

Binary Search

→ Binary search on answer

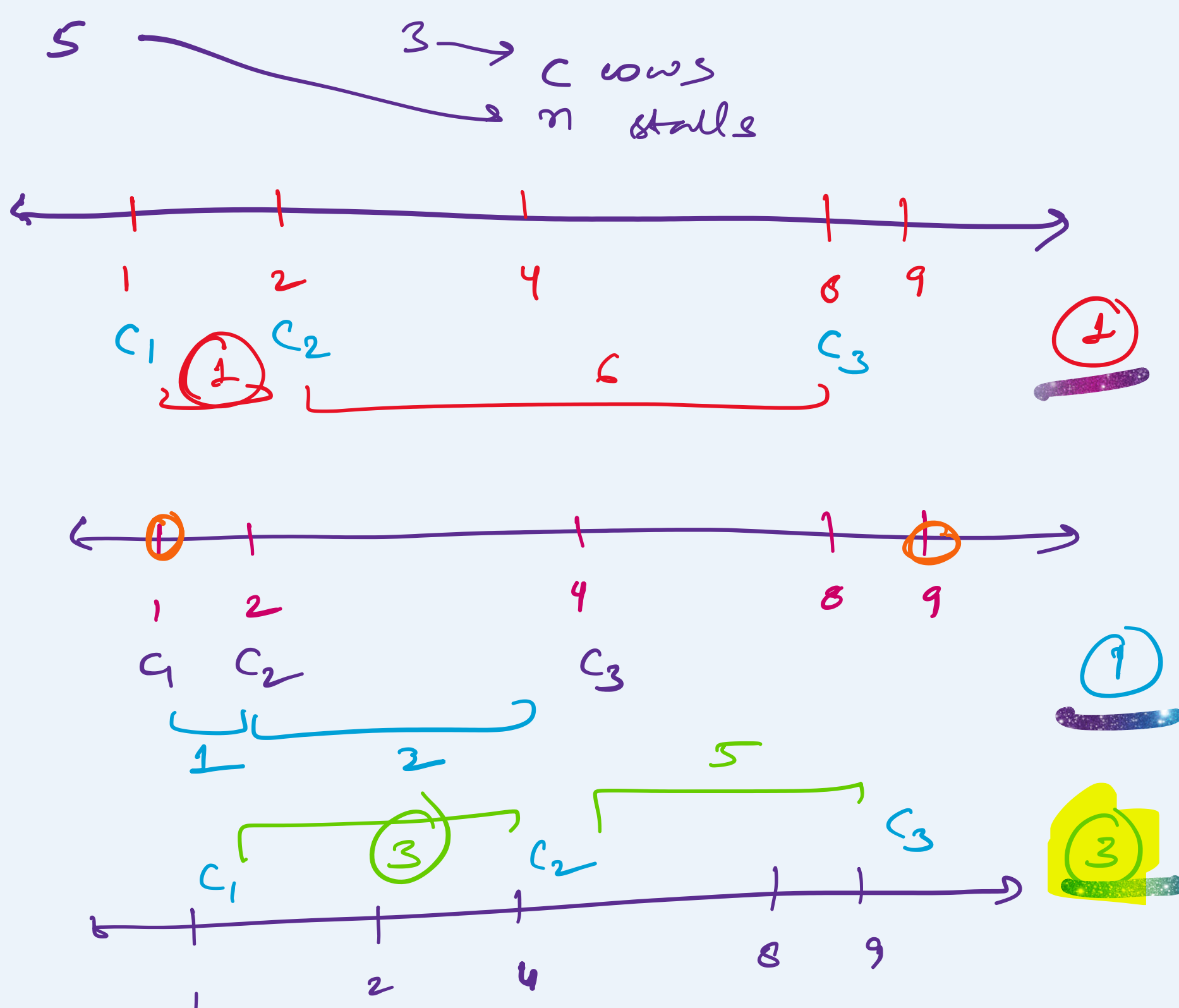
→ Minimax problems

Problems when you need to minimise a value, which is a maximum of some other values.

