

$$\frac{(a+b)}{0123456} \rightarrow \frac{7}{8}$$

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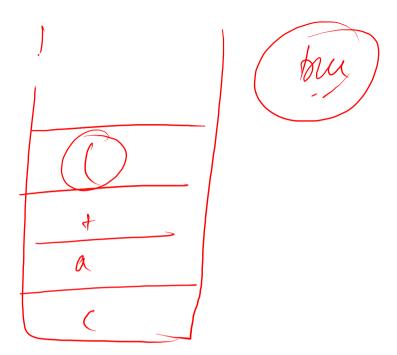
$$\frac{(a+$$

Duplick Brucko Needless Barckyb (Stock < Character 7 St = new Stack <>())) for (idx = 0; idx < str. length(); idx) {- ]

(h < str. charA+(idx))

```
String exp = scn.nextLine();
Stack<Character> st = new Stack<>();
for(int idx = 0 ; idx < exp.length() ; idx++){</pre>
    char ch = exp.charAt(idx);
    if(ch == ')'){
        if(st.peek() == '('){
            System.out.println("true");
            return;
        while(st.peek() != '('){
            st.pop();
        st.pop();
    }else{
        st.push(ch);
System.out.println("false");
```

(a+b+c)



Bdoned (Brackets)

$$\left[\frac{S(a+b)+C_3+d}{S(a+b)+C_3+d}\right] \Rightarrow Falm$$

$$S(a+b)$$

$$S(a+b)$$

$$S(a+b)$$

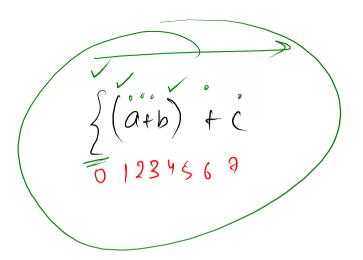
$$S(a+b)$$

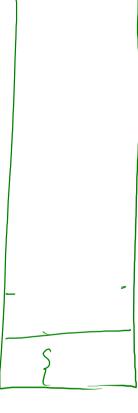
$$S(a+b)$$

