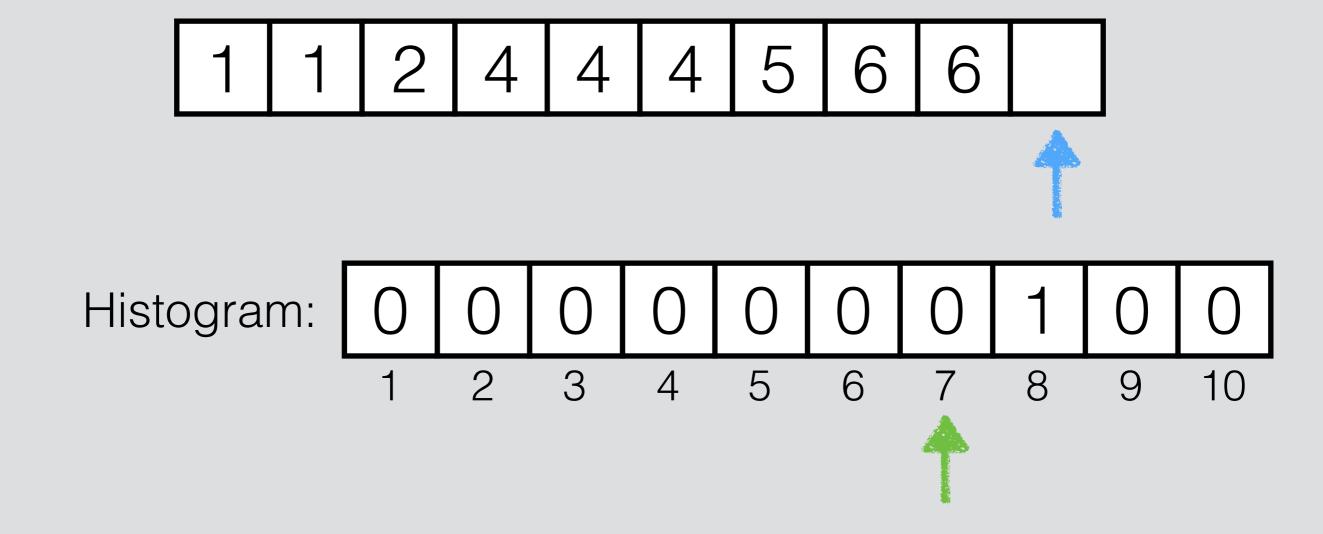


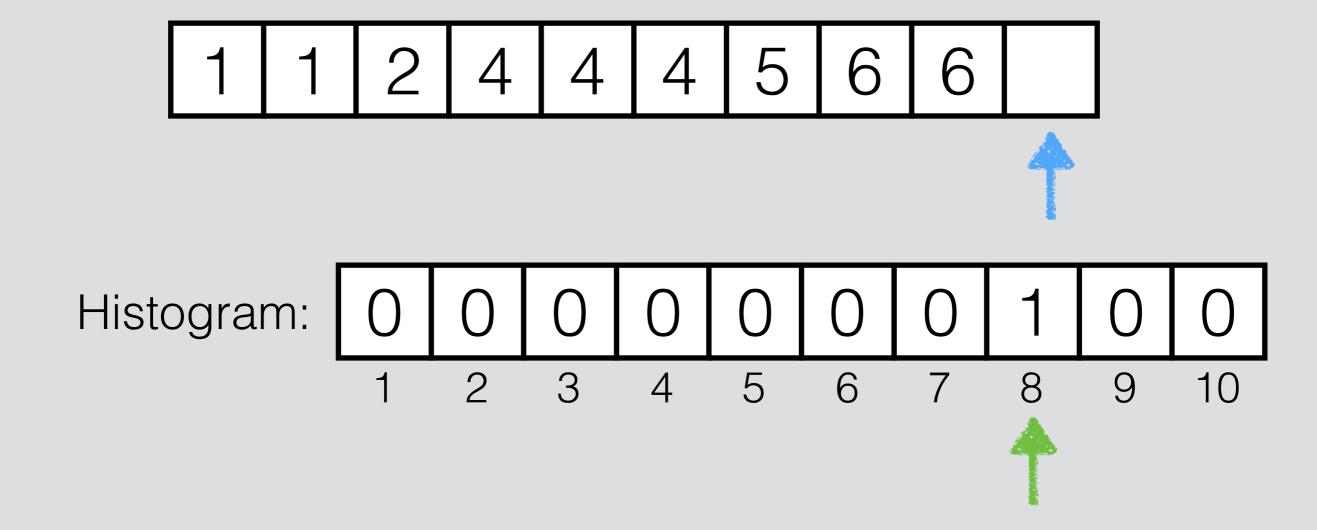


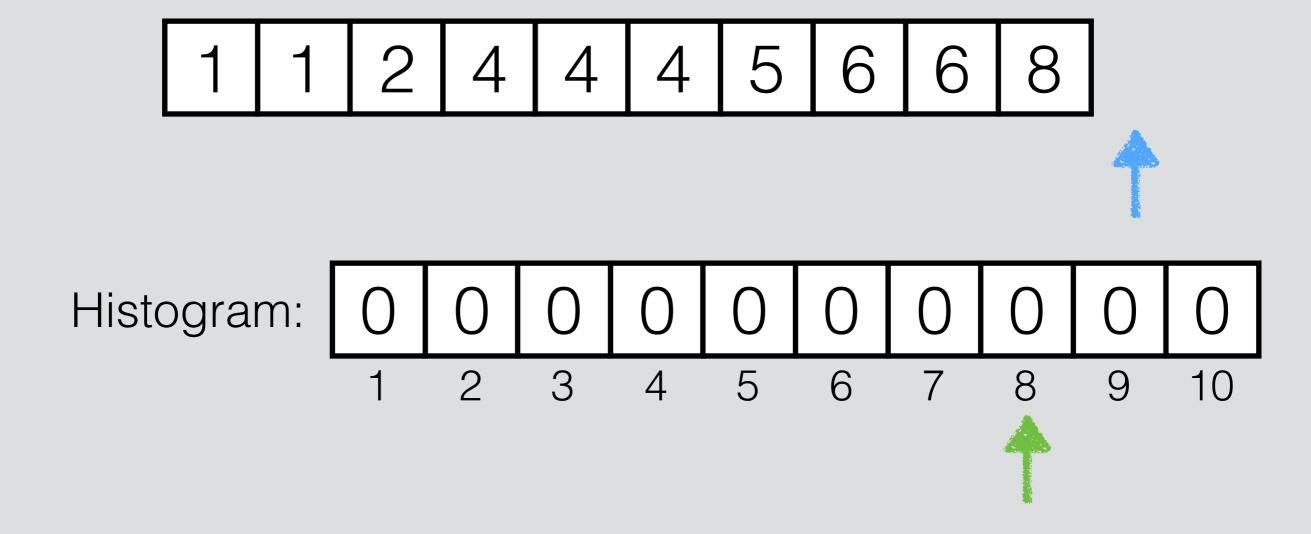


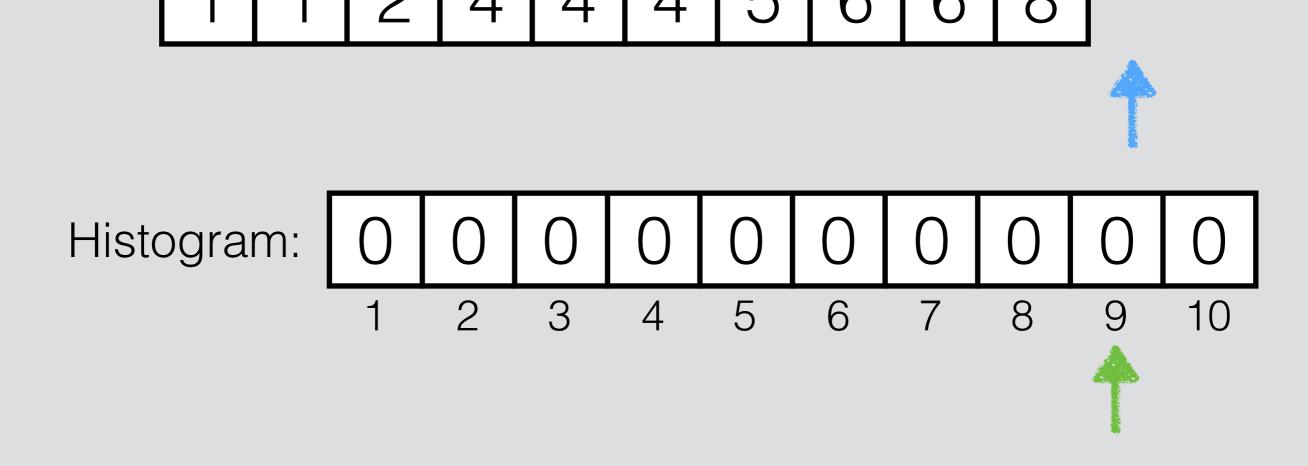






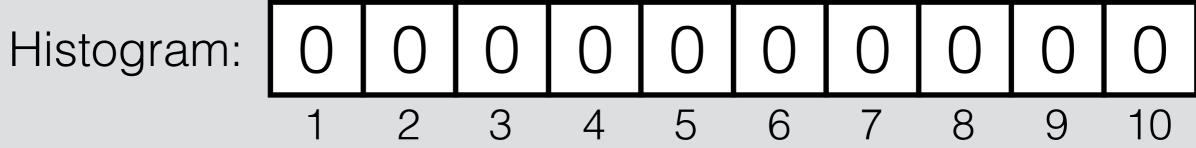


















Histogram: 0 0 0 0 0 0 0 0 0 0 0 0 0



1 1 2 4 4 5 6 6 8

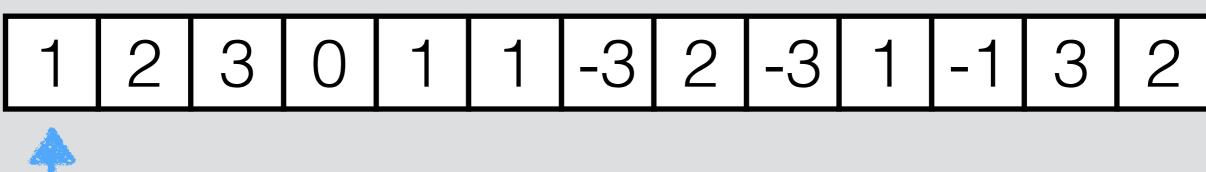
Sorted!

