

⑨

nums = [2, 3, 1, 4]

↑      ↗      ↘      ↘

Reached

~~for (i=0; i<n; i++) {~~  
~~if (nums[i+1] < n) {~~  
~~if ((i+nums[i+1]) < n) {~~

Concept is

index 0  $\Rightarrow$  man = 2

so can go +1, +2  
 if goes +1  $\Sigma$

then index 1  $\Rightarrow$  man = 3

so can go +1, +2, +3  
 if goes +1  $\Sigma$

then index 2  $\Rightarrow$  man = 1

so can only go +1  $\Sigma$

then index 3  $\Rightarrow$  man = 1

so can only go +1  $\Sigma$   
 Reached end

So how can we do?

Greedy Approach

1) False when index beyond max jump

2) If we go to another index we update  
max jump everytime  $(\underset{\text{prev}}{\text{max jump}}, i + \text{nums}[i])$   
(new)

3) if max jump  $\geq$  len of array  
↳ mean we can make the jump  
direct or with max jump len. len  
so return true

$O(n)$  Time

$O(1)$  Space