

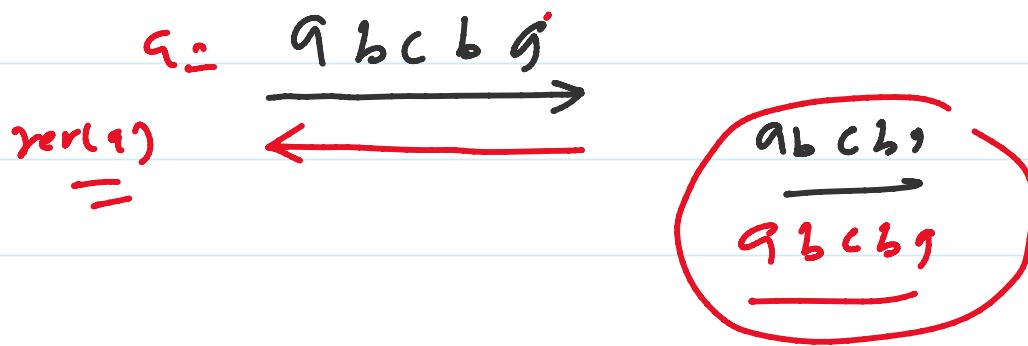
17/09/2022

17 September 2022 19:00

input data : a 

output data : Check whether a is
Palindrome or not

What is Palindrome



```
function (str) {  
    let rev-str = rev(str);  
    if (rev-str == str) {  
        console.log(" palindrome");  
    } else {  
        console.log(" not palindrome");  
    }  
}
```

$str =$ 

$\hookrightarrow \{$

str = []

my

function rev(str) {

let ret = " ";

for (i = str.length - 1; i > 0 ? i--) {

ret.push(str[i]) // ret = ret + str[i]

}

return ret;

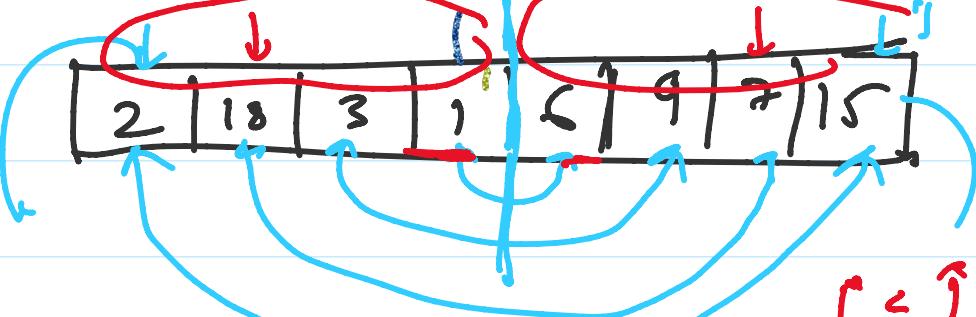
}

a =



s

b =



r < j

①

i = 0

j = n-1

swap(b[i], b[j]);