## Counting sort with other universes

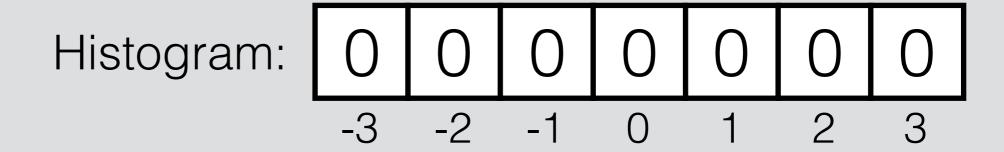
1 2 3 0 1 1 -3 2 -3 1 -1 3 2

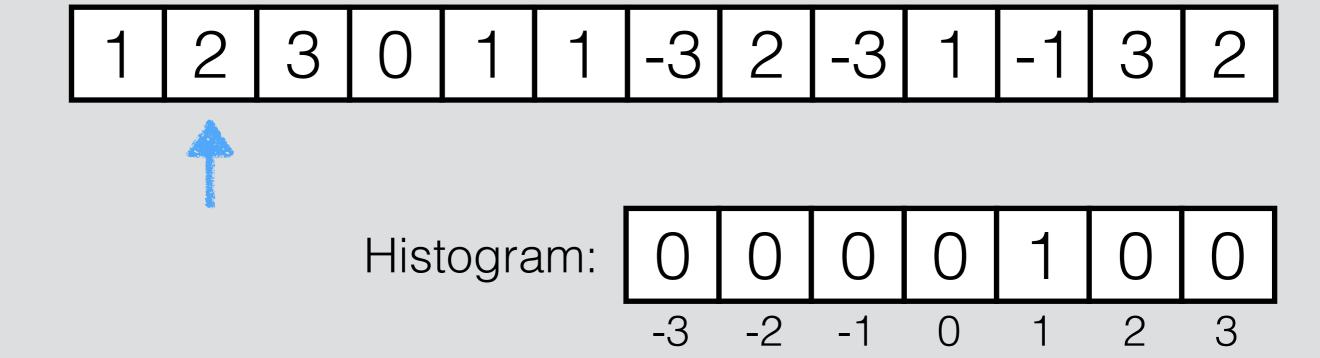


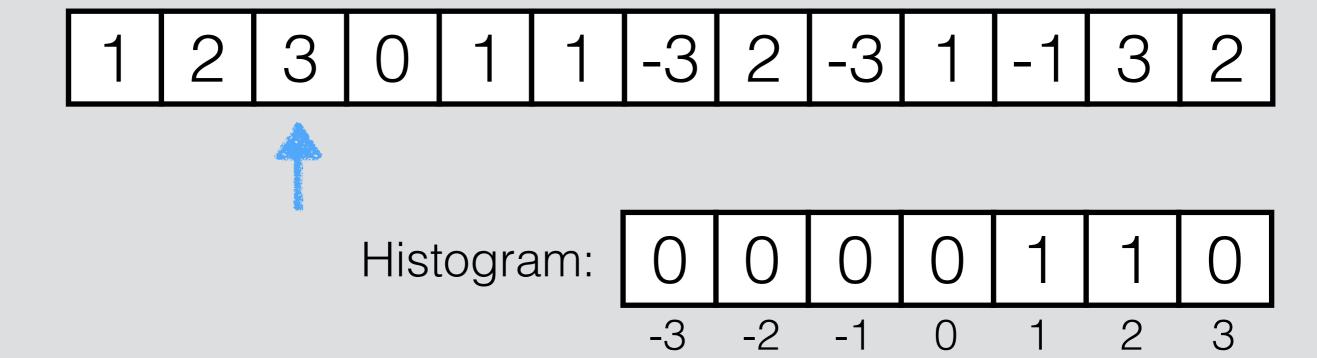
Histogram: 0 0 0 0 0 0 0 0 0 0

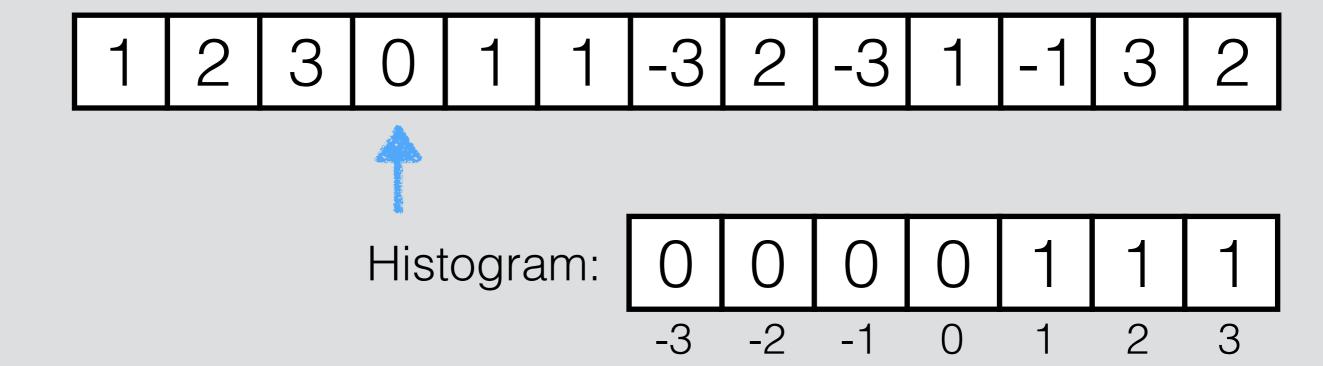


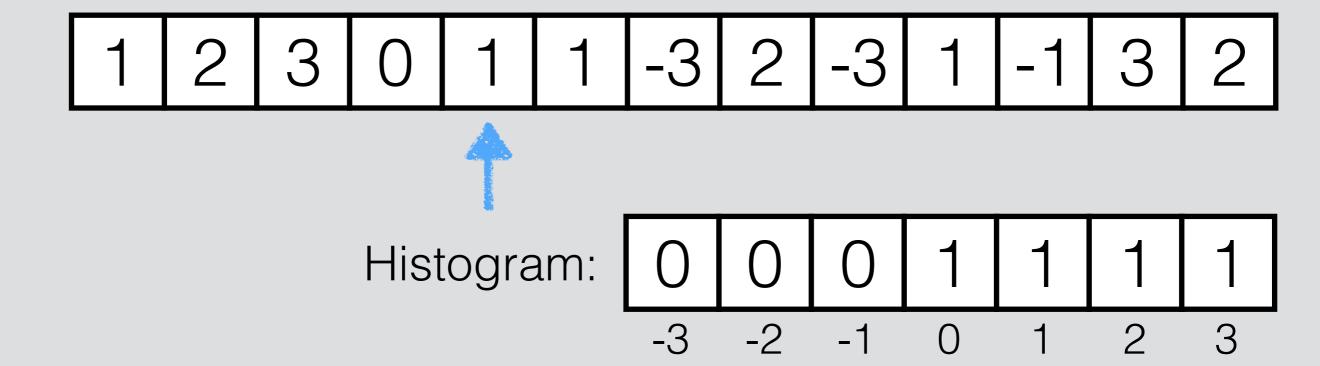


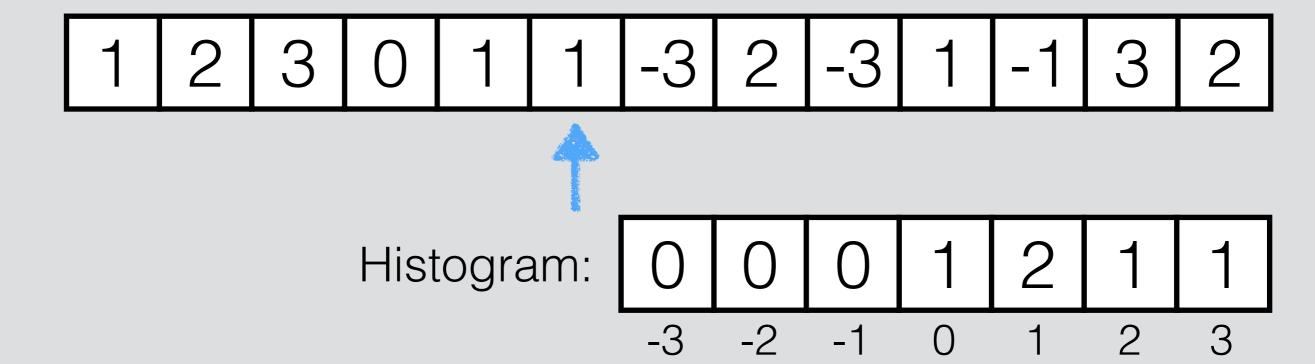


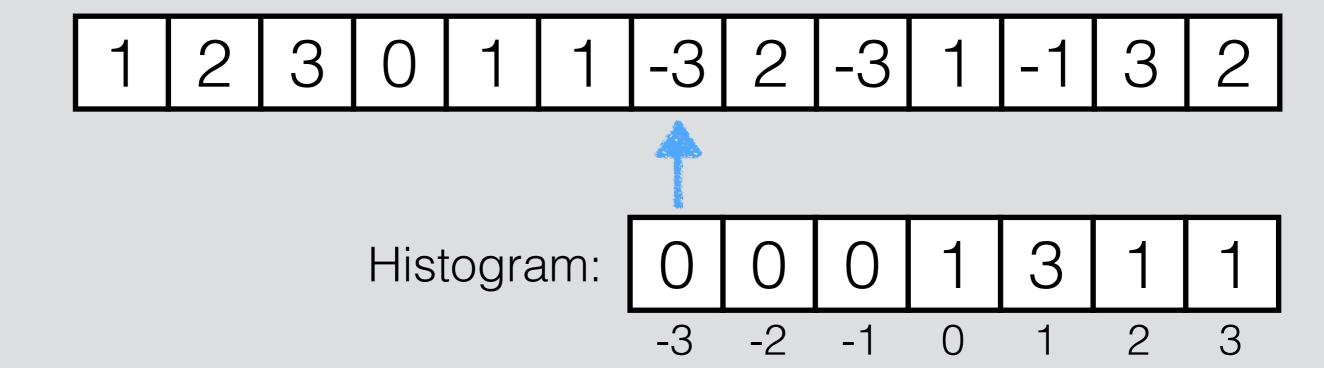


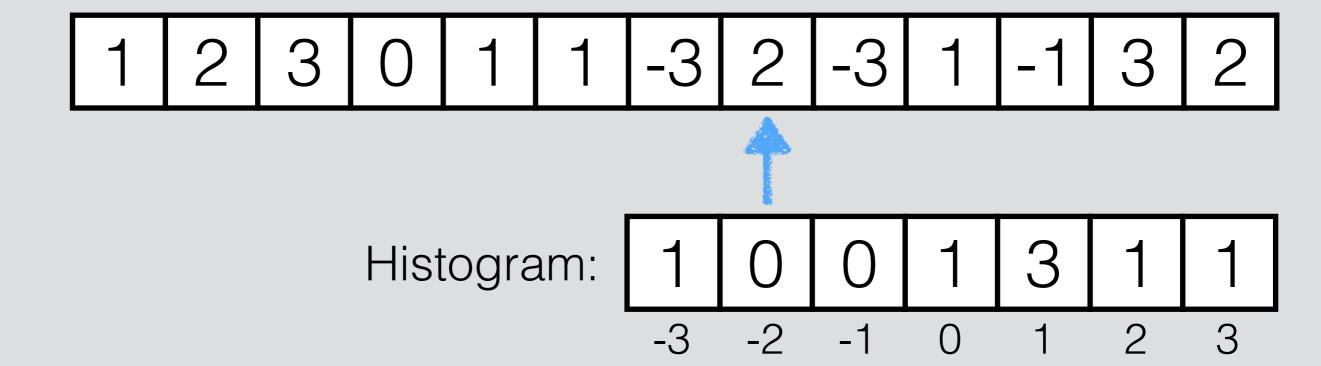


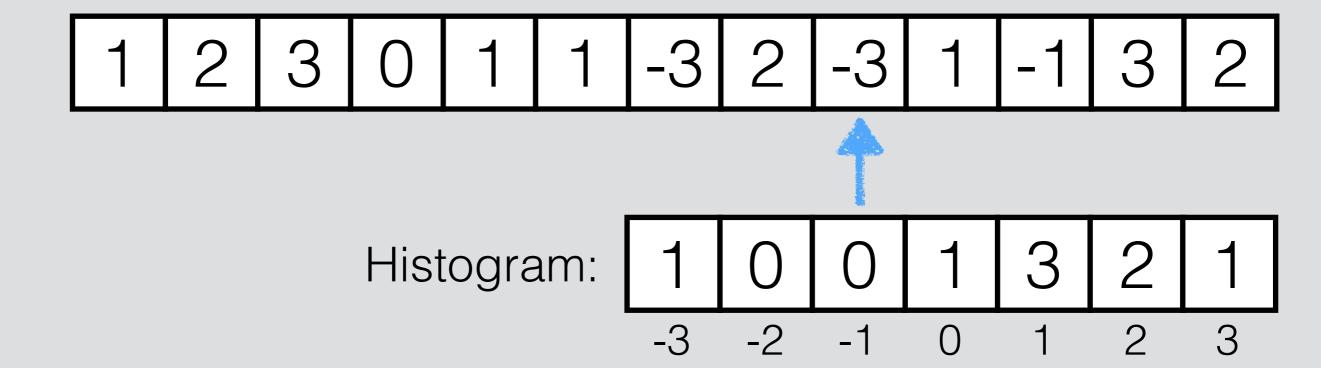


