

$\text{new}(i) \leftarrow$
 $\text{if } (i = n) \leftarrow$
 $\text{Pr} - 1$
 \downarrow
 multipick
 $\text{new}(s, i+1)$
 (2^n)
 $\text{if } s = \text{axis}$
 $\text{new}(s, i+1)$
 \downarrow

$x \cdot x^2 \cdot x^3 \cdot x^4 \cdot x^5 \cdot x^6 \cdot x^7 \cdot x^8 \cdot x^9 \cdot x^{10} \cdot x^{11} \cdot x^{12}$

```
//Write code here  
int res = 0;  
for(int i = 0; i < n; i++){  
    int contribution = (i+1) * (n-i); //the  
    if((contribution & 1) == 1) f++; check  
    res += arr[i];  
}  
return res;
```

0! 3 6 8
7=0 2 3
3+3

$$\begin{array}{l} 5 \longrightarrow \\ 3 \longrightarrow \\ 5 + 3 \end{array}$$

1010
1100
0110
2

[illegible]

Grouping of xor

$[1, 2, 3] \Rightarrow 1^1 2^1 3$

$\underline{O(n^2)}$

$[1^1 \wedge 1^1 2^1 \wedge 1^1 2^1 3^1 \wedge 2^1 3^1 \wedge 3]$

$(1^1 3)$

\rightarrow Count contribution

\rightarrow if Condit is odd
xor it with
result

$$\begin{array}{cccccc}
 0 & 1 & 2 & 3 & 4 & 5-1 \\
 1 & 2 & 3 & 4 & 5 & \\
 \text{count} & & & & & \\
 (i+1) & \times & (n-i) & & & \\
 & & & & & 3 \\
 & & & & & 34 \\
 & & & & & 345 \\
 O(1) & & & & & 5-2=3
 \end{array}$$

[illegible]

1 $\overbrace{\quad\quad\quad}^{-1}$
 31
 1 1 1 1 1
 31