·
We use given n which is the last Clust town army
or [1 to n]
find first bad one that causes everything else to be bad
Jiven is Bad Versian API - returns true it bad
refus labe it good
example N=5 [1, 2, 3, 4, 5]
isBadverion (5) - Thre isBadverion (4) - True isBadverion (3) - False
Srebun A
is had Version - I rue
Mhron
ulile n >0:
it is Bad Versian: O(1) space
$\frac{n-n-1}{e!}$ $\frac{0(n) \text{ bine}}{e!}$
return+

Mhin 1
Binary Search Solution
$\begin{cases} 1, 2, 3, 4, 5 \end{cases}$ $\begin{cases} 1, 3, 4, 5, 5 \end{cases}$ $\begin{cases} 1, 3, 4, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,$
ni) Mesultzn
while lest (= right;
mid- lettilit // 2
if is Bad Version (Mi);
result = mid
right=mid-1
P/LP
else retr-mil+1
ochun Pescult - 0 (kgn) stine 0 (1) - 5 SpM
- () () () () () () () () () (
0(1) -3 +14