class Solution(object):

def rob(self, nums):

"""

:type nums: List[int]

:rtype: int

"""

if not nums:

return 0

dp = [0 for i in range(len(nums)+1)]

dp[1] = nums[0]

for i in range(2,len(dp)):

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

return dp[-1]