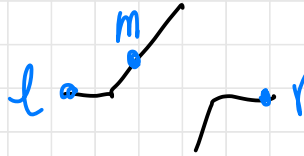
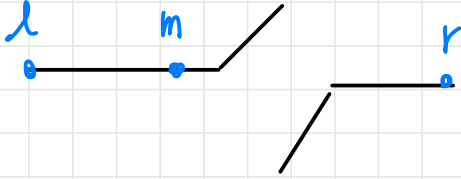


81.

the difference from 33 is that we sometimes cannot determine the mid in left or right

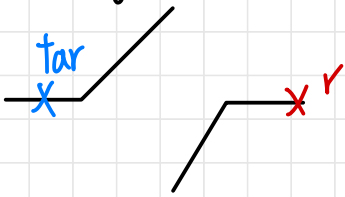
e.g.



Solve

So we keep shrinking r until $\text{nums}[m] \neq \text{nums}[r]$,
After that, $\text{nums}[m] \neq \text{nums}[r]$ $\begin{cases} \text{greater: left} \\ \text{less: right} \end{cases}$

However, we still cannot determine target in left or right. But NOTICE, either side is OK because the target will still in our range.



To sum up, just shrink r and others remain the same with #33