**Problem :** [**https://practice.geeksforgeeks.org/problems/boolean-parenthesization5610/1#**](https://practice.geeksforgeeks.org/problems/boolean-parenthesization5610/1#)

**Approach :**

E.g : T^F|T&F^T

For this string of length = 9 , we can split at every symbol(operator), means index 1, 3, 5, 7 .

So at index 1 symbol is XOR, so no of ways to parenthesize left part such that it’s **true,** and right part **false** (**multiplication of both**) **can be added to answer.**

T F, F T will give true, and rest false.

So try to find answer from length of substring 1, then 3, then 5 and so on.

**Code :** [**https://practice.geeksforgeeks.org/viewSol.php?subId=4976896269295d3d7b49df7d1016761c&pid=705175&user=alaymehta1**](https://practice.geeksforgeeks.org/viewSol.php?subId=4976896269295d3d7b49df7d1016761c&pid=705175&user=alaymehta1)