$$\min (\max (, , , , ,))$$

or

$$\max (\min (, , , , ,))$$

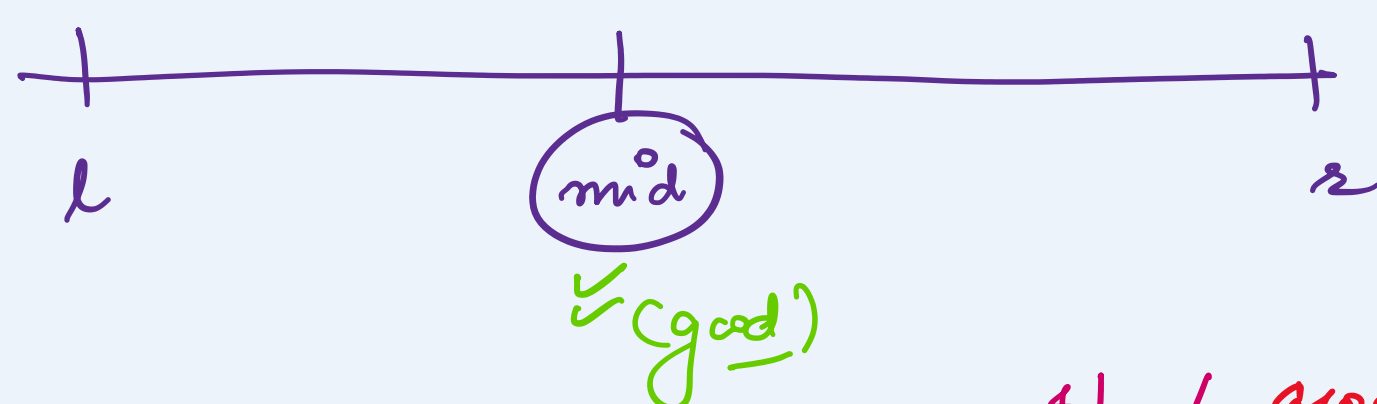
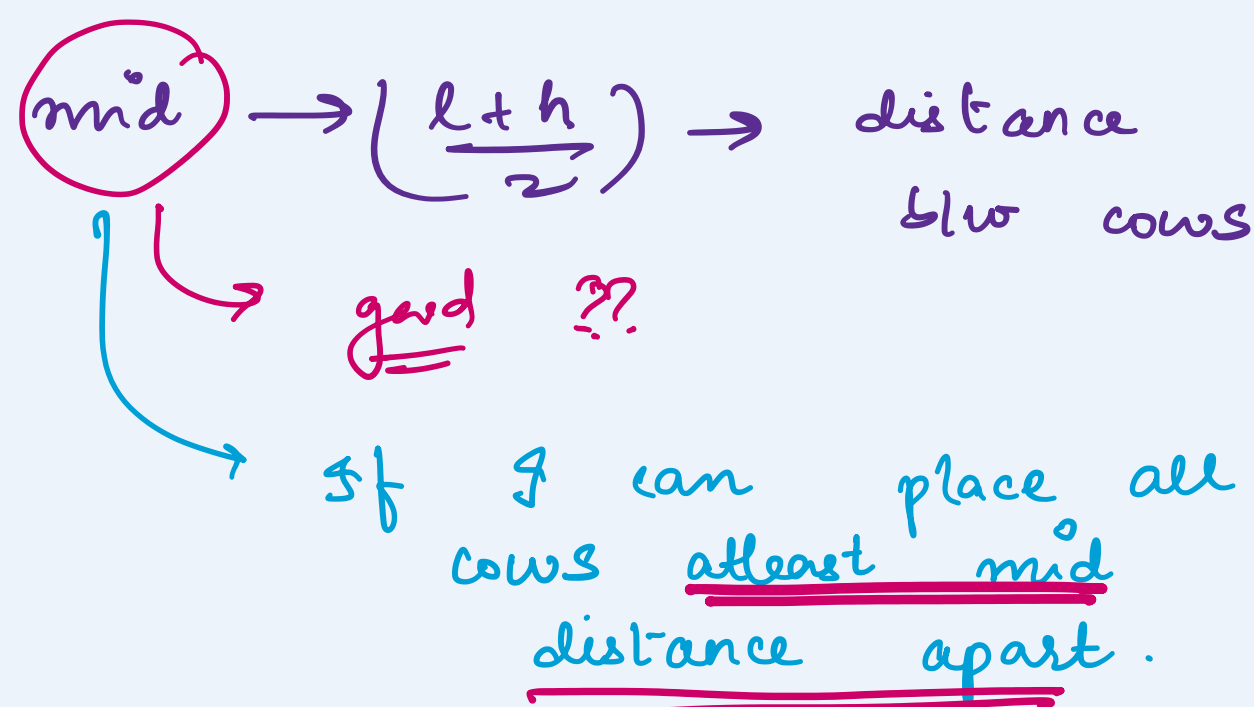


1. Search space
2. Middle
3. Decision based on mid value

ans → distance b/w cows.

