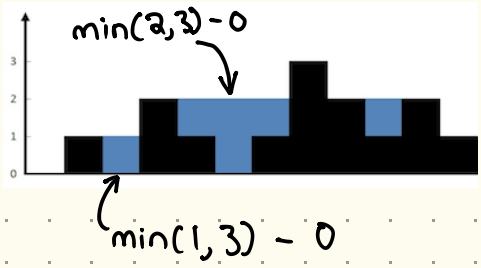
42. Trapping Rain Water



⓪ $area(i) = \min \begin{cases} \max(height[:i]) \\ \max(height[i+1:]) \end{cases} - height[i]$

①

0 01 →

$l[i] = \max(height[:i+1])$

←-2-1

$r[i] = \max(height[i:])$

Empty space counts as $-\infty$, water falls out