 <b>Marwadi</b> University	<b>Marwadi University</b> <b>Faculty of Technology</b> <b>Department of Information and Communication Technology</b>	
<b>Sem : 5</b>	<b>Name : Pushti Depani</b>	
<b>Day : 67</b>	<b>Date : 23/12/2022</b>	<b>Enrollment No: 92000133018</b>

## CP Club 365Days Challenge

Programming language – Any language

### Problem Statement

<https://practice.geeksforgeeks.org/problems/burst-balloons/1>

#### **Your Code:**

class Solution:

```
def maxCoins(self, N : int, arr : List[int]) -> int:
    # code here
```

```
arr = [1] + arr + [1]
number = [[0]*len(arr) for i in range(len(arr))]
```


```
for i in range(len(arr)-2,0,-1):
    for j in range(i,len(arr)-1):
        for k in range(i,j+1):
```

```
            number[i][j] = max(number[i][j],arr[i-1]*arr[k]*arr[j+1])
```

```
return number[1][len(arr)-2]
```

#### **Output (Screen Shot):**

#### **Understanding about problem:**

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In this problem we are given N ballons, we have to gain ballon in the range  $[i-1, i, i+1]$  . so we will use index from 0 to n-1. And then check if the array is out of bound of index or not.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

**ALL THE BEST**

Team CP Club