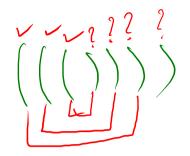
$$S(a+b)$$

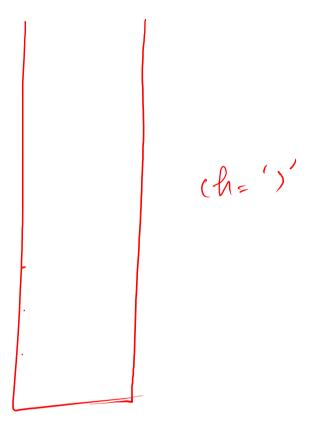
$$S(a+b)$$

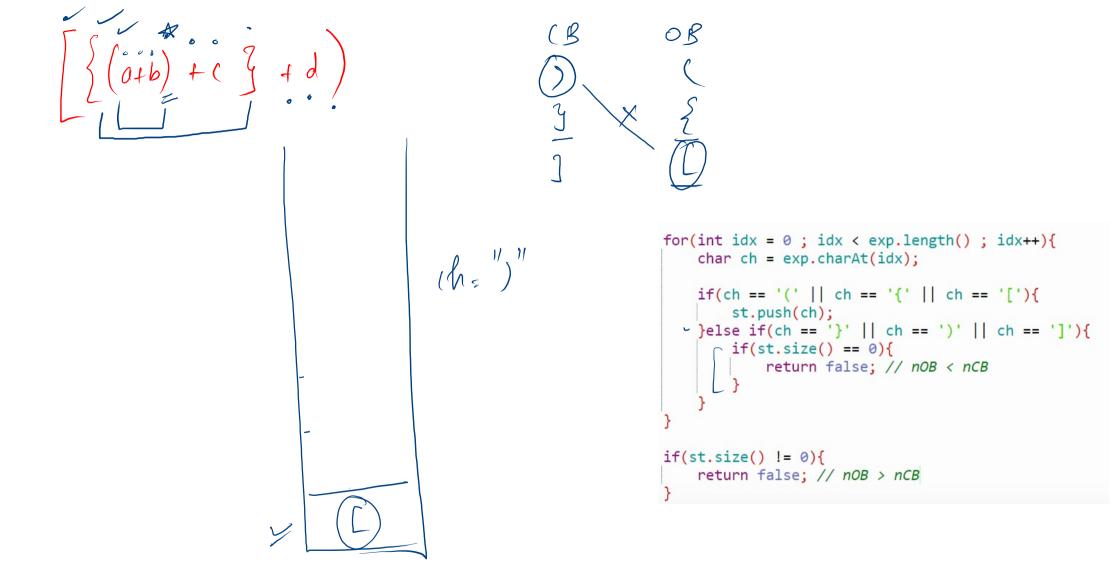
$$S(a+b)$$





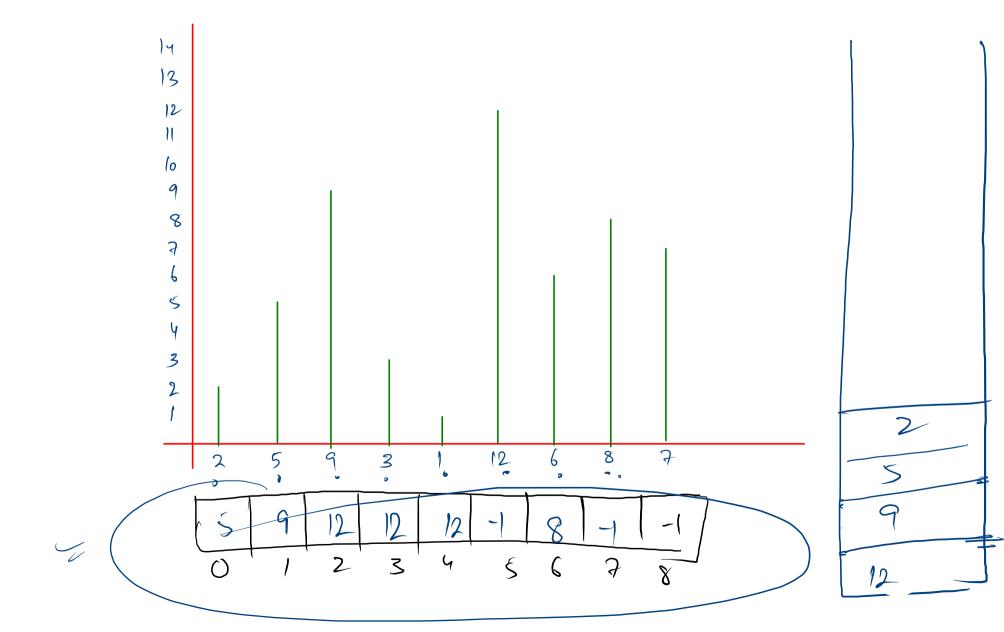


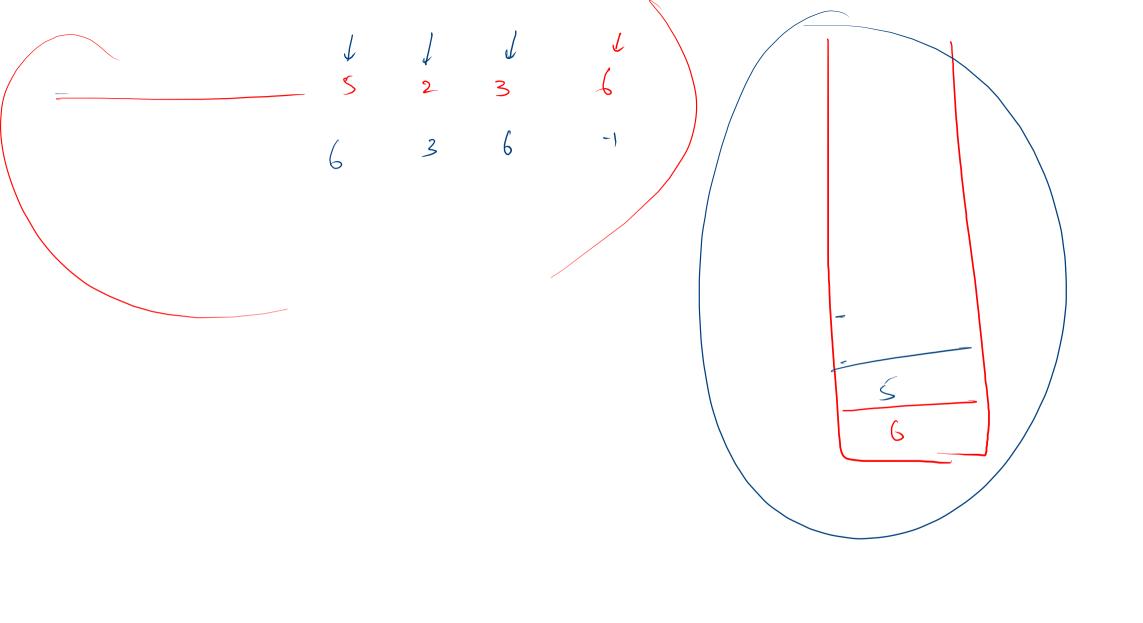




```
public static boolean isBalanced(String exp){
    Stack<Character> st = new Stack<>();
    for(int idx = 0 ; idx < exp.length() ; idx++){</pre>
        char ch = exp.charAt(idx);
        if(ch == '(' || ch == '{' || ch == '['){
            st.push(ch);
        }else if(ch == '}' || ch == ')' || ch == ']'){
            if(st.size() == 0){
                return false; // nOB < nCB
            if(ch == ')' && st.peek() != '('){
                return false;
            if(ch == '}' && st.peek() != '{'){
                return false;
            if(ch == ']' && st.peek() != '['){
                return false;
            st.pop(); // opening bracket
   if(st.size() != 0){
        return false; // nOB > nCB
    return true;
```