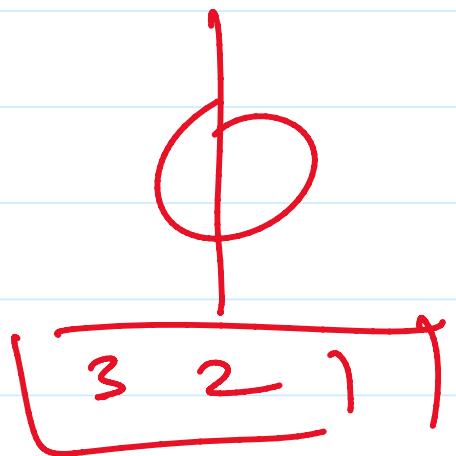
②

(= 1

j = n-2

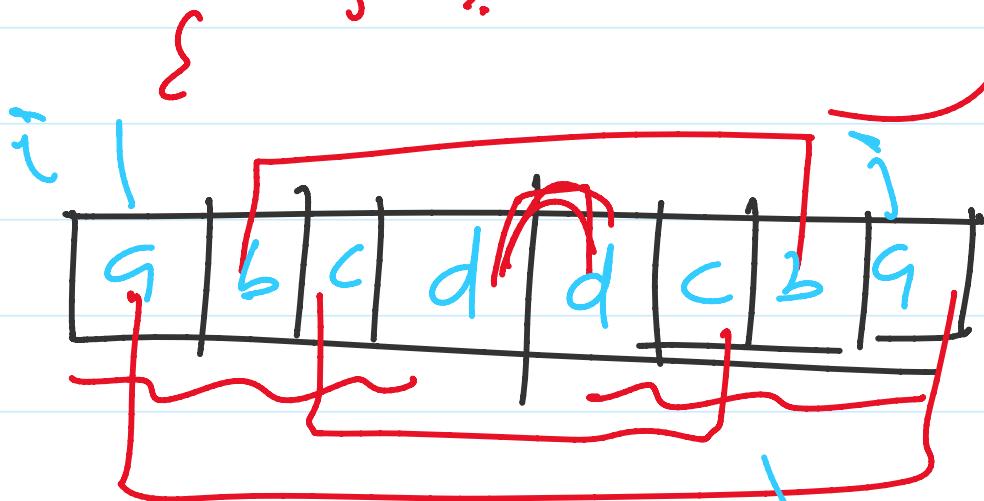
swap(b[i], b[j]);

- 2



```

let i=0, j=n-1;
while( i < j ) {
    swap( a[i], a[j] );
    i++;
    j--;
}
  
```



```

function solve(q) {
    let i=0, j=n-1;
    while( i < j ) {
        if( arr[i] > q[j] )
            swap( arr[i], arr[j] );
        i++;
        j--;
    }
}
  
```

```

    if (arr[i] != arr[j])
        return false;
    i++
    j--
}

return true
}