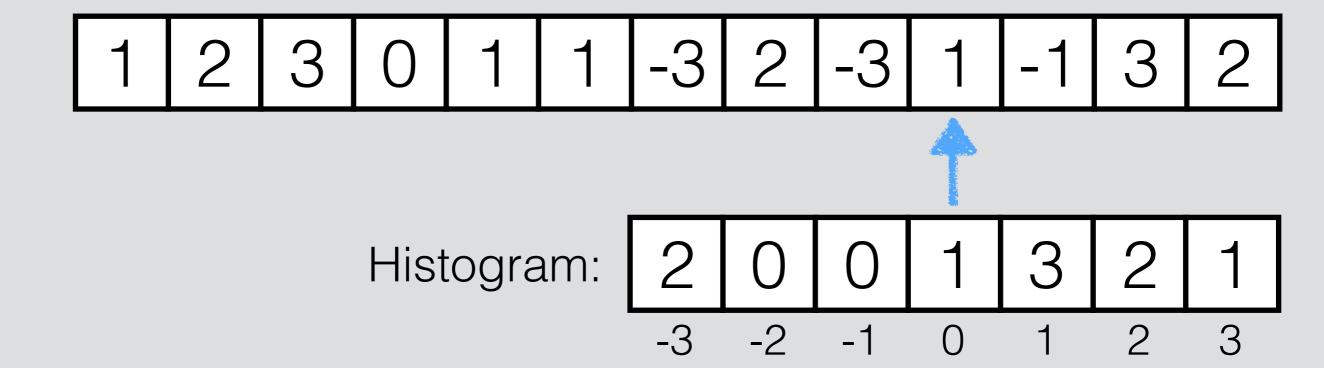


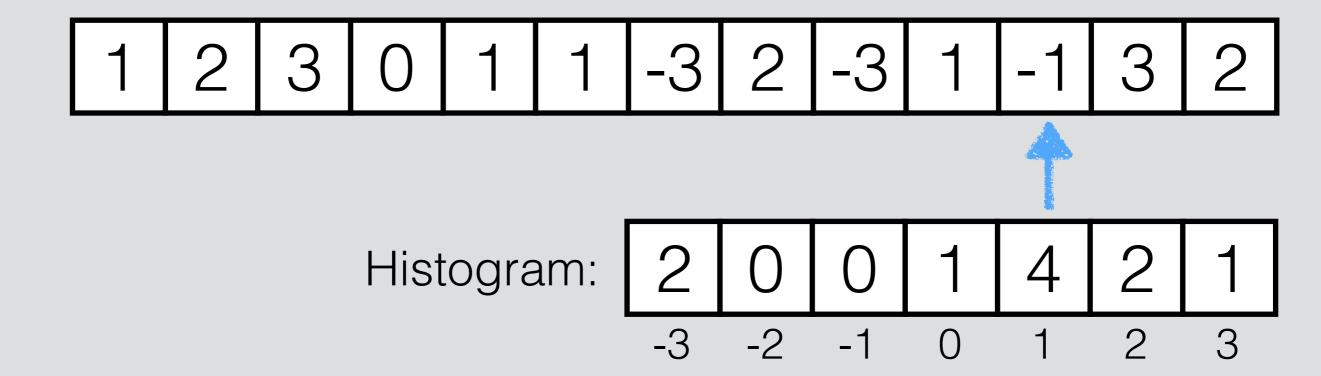


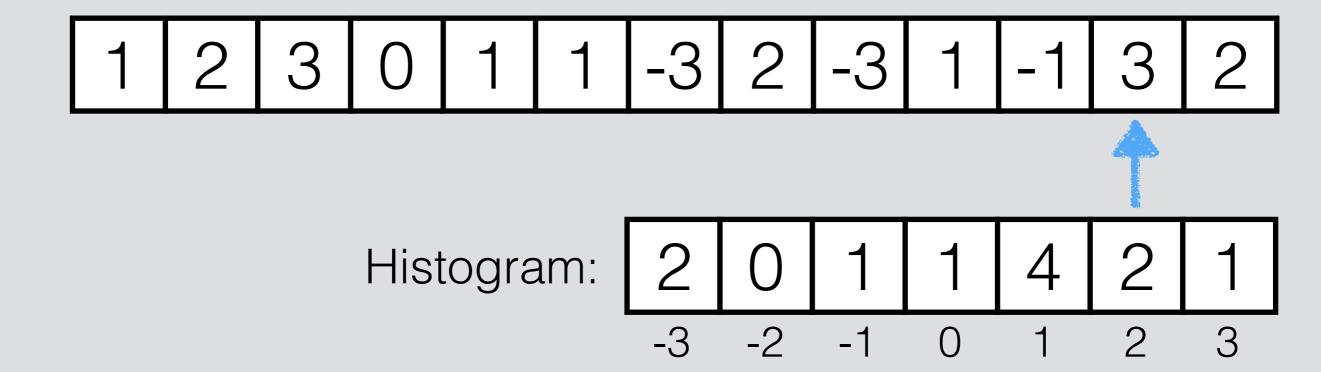


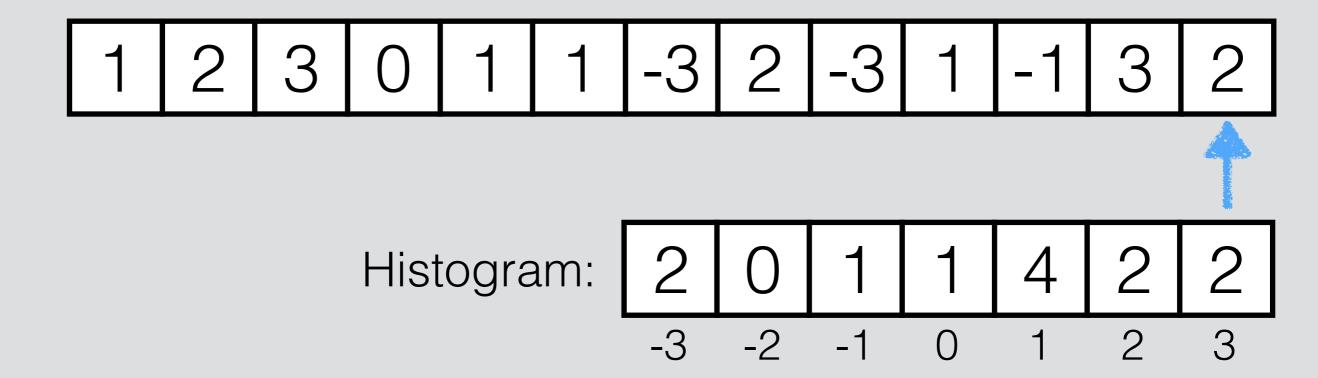














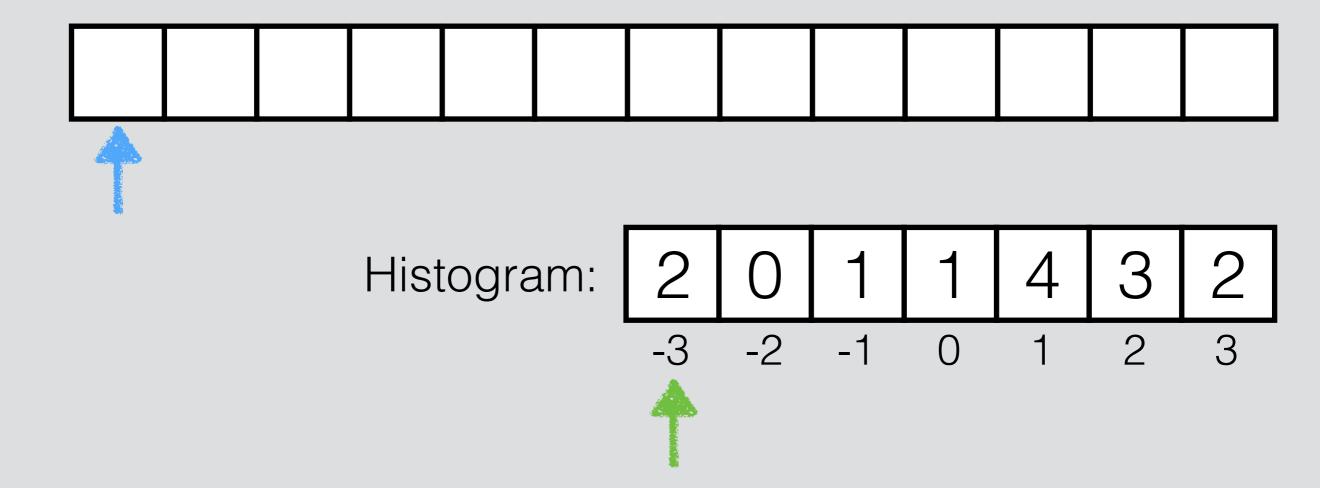
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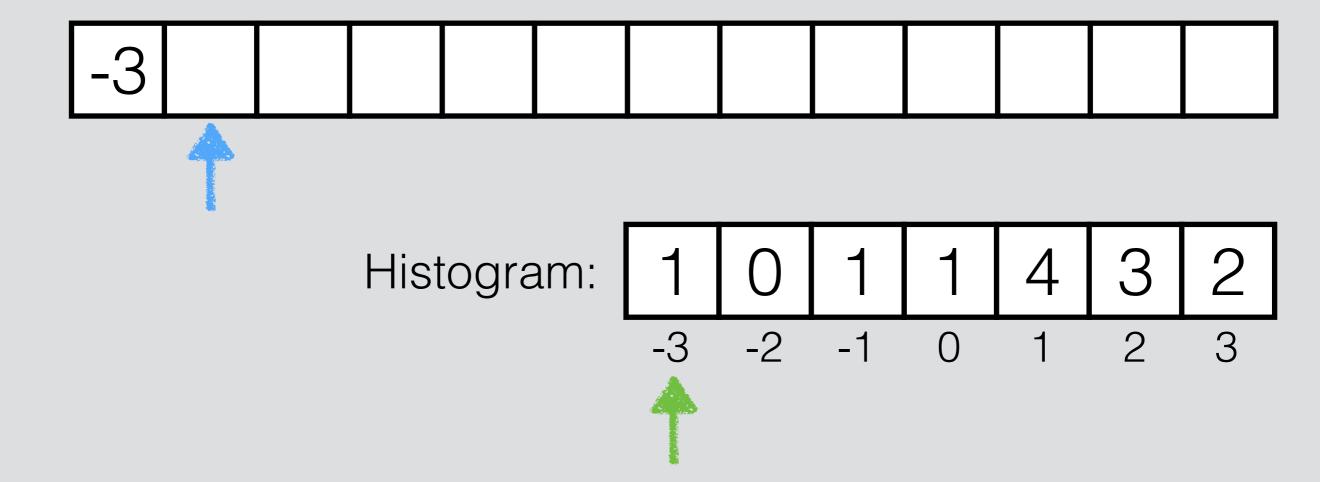


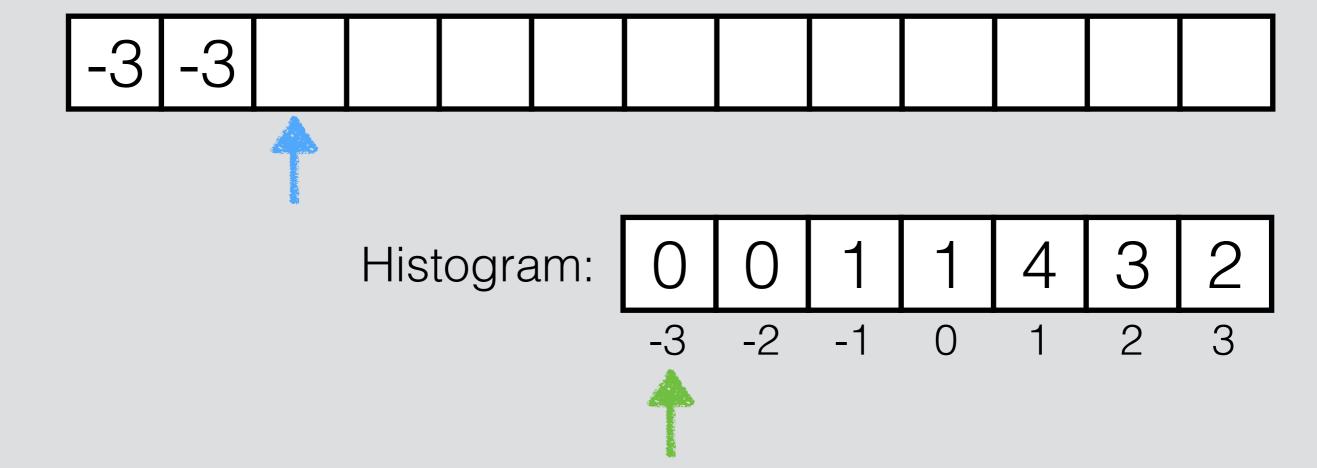
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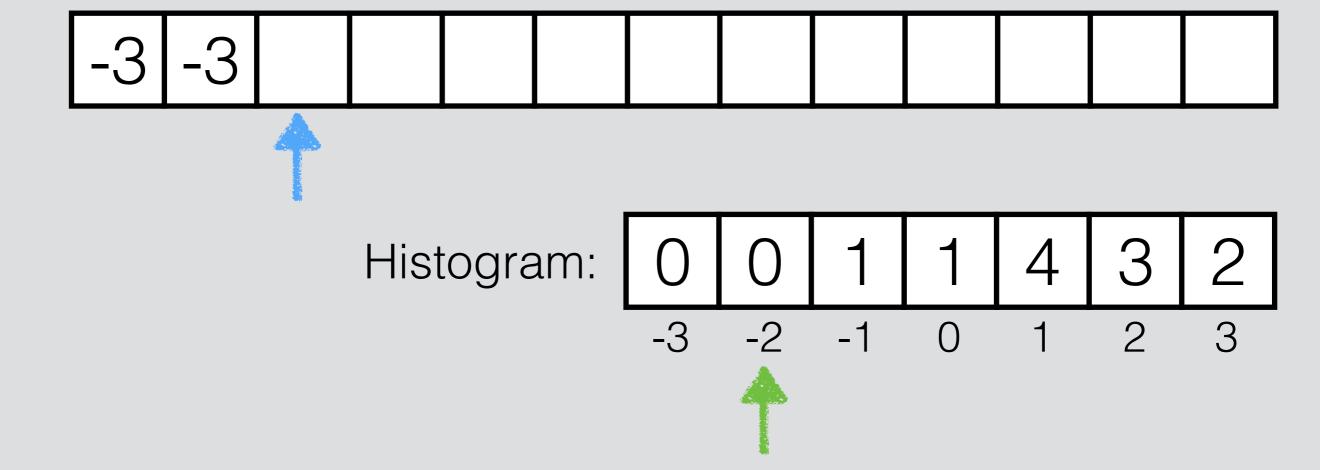


