```java
class
Solution
{
            public int trap(int[] height) {
                int len=height.length,ans=0;
                int left=1,leftMax=height[0],right=len-2,rightMax=height[len-1];
                while(left<=right)
                {
                    if(leftMax<rightMax)
                    {
                    if(height[left]>=leftMax)
                    {
                        leftMax=height[left++];
                    }
                    else
                    {
                        ans+=leftMax-height[left++];
                    }
                    }
                    else
                    {
                    if(height[right]>=rightMax)
                    {
                        rightMax=height[right--];
                    }
                    else
                    {
                        ans+=rightMax-height[right--];
                    }
                    }

                }
                return ans;

            }
        }
```