Day44

Code –

class Solution {

public:

bool checkValidString(string s) {

int l=0,r=0;

int star=0;

for(auto it:s)

{

if(it=='(')l++;

else if(it==')')r++;

else star++;

if(r>l+star)return false;

}

bool f1= (l+star>=r);

l=0;

r=0;

star=0;

for(int i=s.size()-1;i>=0;i--)

{

if(s[i]=='(')l++;

else if(s[i]==')')r++;

else star++;

if(l>r+star)return false;

}

bool f2=(r+star>=l);

return (f1 and f2);

}

};----------------------------------------------------------------------------------------------------------**Time complexity**:We are traversing the loop twice so O(2n)-->O(n)

**Space complexity:**  
We are not utilising any extra space. SC O(1).

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A screenshot of a computer

Description automatically generated