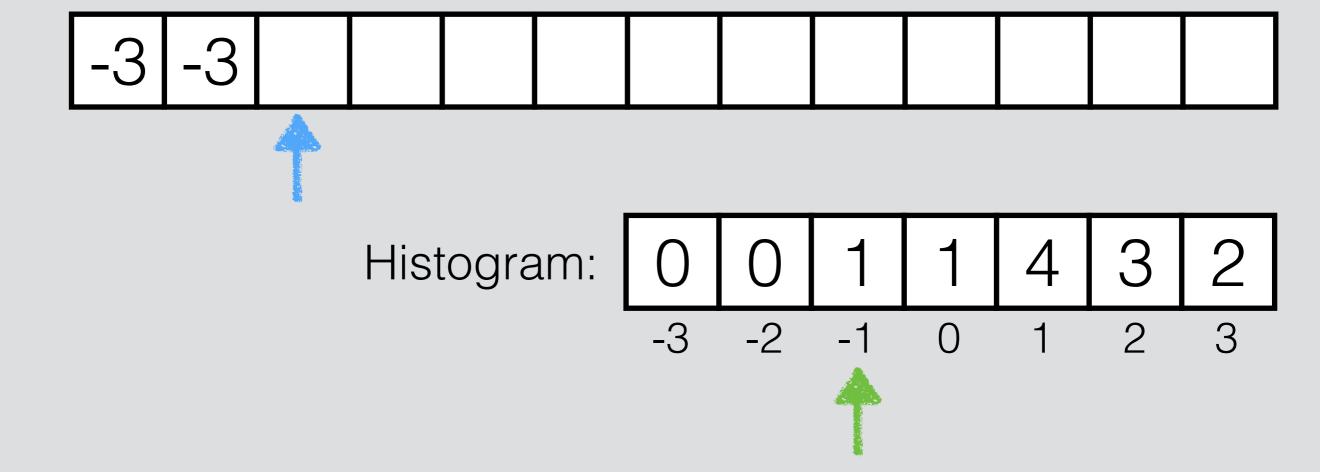
Histogram: 2 0 1 1 4 3 2

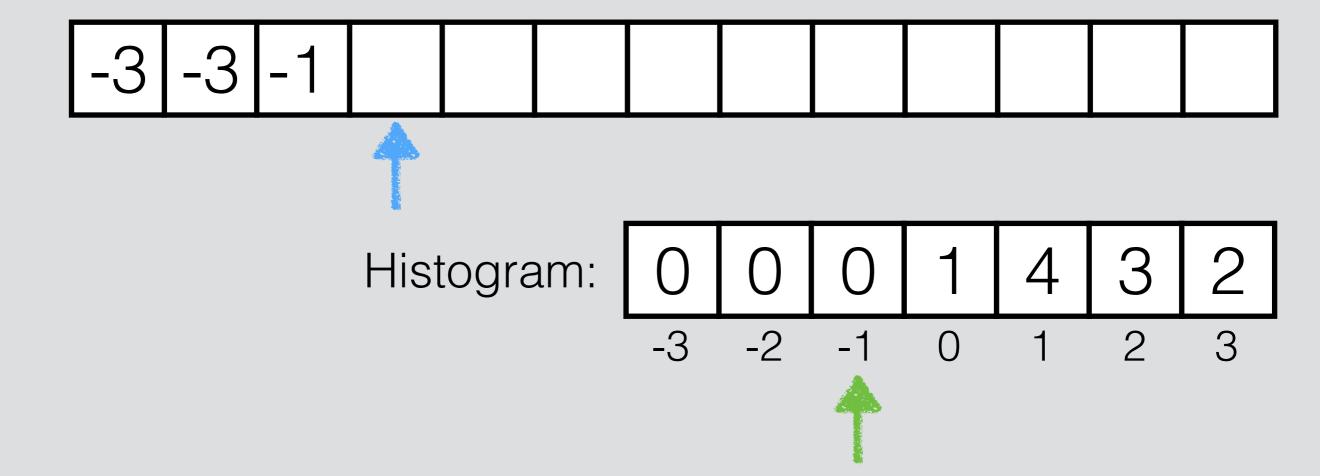


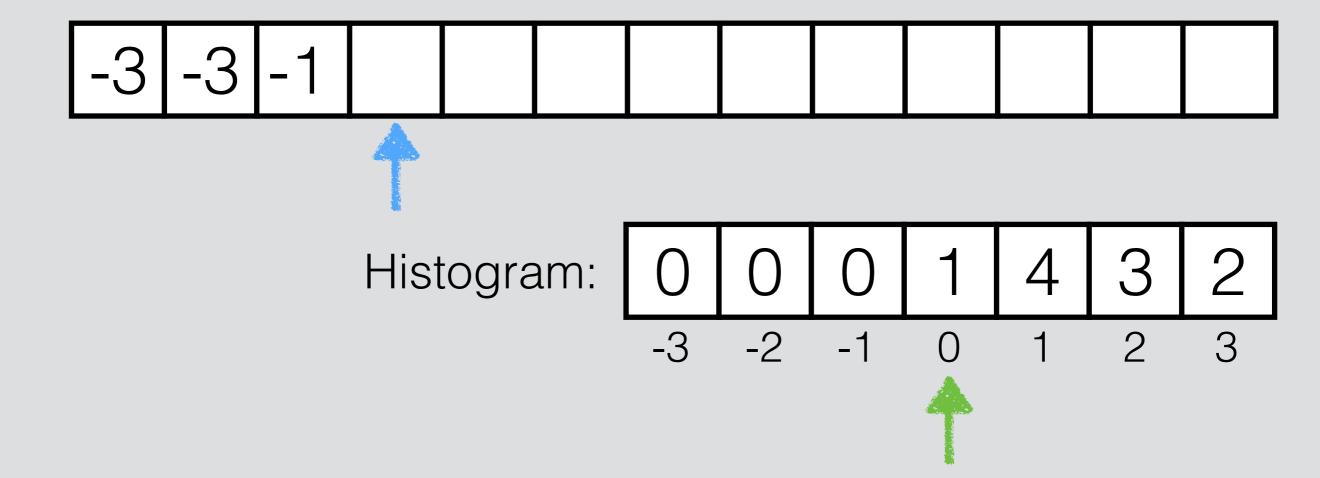


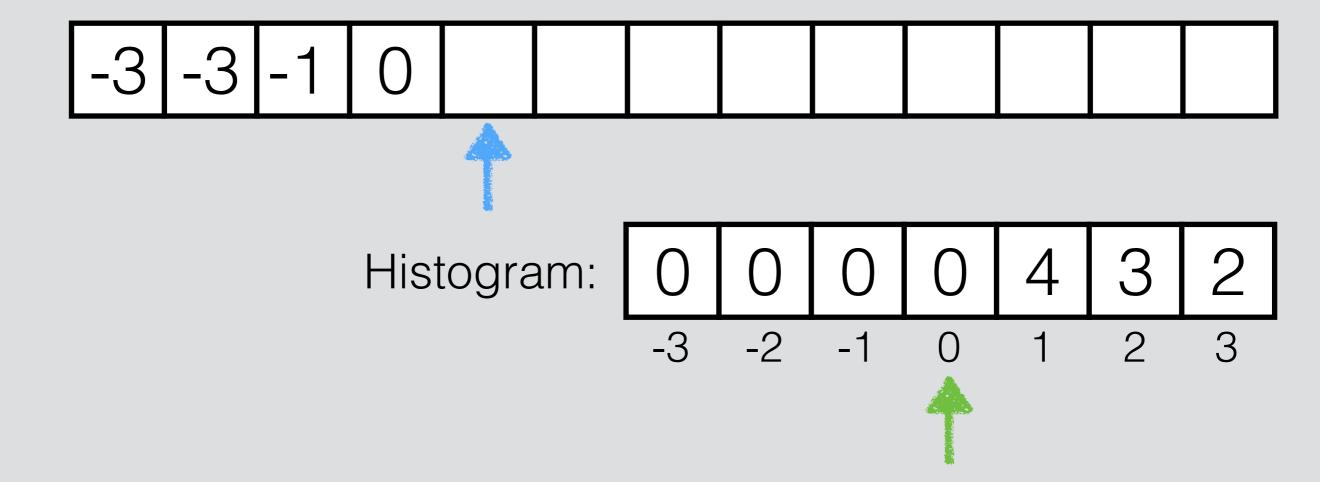


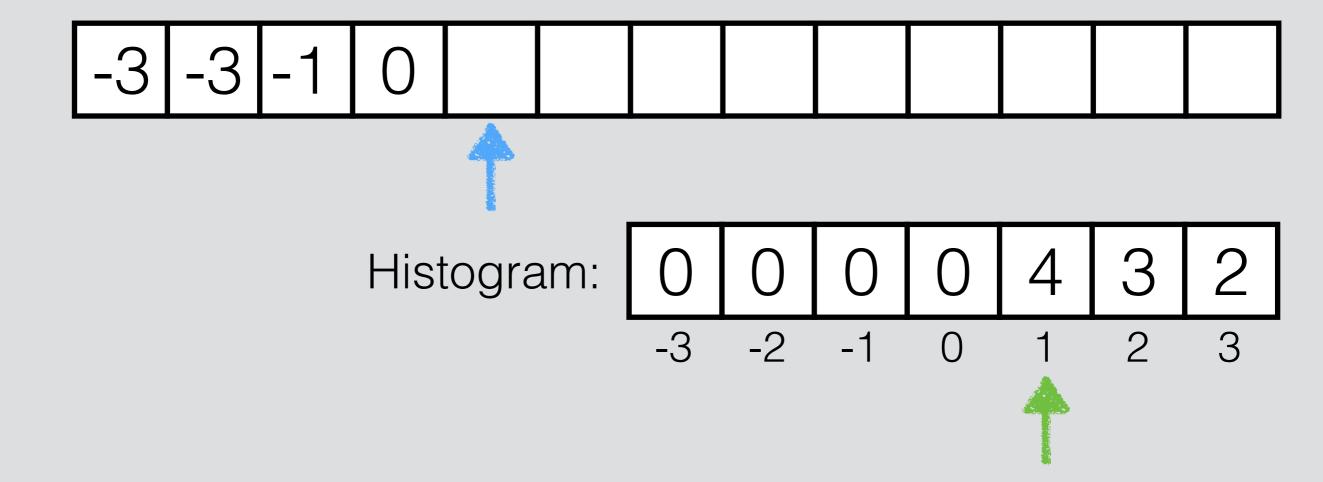


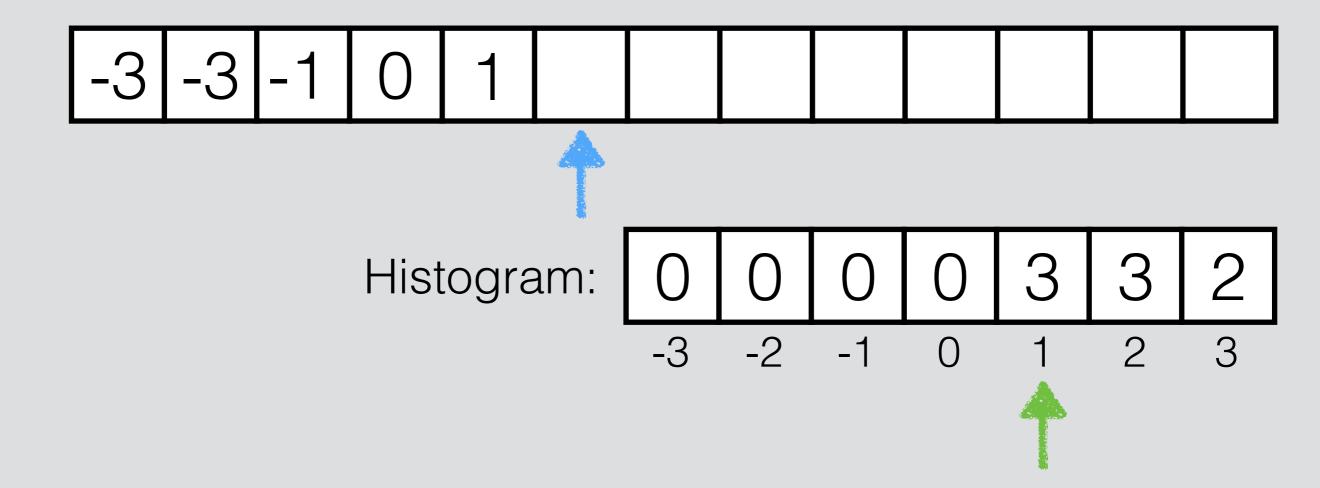


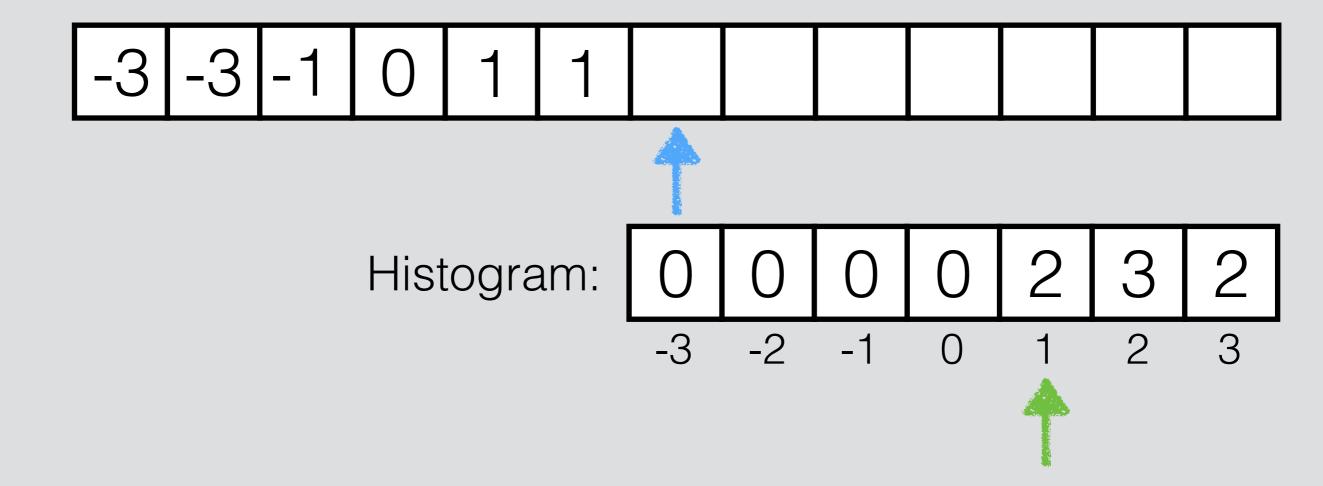


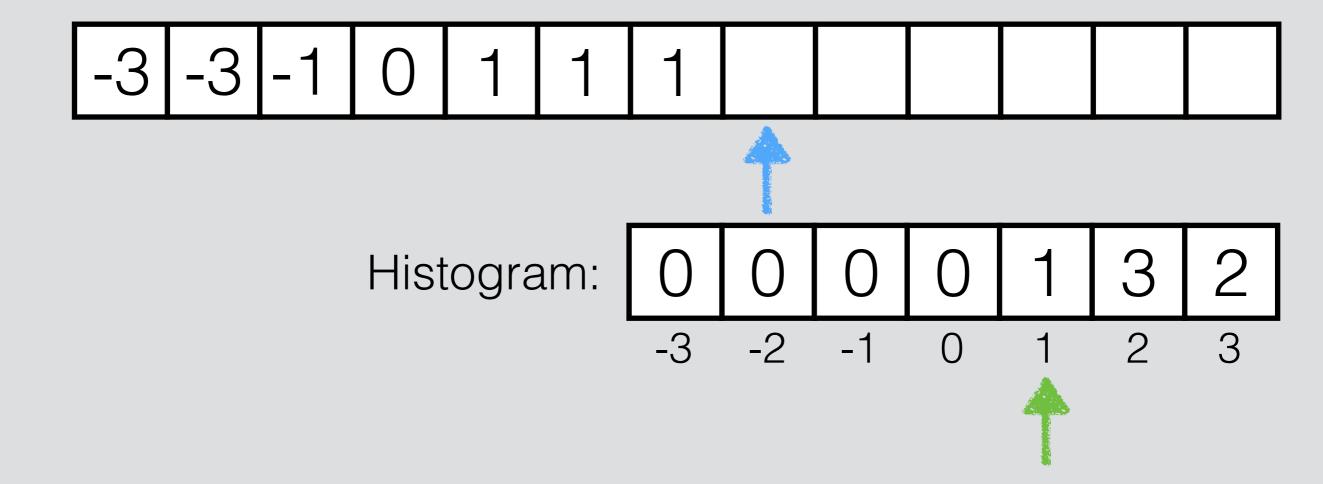


