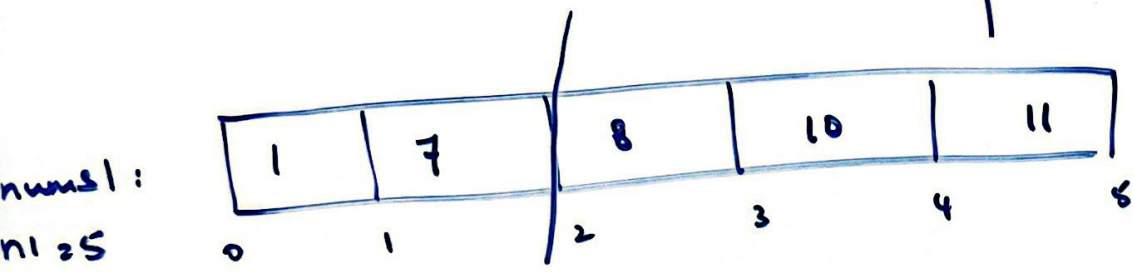
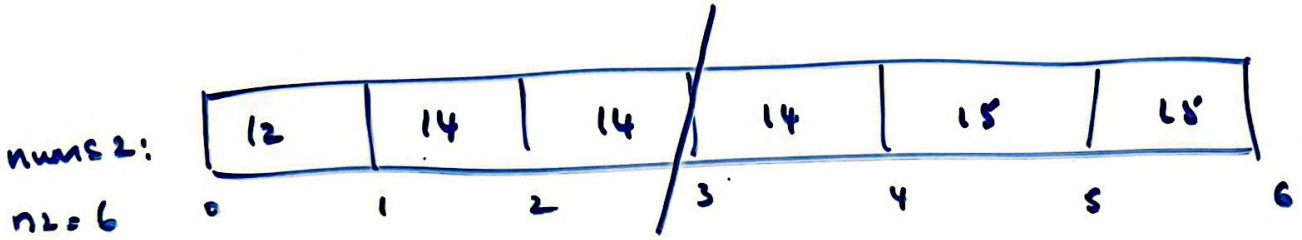
Do binary search on the smaller array

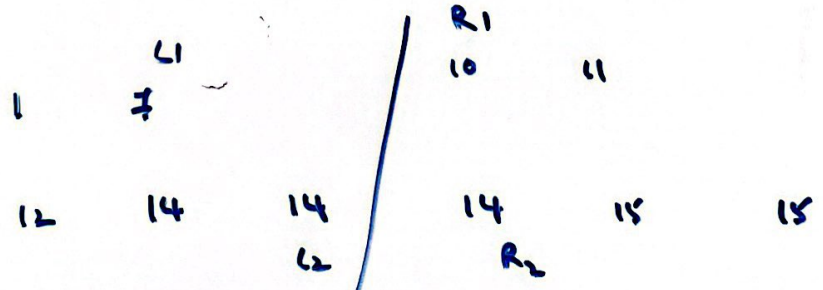




BS on nums1: Low = 0 High = 5 (partition numbers)

$partX = \frac{0+(5-0)}{2} = 2 \Rightarrow$ # elements taken from nums1.

$partY = \left(\frac{n1+n2}{2}\right) - partX = \left(\frac{5+6}{2}\right) - 2 = 3$



To ensure perfect partition:

$\{ L1 <= R1 \}$ $\{ L2 <= R2 \}$

$\{ L1 <= R2 \}$ $\{ L2 <= R1 \}$ → If this is not true, update partitions.

↓

This is true because array is sorted.