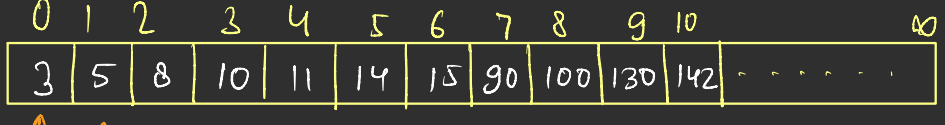
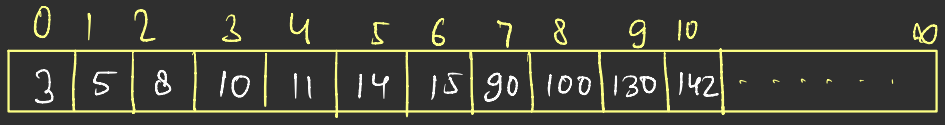
9. Find Position of an Element in a Sorted Array of Infinite numbers.

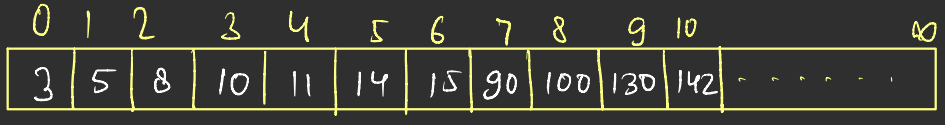


, target = 130

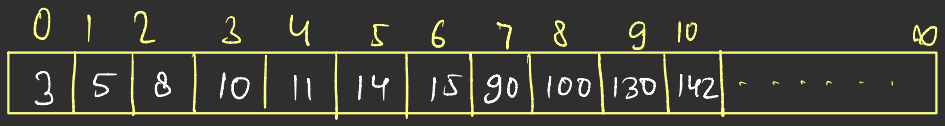
target > a[r] r = 2 * r



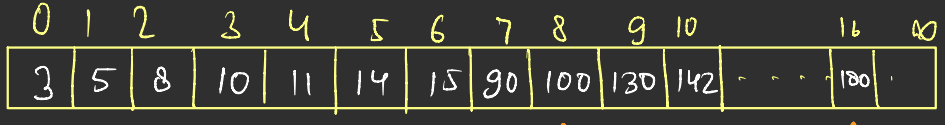
target > a[r] r = 2 * r



130 > 11



130 > 100



target < a[r] ⟶ search in [l, r]

Key point :

- In each iteration, double the r
- Check target & a[r]