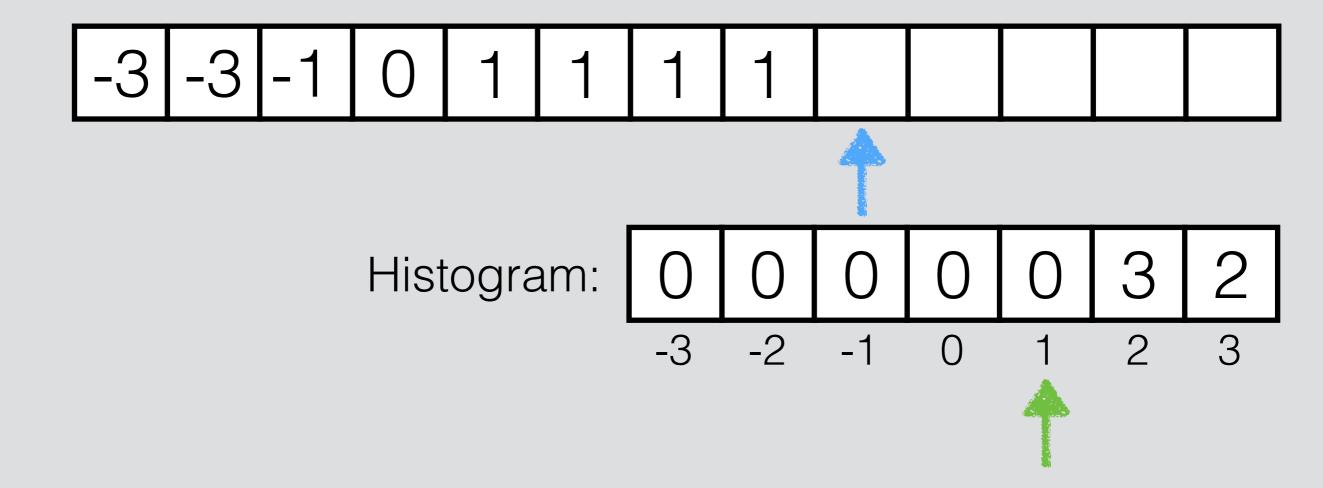


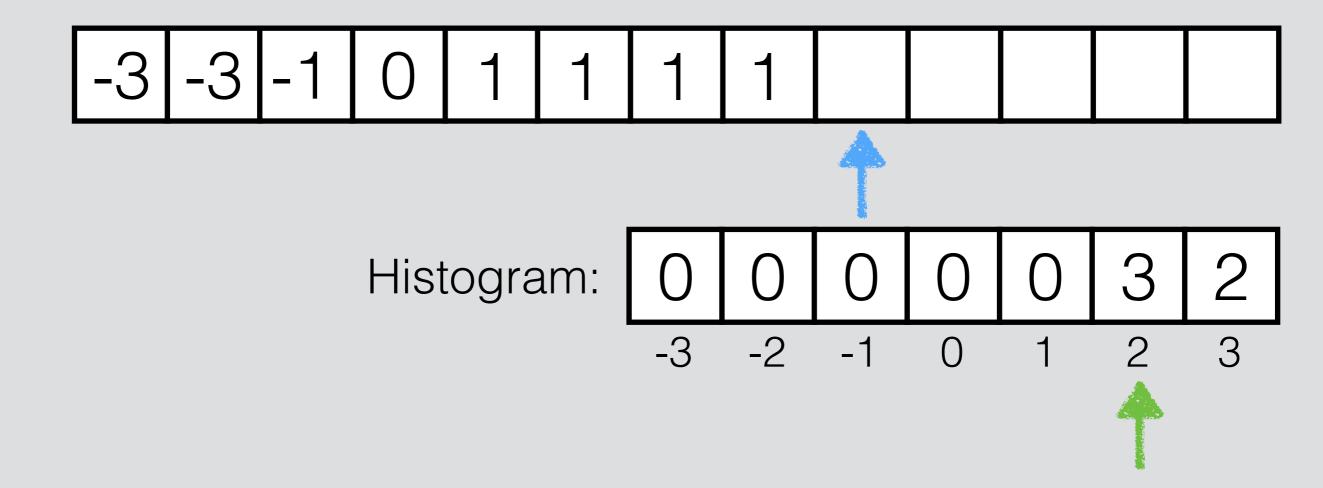


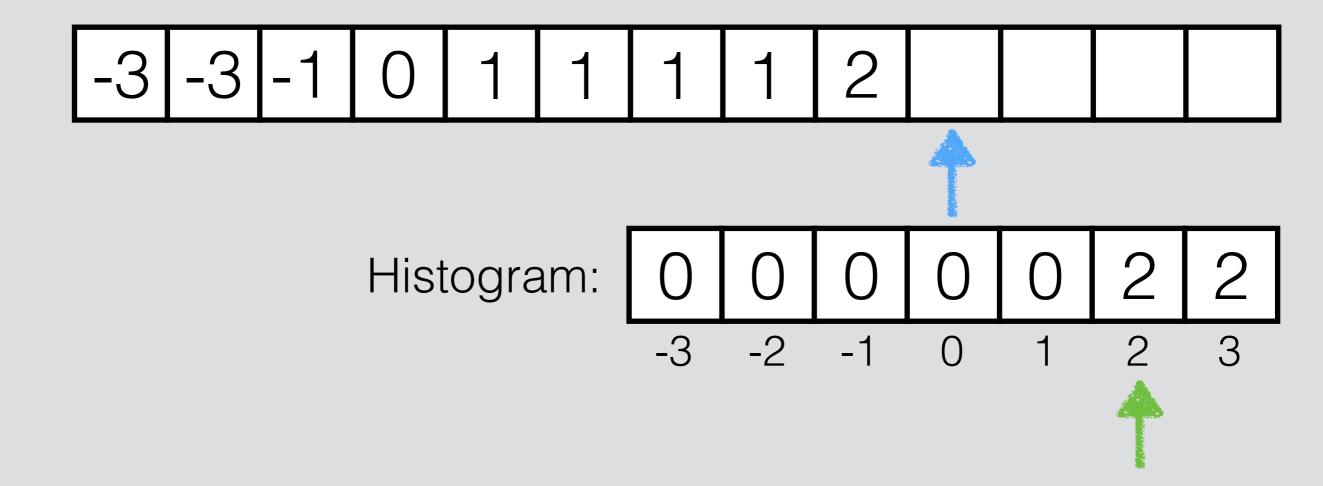


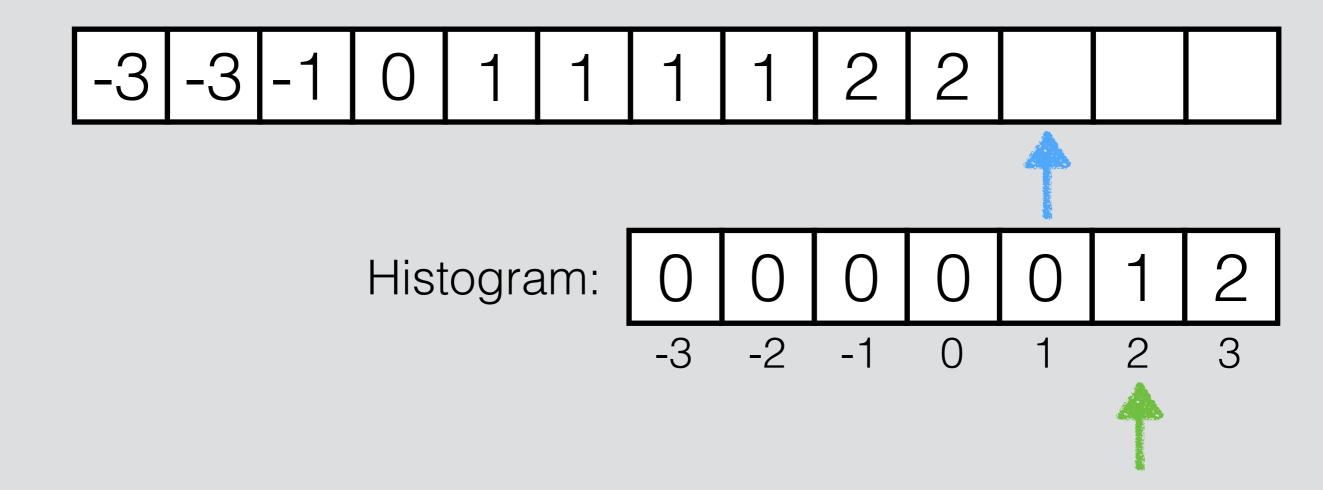


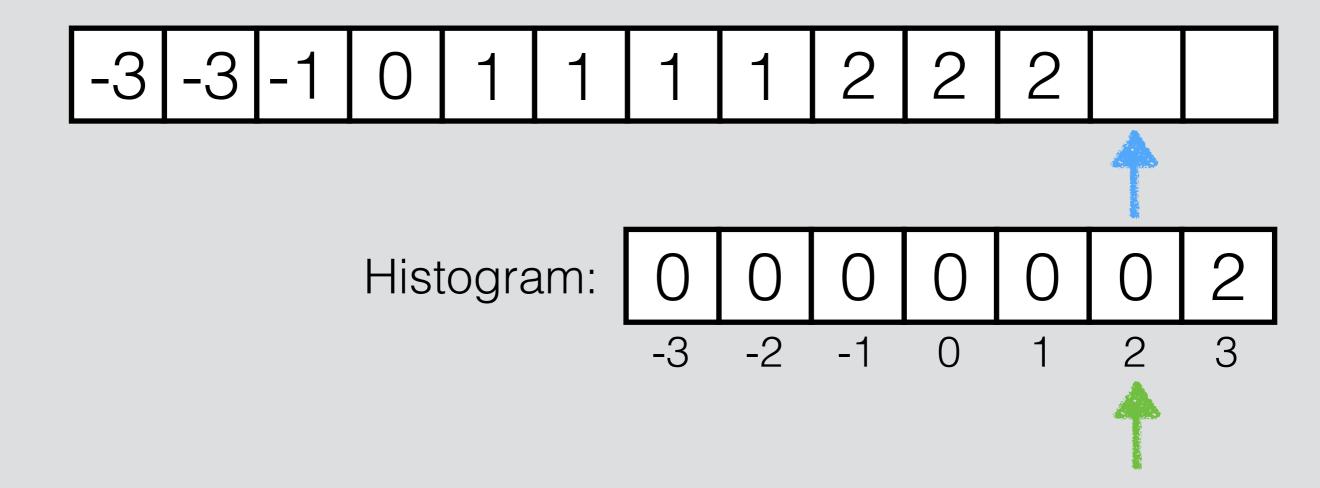


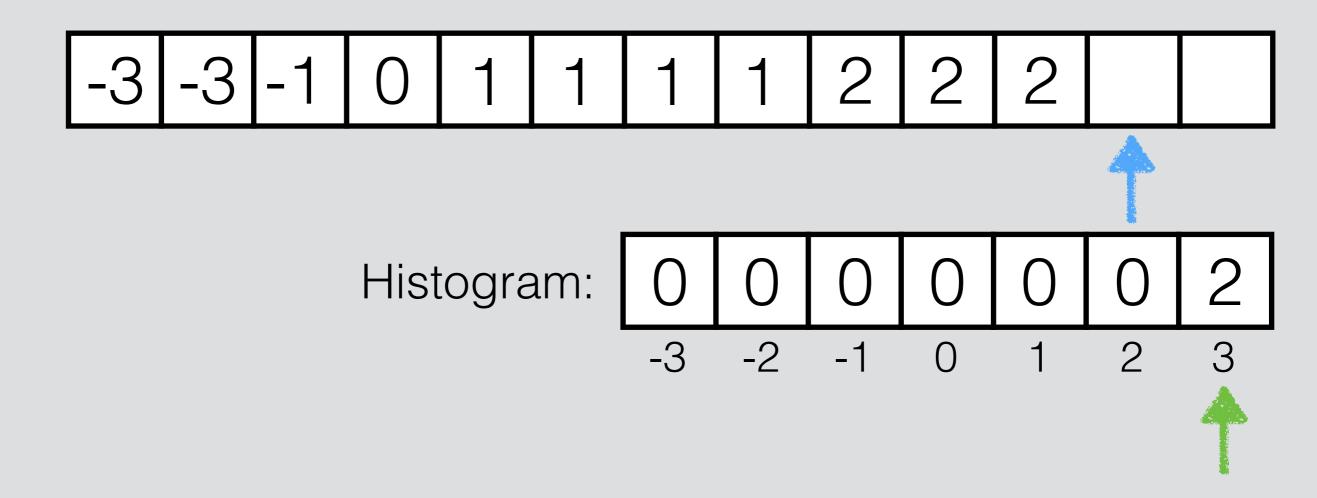


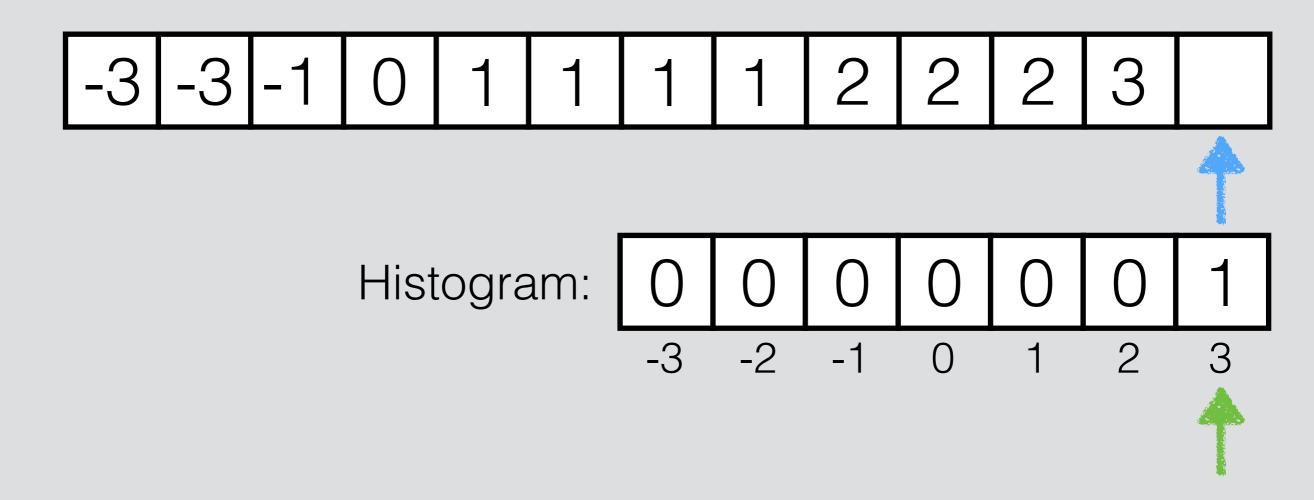


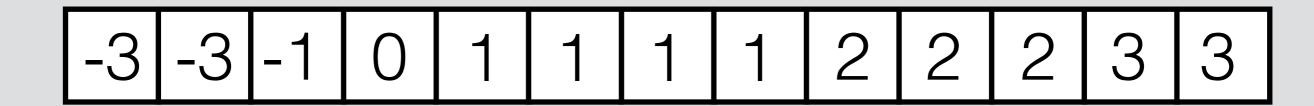


