APProach 9:

We're now going to look very briefly at a neat trick we can do to remove this and reduce the time complexity down to O(NlogN)O(N \log N)O(NlogN).

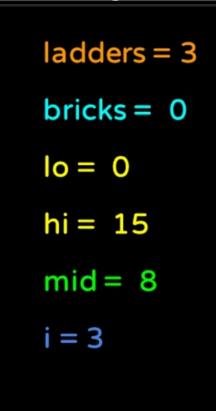
```
heights, bricks, and ladders are as specified in the problem
sorted_climbs = a new list
for each i between 0 and heights.length - 2 (inclusive):
    difference = heights[i + 1] - heights[i]
    if difference is positive:
        add pair(difference, i + 1) to sorted climbs
min-sort sorted_climbs using the first value (climb distances) of each pair
heights, bricks, and ladders are as specified in the problem
sorted_climbs is the list we defined just above
define function isReachable(building_index):
   bricks_remaining = bricks
    ladders_remaining = ladders
    for each value in sorted climbs:
        climb, index = split value into its two parts
       if index is greater than building_index:
            continue to the next iteration
       if bricks_remaining is at least climb:
            subtract climb from bricks remaining
        else if ladders_remaining greater than 0:
            subtract 1 from ladders_available
        else:
            return false
     return true
```

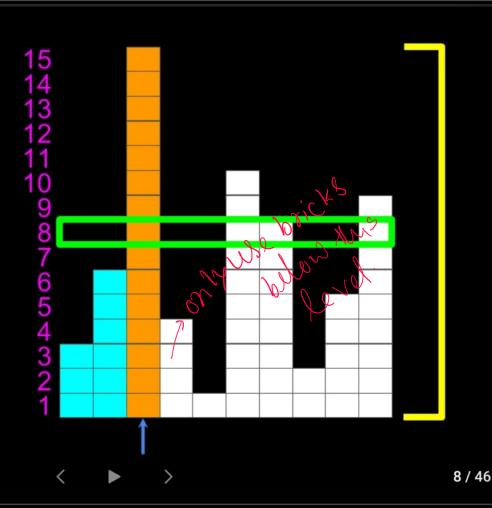
summony of alogorithm;

store all the heights and it's indexes to check while we don't consider those building which are out-of-our range, other than that normal greedy approach.

FiFth of Proach.

- 1. There were no ladders remaining, and there were not enough bricks for the next climb.
- 2. The number of bricks remaining at the end was *less than* the length of the shortest climb to use a ladder.
- 3. The longest climb to use bricks was shorter than, or equal to, the shortest climb to use a ladder.
- B let's find a threshold that denotes maximum jumps will be made by bricks and we want to maximize it, because it always try to use ladders to make highest jump.
- 6 Let's convert the problem by considering their height differences.





If using these levels we can see we have more ladders, then we will lower the level Otherwise higher the level.

But there is a case when height is exactly equal threshold then we will use ladder or brick. first use ladder

