

Jump Game

Input nums [2, 3, 1, 1, 4] → Output (true)

nums = [3, 2, 1, 0, 4] → Output (false)

Intuition → We can follow Greedy Approach or BFS on Array

[2, 3, 1, 1, 4]

int left = 0, right = 0, farthest = 0

[2, 3, 1, 1, 4]

left
right
1st jump
containing
farthest

farthest = max(farthest, nums[i] + i);

left = right + 1;

right = farthest

if (left > right)

return false

1st jump

[2, 3, 1, 1, 4]

2nd jump

left = 3

right = 4

right < (nums.length - 1)

While loop

[2, 3, 1, 1, 4]

Reached