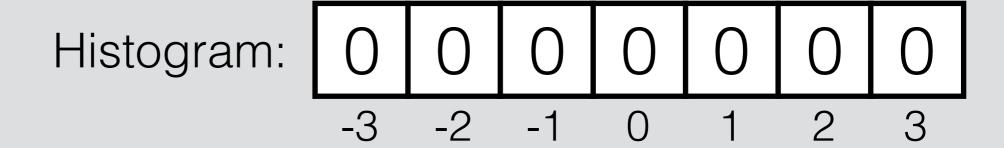


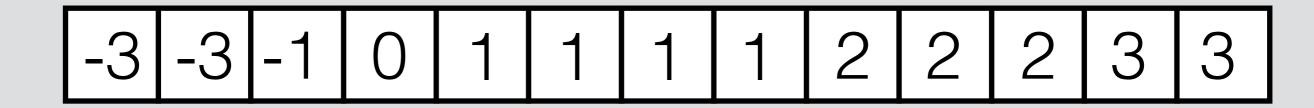










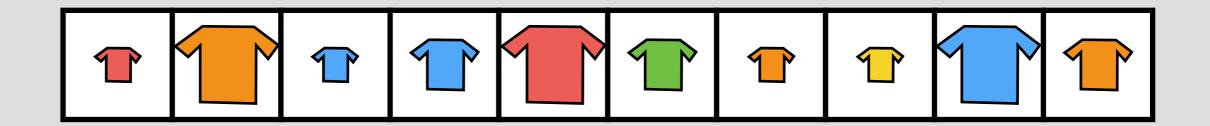


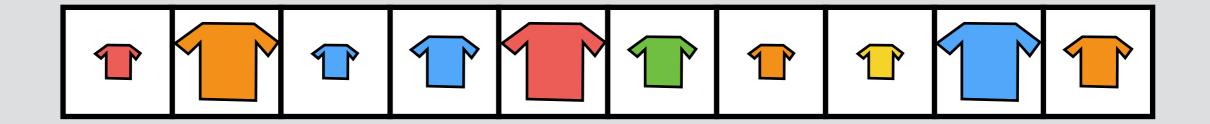
Histogram: 0 0 0 0 0 0 0 0 0 0

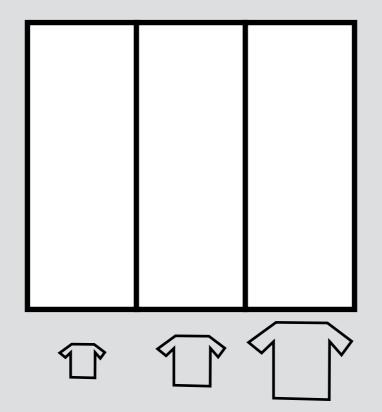
-3 -3 -1 0 1 1 1 2 2 2 3 3

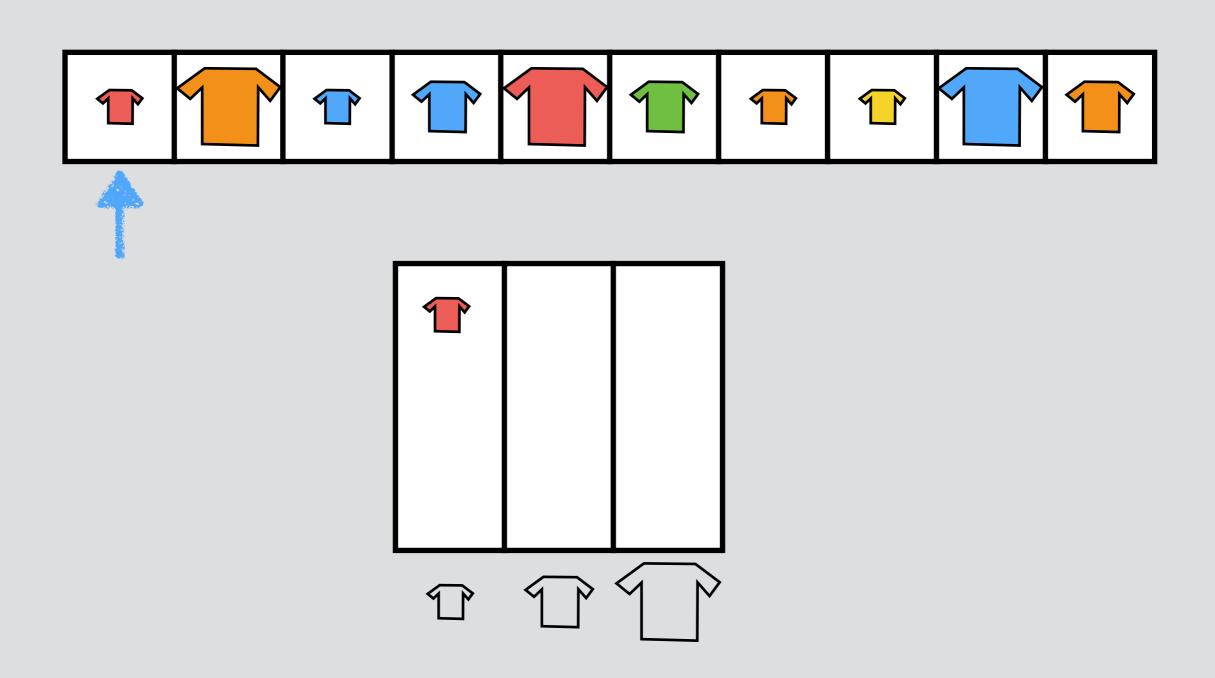
Sorted!