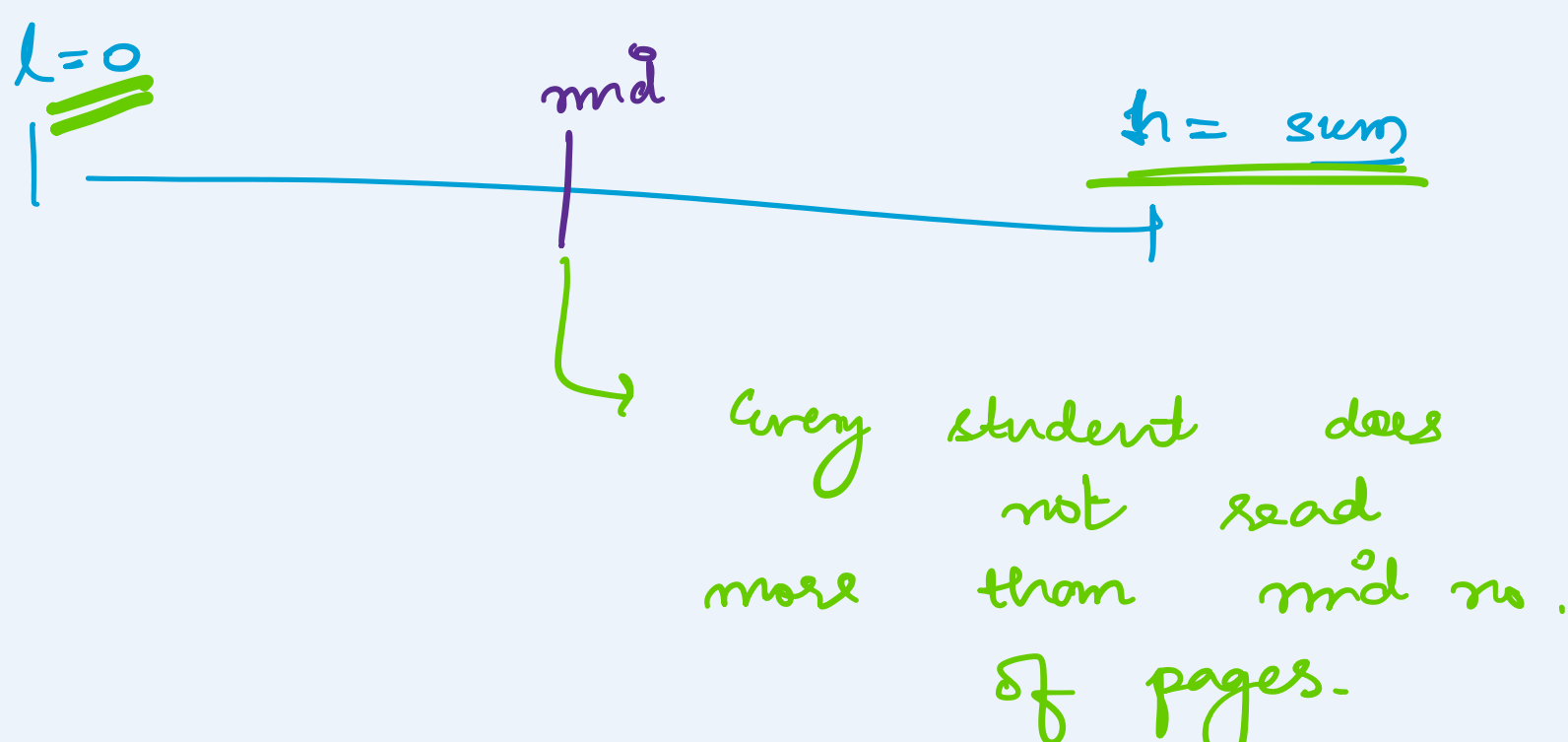
$$l = 1$$

$h = \text{max value of array.}$



if (good (mid) == t) → right
else → move left.

- ① Range / search space
- ② mid
- ③ Decision based on mid value



good (mid) → left
→ right.