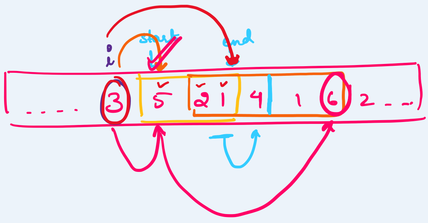
Q. Jump game II

array → +ve integers

reach last index in min jumps

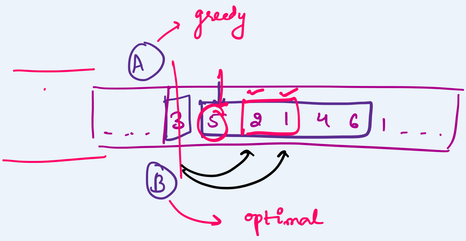
Eg: [2, 3, 1, 1, 4]

ans → 2



Proof by contradiction

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

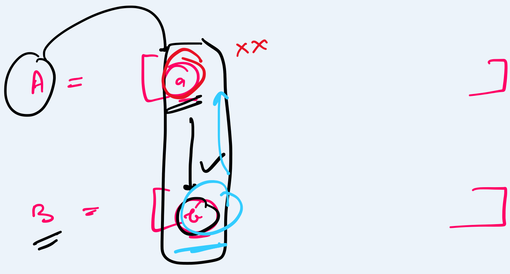


Q. Advantage shuffle

arr1 A = [2, 7, 11, 15]

arr2 B = [1, 10, 4, 11]

output → B → [2, 11, 7, 15]

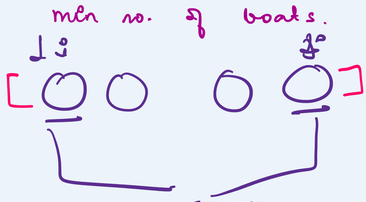


a > b

Q. Boats to save people

people = [3, 2, 2, 1]

limit → 3



Try pairing the heaviest person with the lightest person if.

person[j] + person[i] ≤ limit