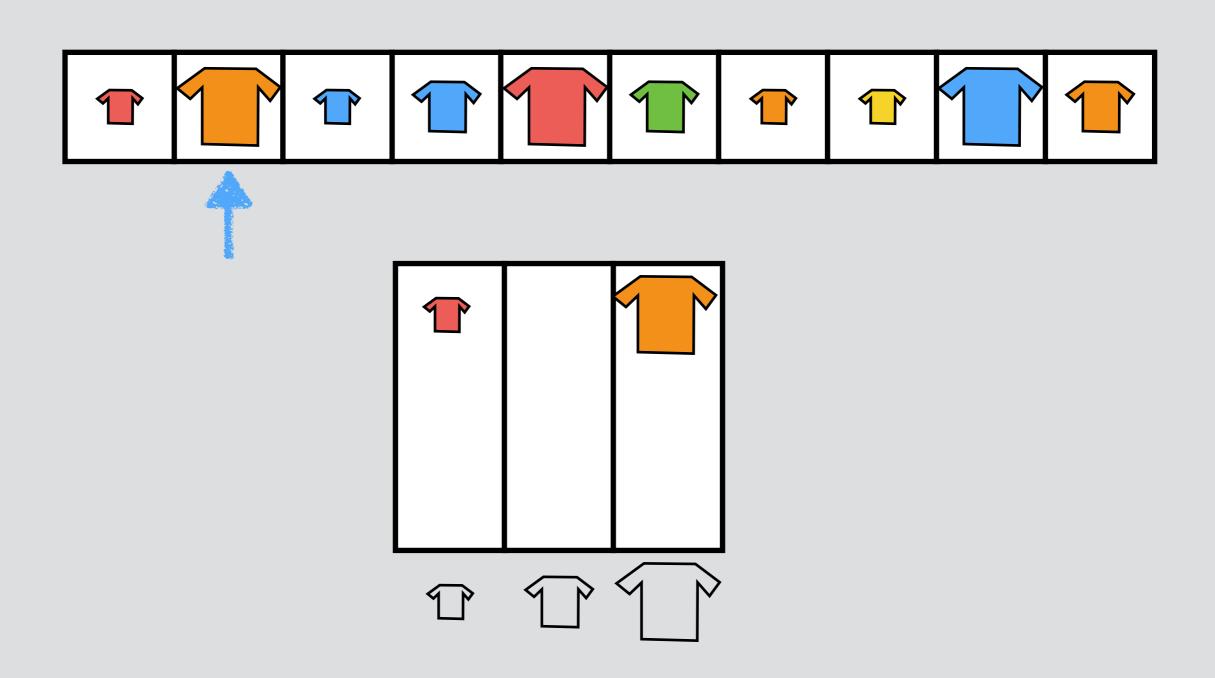
## Counting sort with additional data

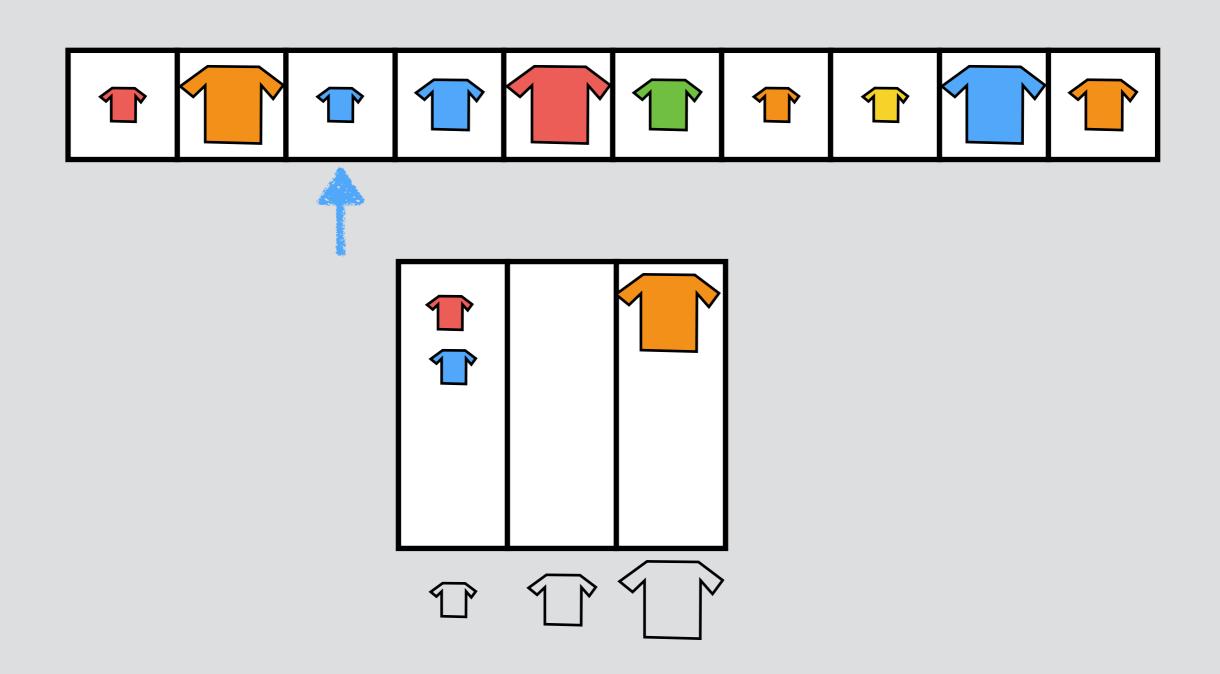


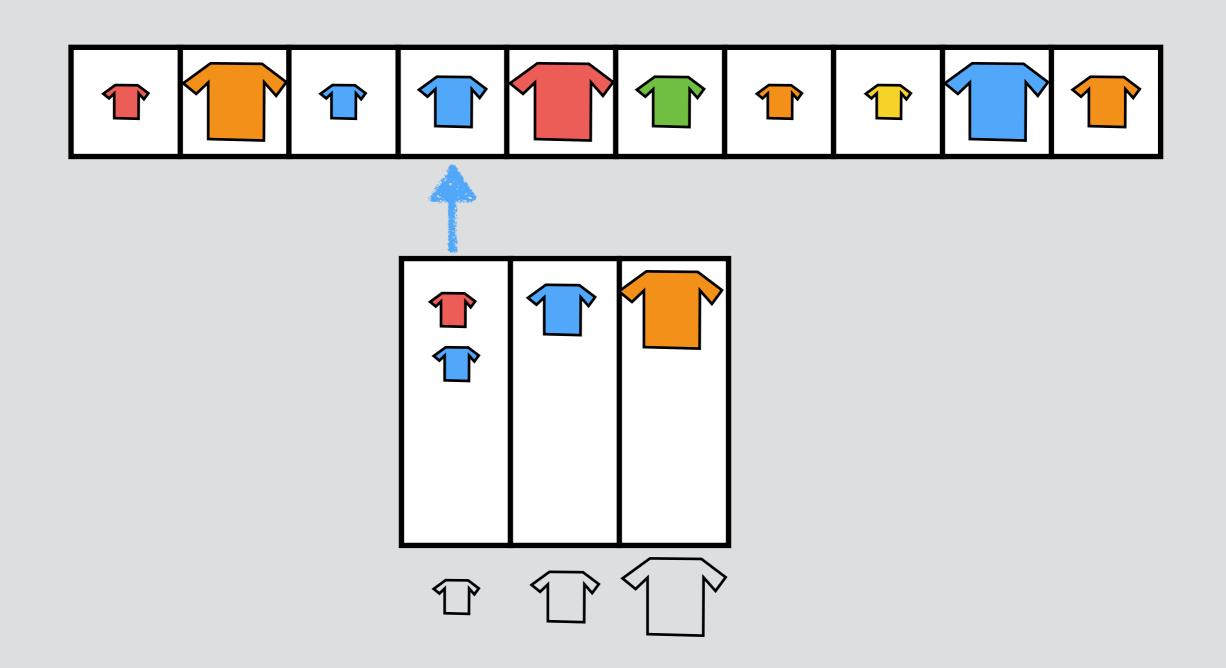


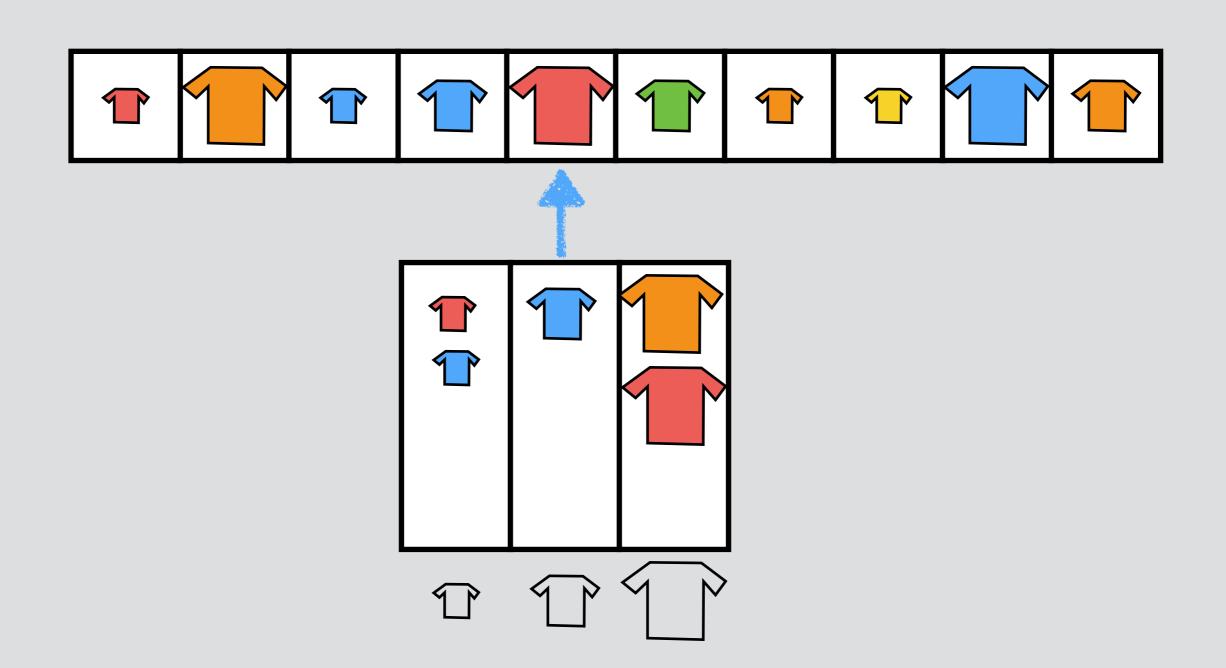


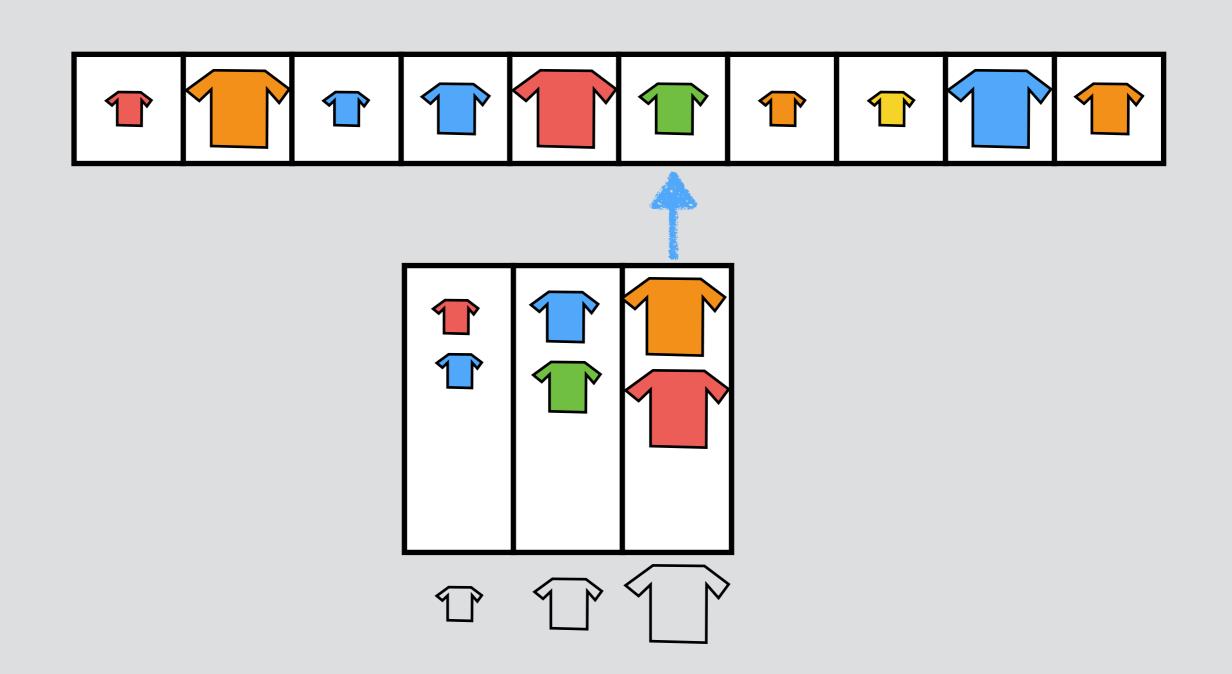


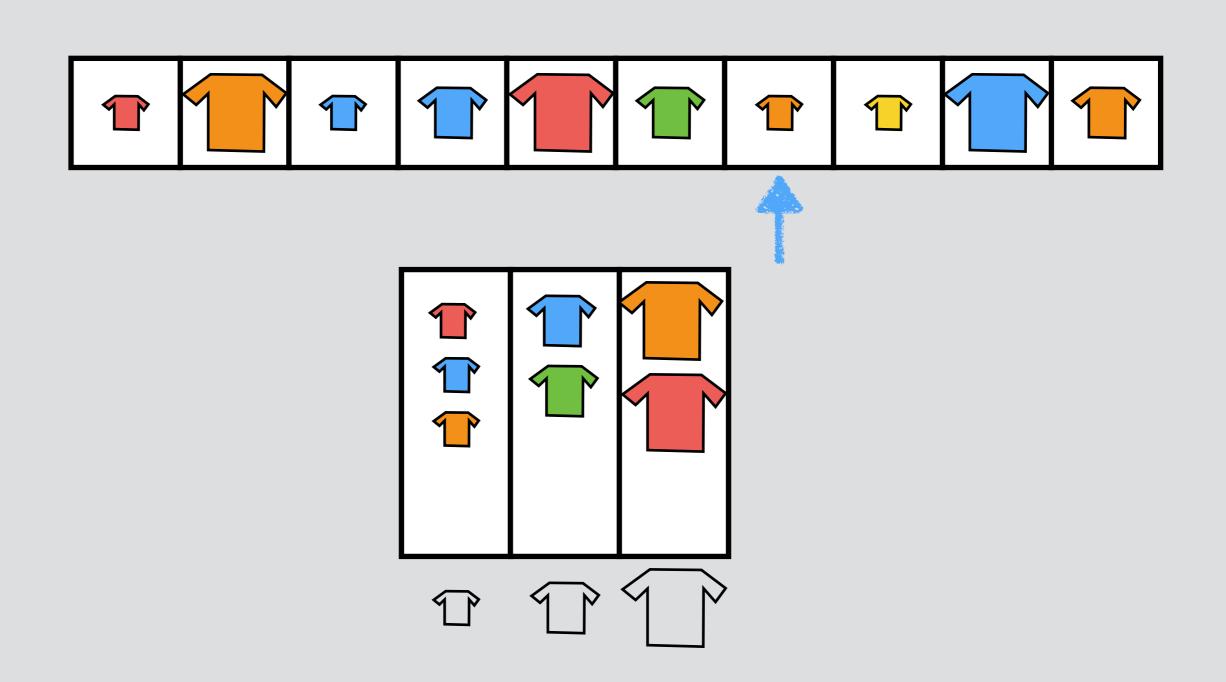


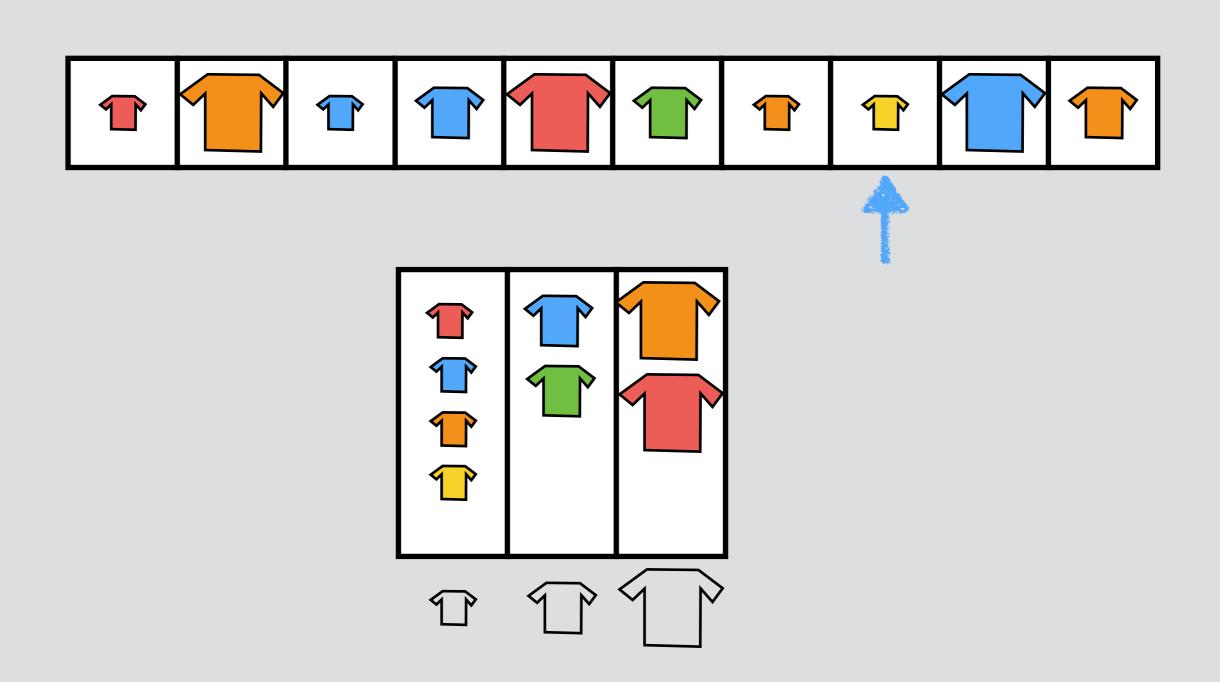


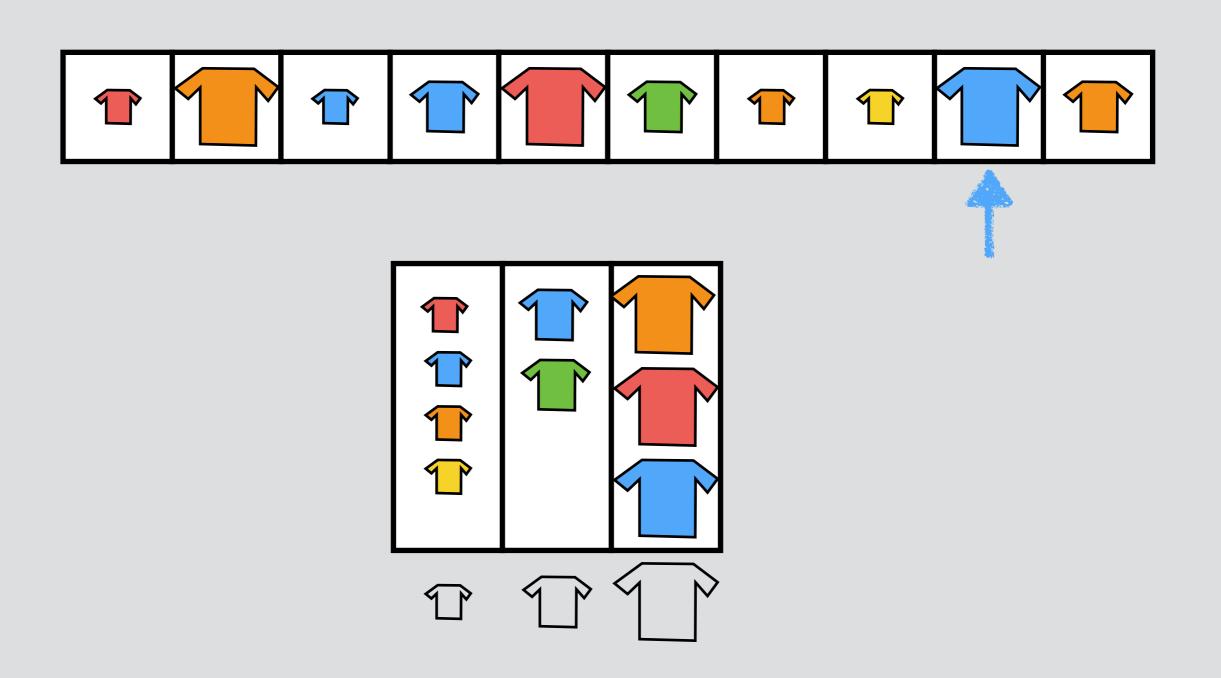


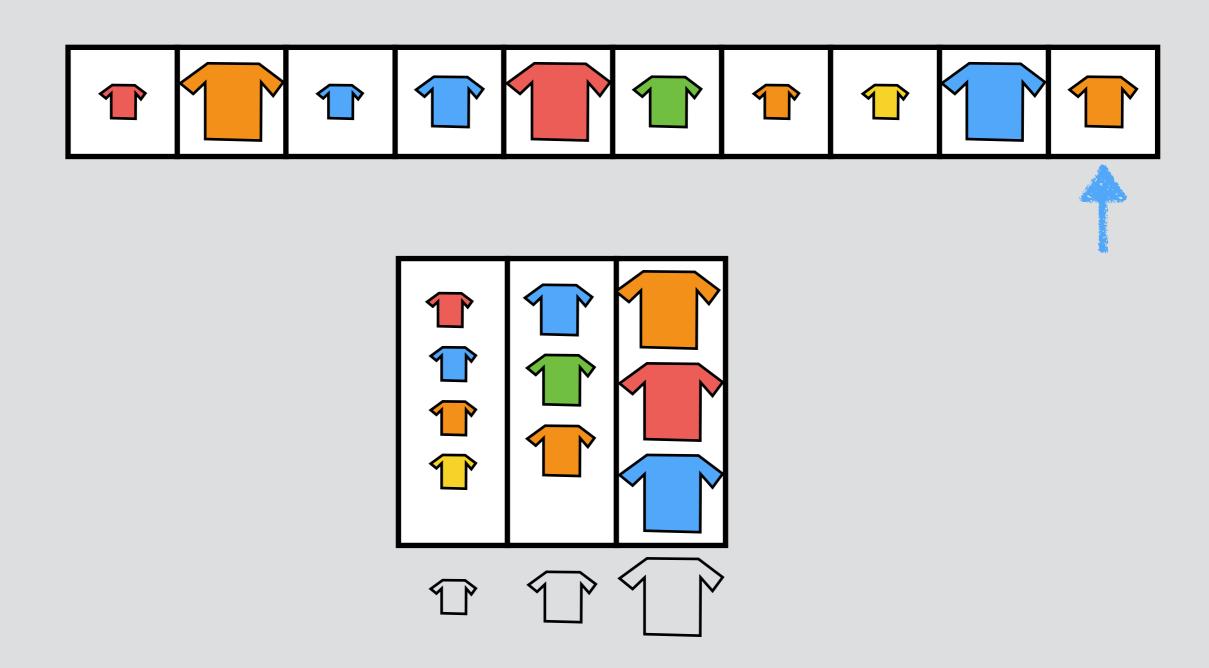


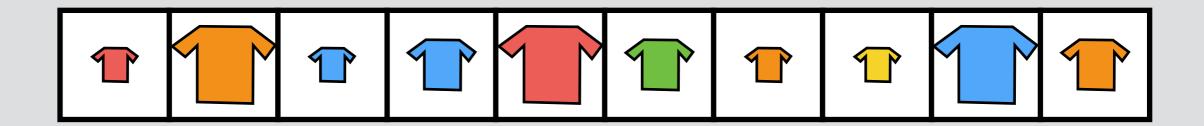


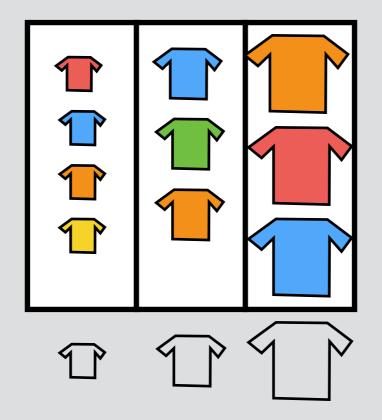


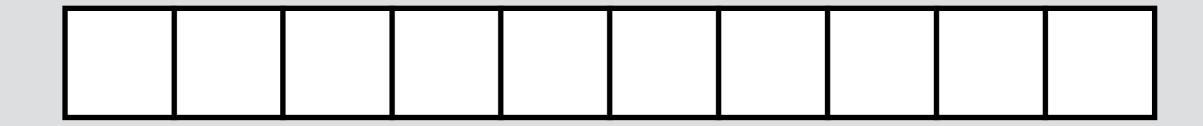


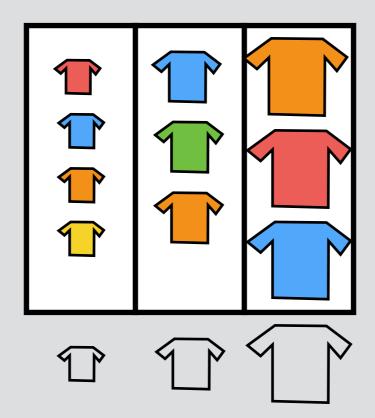




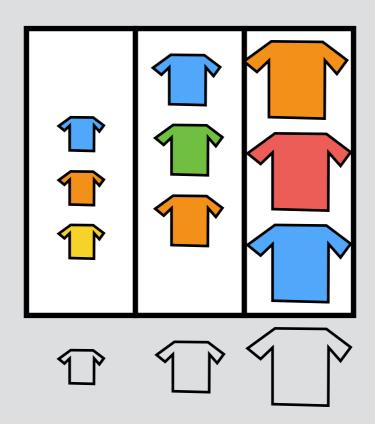




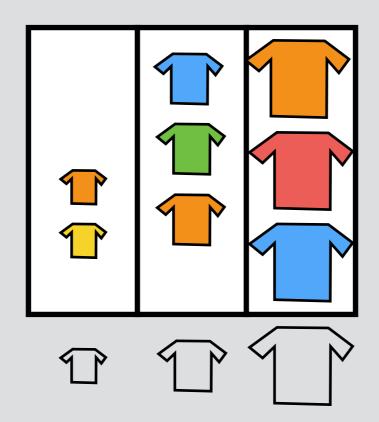


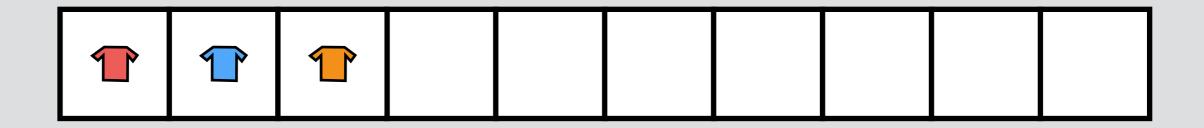


