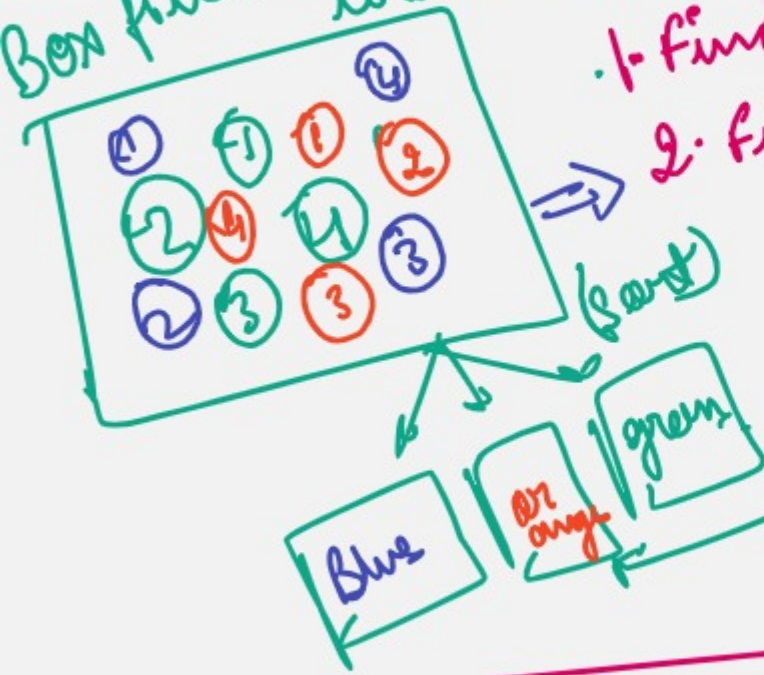


Box filled with colored balls



1. Find all blue colored balls! (sort)
2. Find orange no. 2 ball!

search



COM - 1210
com - 1211
HLS - 1510
HLS - 1511
HLS - 1512

Linear Search

10	2	3	6	40	50	6
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Target = 40

Binary Search (already sorted)

Input →

2	4	6	9	10	12
l=0	1	2	3	4	5=8

target = 9

① $mid = \frac{0+5}{2} = 2$ (round off)
 $arr[mid] = 6 < target$
 $arr[mid] < target$

②

9	10	12
l=3	4	5=7

new mid = $\frac{3+5}{2} = 4$

$arr[new mid] = 10 > target$
 $arr[mid] > target$

HashMap + Data Structure

↳ organizing key & value pairs

→ Implement in JS

- Map
- Object