class Solution {

public:

int maxArea(vector<int>& height) {

int area=INT\_MIN,smallarea;

int i=0;

int j=height.size()-1;

while(i<j){

if(height[i]<=height[j]){

smallarea=height[i]\*(j-i);

area=max(area,smallarea);

i++;

}else if(height[i]>height[j]){

smallarea=height[j]\*(j-i);

area=max(area,smallarea);

j--;

}

}

return area;

}

};