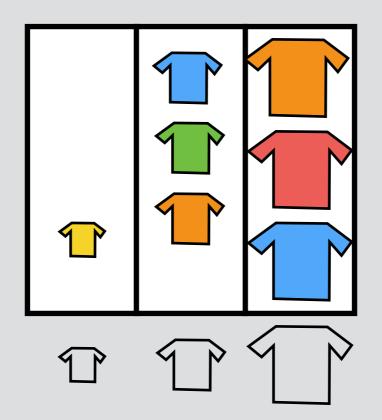


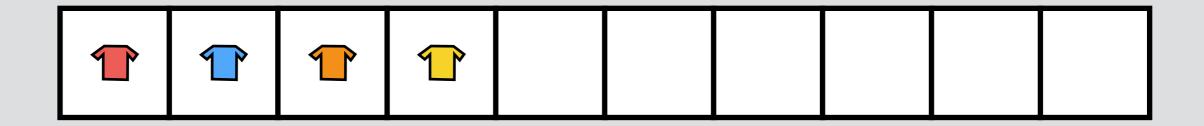


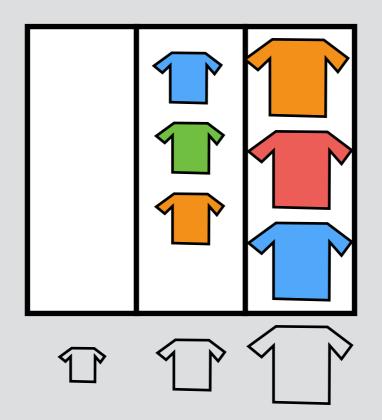


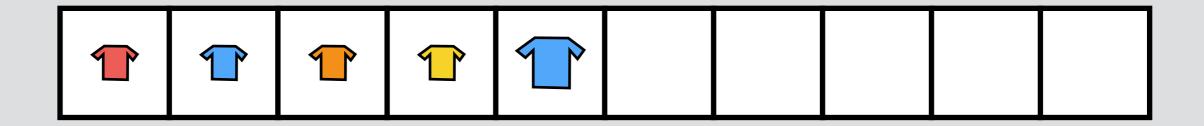


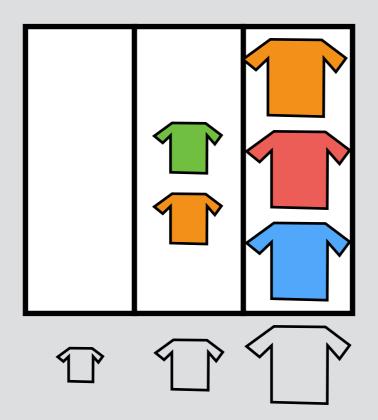


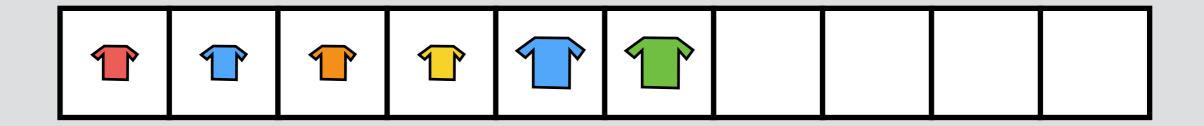


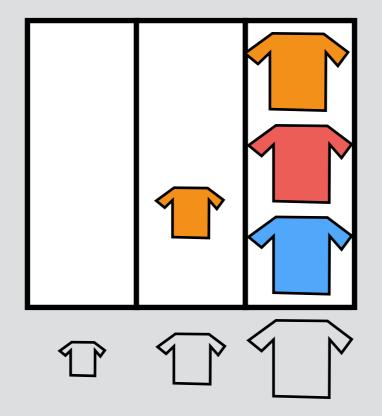


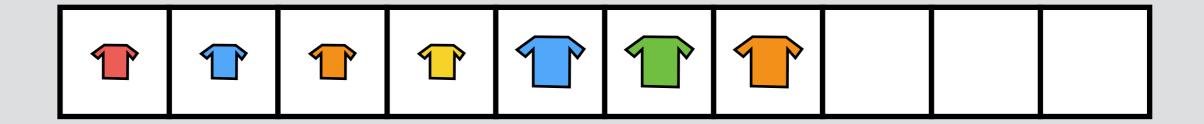


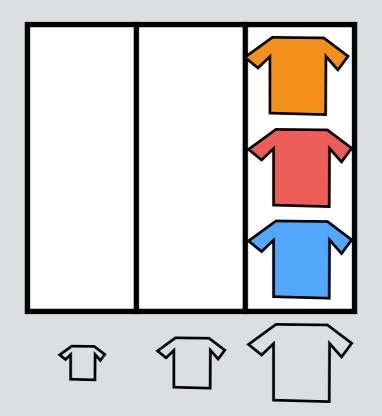


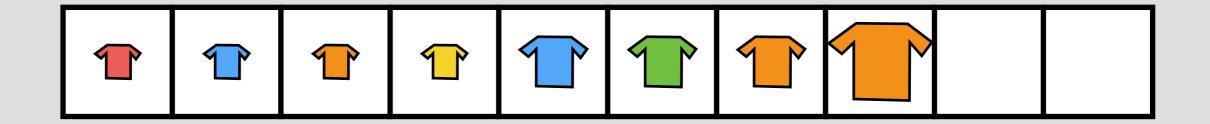


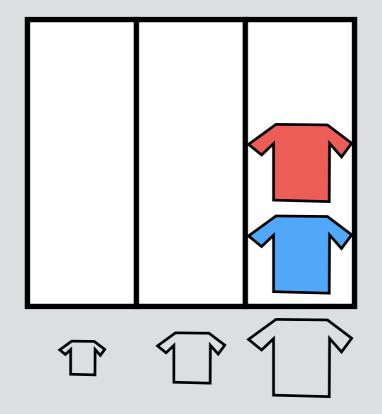


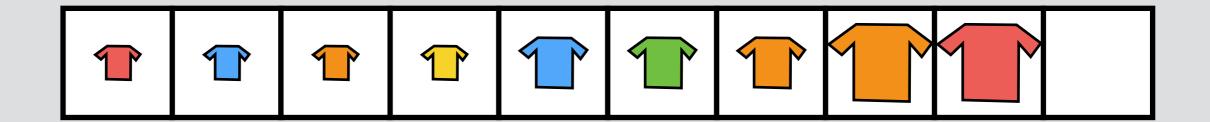


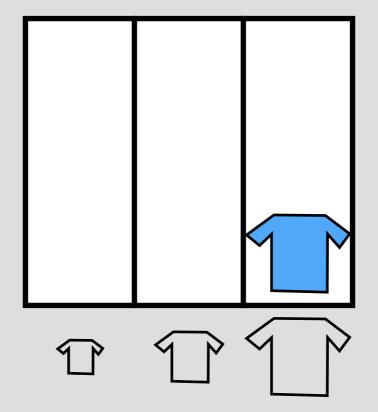


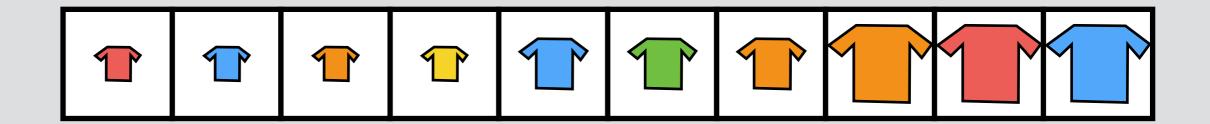


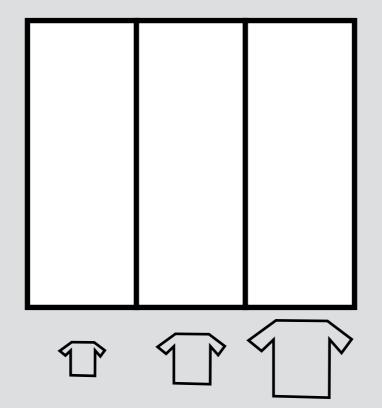


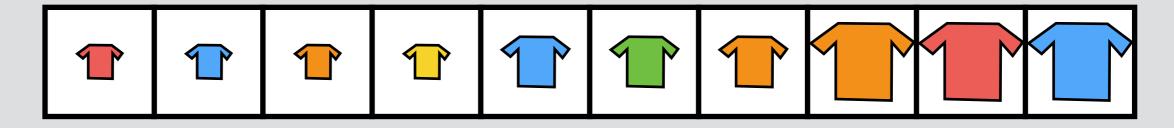












Sorted!