# 198. House Robber

## SOLUTION IN JAVA

class Solution {

public int rob(int[] nums) {

final int n = nums.length;

if (n == 0)

return 0;

if (n == 1)

return nums[0];

// dp[i] := the maximum money of robbing nums[0..i]

int[] dp = new int[n];

dp[0] = nums[0];

dp[1] = Math.max(nums[0], nums[1]);

for (int i = 2; i < n; ++i)

dp[i] = Math.max(dp[i - 1], dp[i - 2] + nums[i]);

return dp[n - 1];

}

}