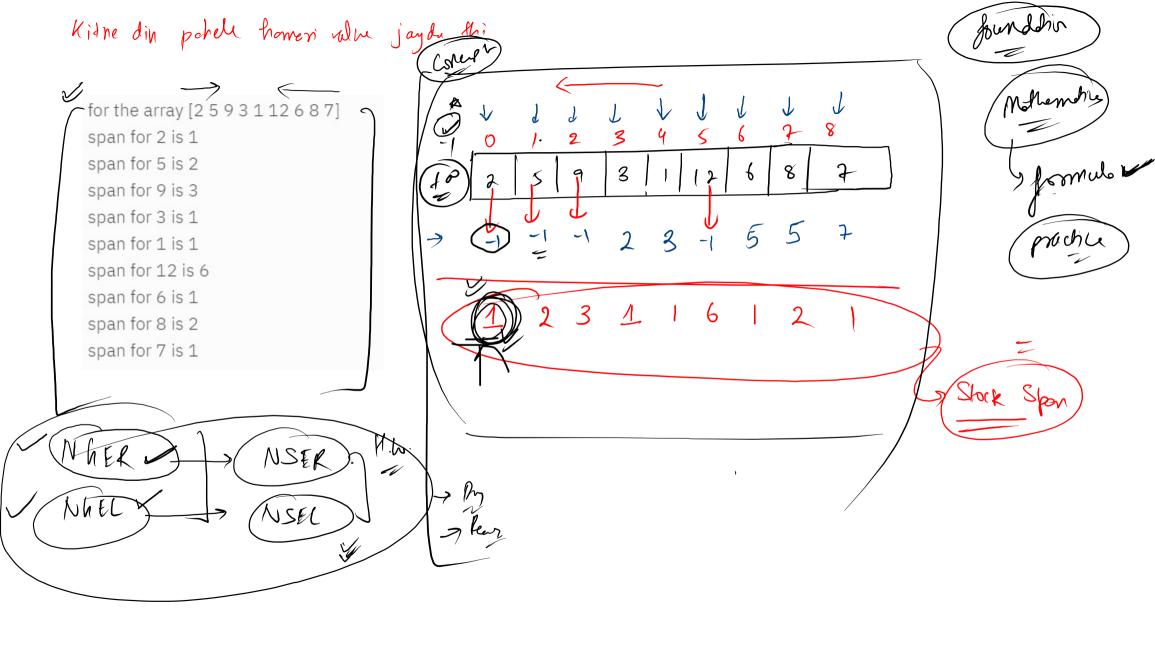
$$[(a + b) + \{(c + d) * (e / f)\}]$$





 $2m = \begin{bmatrix} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 \\ 2 & 5 & 9 & 3 & 1 & 1 & 2 & 6 & 8 & 7 \end{bmatrix}$   $2m = \begin{bmatrix} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 \\ 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 \\ 1 & 1 & 1 & 1 & 1 & 1 \end{bmatrix}$   $2s = \begin{bmatrix} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 \\ 1 & 1 & 1 & 1 & 1 & 1 \end{bmatrix}$ 

```
public static int[] solve(int[] arr){
 int n = arr.length;
 Stack<Integer> st = new Stack<>();
 st.push(arr[n-1]);
 int res[] = new int[n];
 res[n-1] = -1;
 for(int idx = n-2; idx >= 0; idx--){
   while(st.size() > 0 && arr[idx] >= st.peek()){
      st.pop();
   if(st.size() == 0){
      res[idx] = -1;
   }else{
      res[idx] = st.peek();
   st.push(arr[idx])
 return res;
```



on= [2593112687]

```
public static int[] solve(int[] arr){
int n = arr.length;
stack<Integer> st = new Stack<>();
st.push(0);
 / int res[] = new int[n];
[res[0] = 1) \rightarrow Shork Spen 9
  for(int idx = 1; idx < n; idx++){
  while(st.size() > 0 && arr[idx] >= arr[st.peek(
       st.pop();
   if(st.size() == 0){
       res[idx] = [idx - (-1)]
   }else{
       res[idx] = idx - st.peek(
   st.push(idx);
  return res;
```

