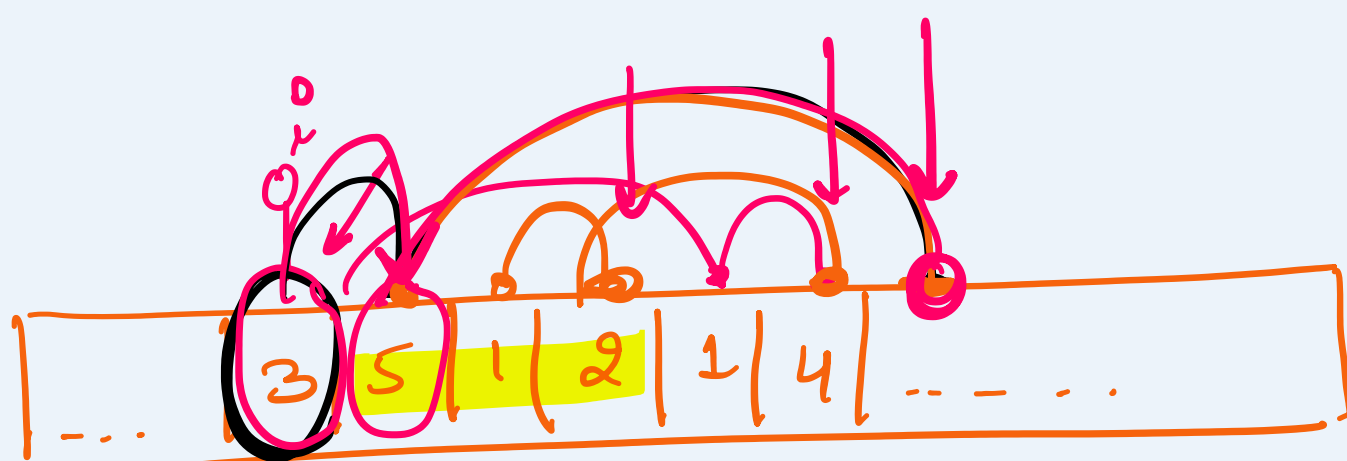


Q Jump game II

arr = [2, 3, 1, 1, 4]

ans → 2

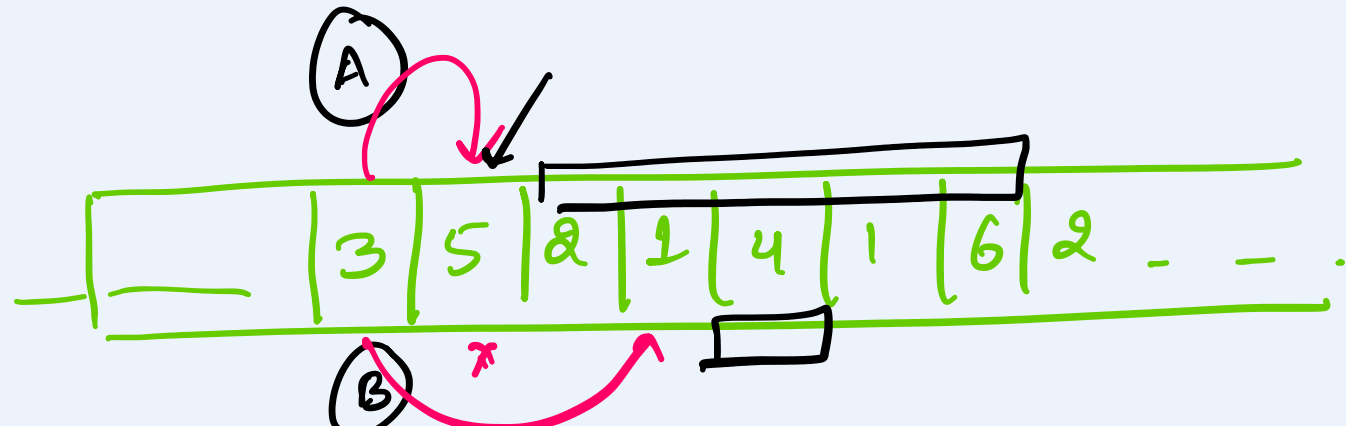


start

end

range → [start, end]

Proof by contradiction to verify that the greedy algorithm is correct.



