

136. You are a professional robber planning to rob houses along a street. Each house has a certain amount of money stashed. All houses at this place are arranged in a circle. That means the first house is the neighbor of the last one. Meanwhile, adjacent houses have security systems connected, and it will automatically contact the police if two adjacent houses were broken into on the same night.

```
Program: def rob(nums):
    def rob_range(start, end):
        rob_next, rob_curr = 0, 0
        for i in range(start, end):
            rob_next, rob_curr = max(rob_curr + nums[i], rob_next), rob_next
        return rob_next

    if len(nums) == 1:
        return nums[0]
    return max(rob_range(0, len(nums) - 1), rob_range(1, len(nums)))
```

Example

```
nums = [2, 3, 2]
```

```
print("The maximum money you can rob without alerting the police is:", rob(nums))
```

output:

```
The maximum money you can rob without alerting the police is: 3
```

```
=== Code Execution Successful ===
```

TIME COMPLEXITY:-O(n)