→ If at any step, we make a different choice than what our greedy algorithm would make, we can find a better solution to the problem

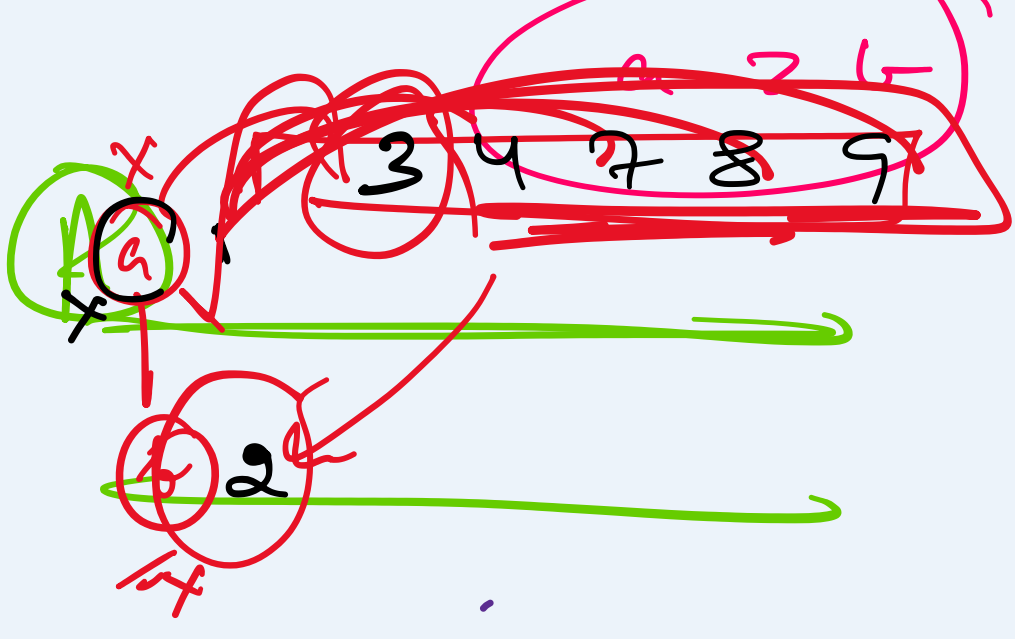
Q Advantage Shuffle (leetcode)

A = [2, 7, 11, 15]

B = [1, 10, 4, 11]

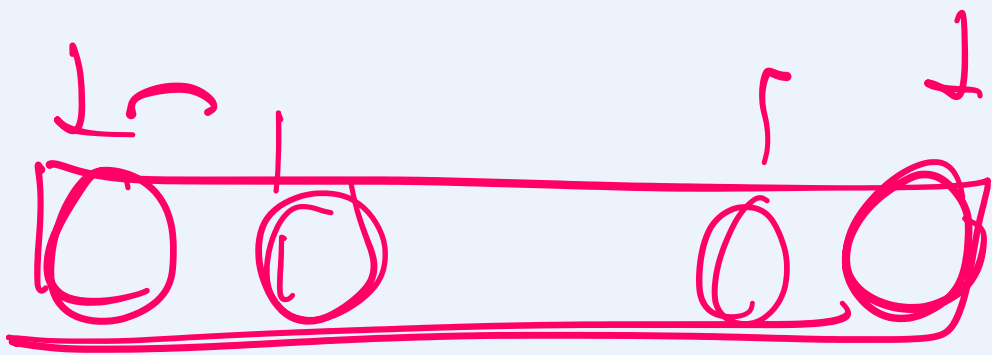
smallest

smallest



Q Boats to save people

If the lightest person can pair with any one, they might as well pair with the heaviest person.



If the heaviest person can share a boat with the lightest person

person[j] + person[i] ≤ limit,

then do so,

otherwise heaviest person sits on their own boat.