```

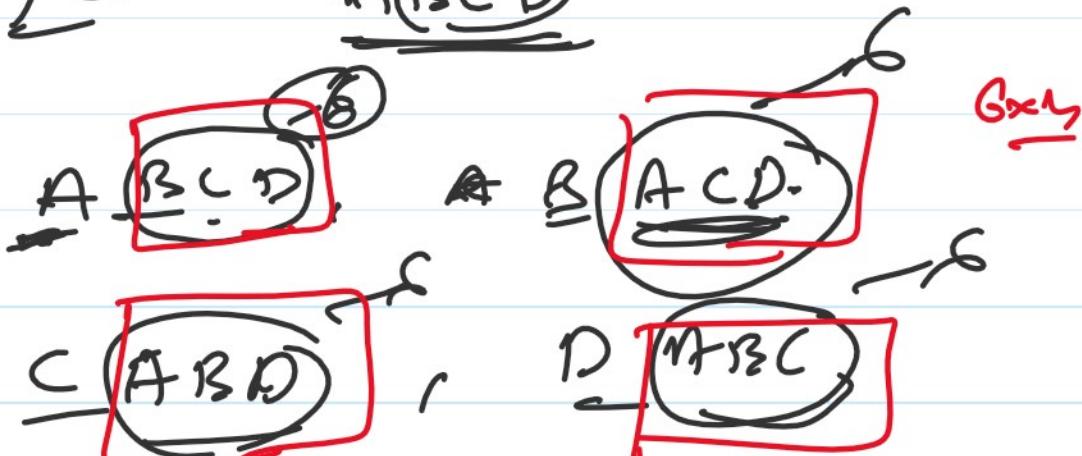
Eg 1

A B C

[A B C, A C B, B A C, B C A,
 C A B, C B A]
 => 6

Eg 2

A B C D



=> 24

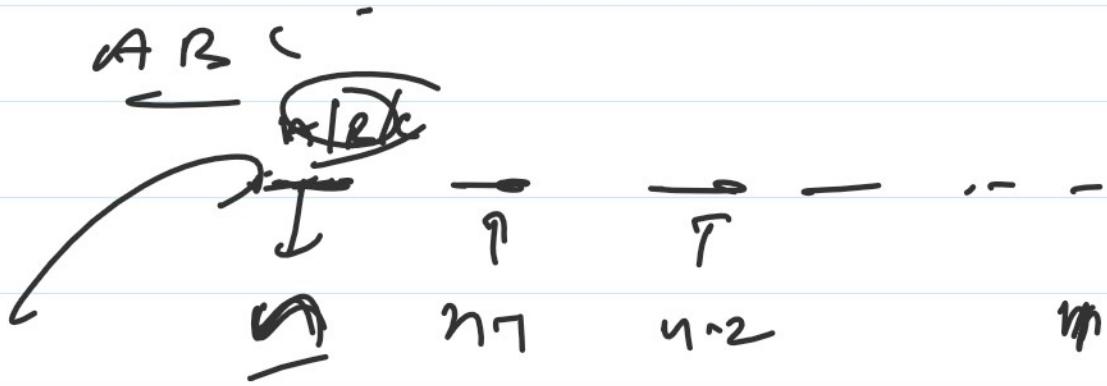
24

A B C D \neq =>

A B C D \ominus $\ominus \Rightarrow$

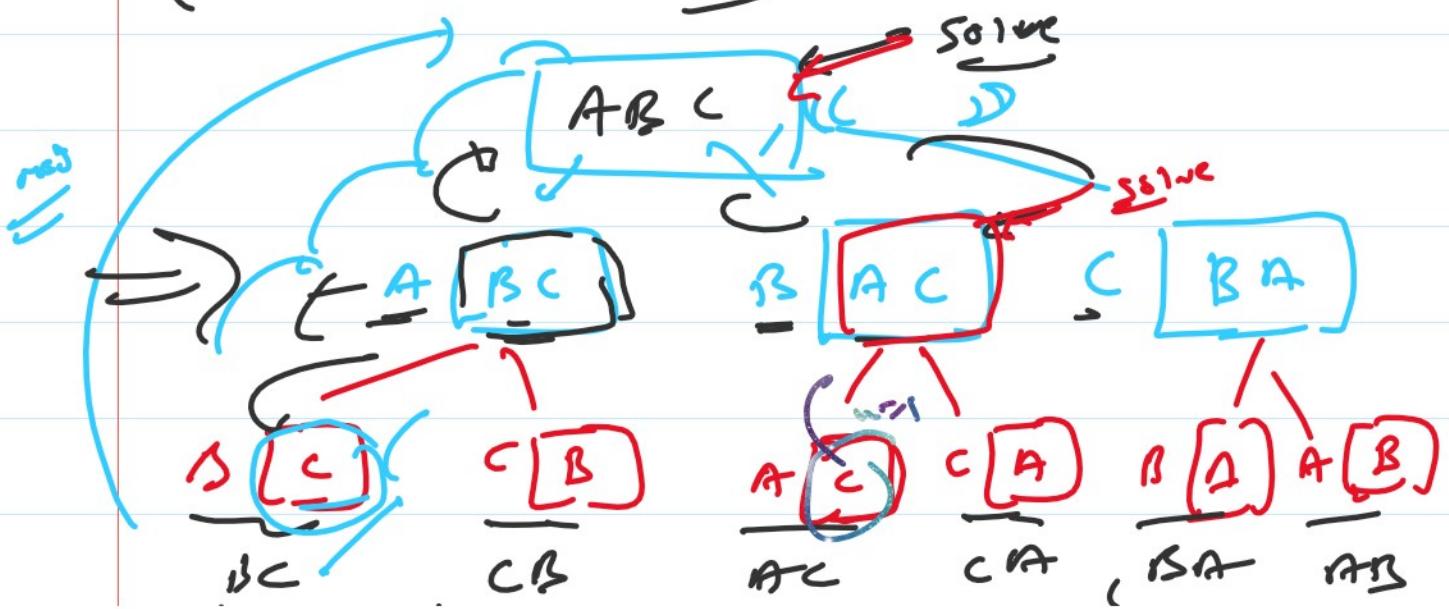
24:

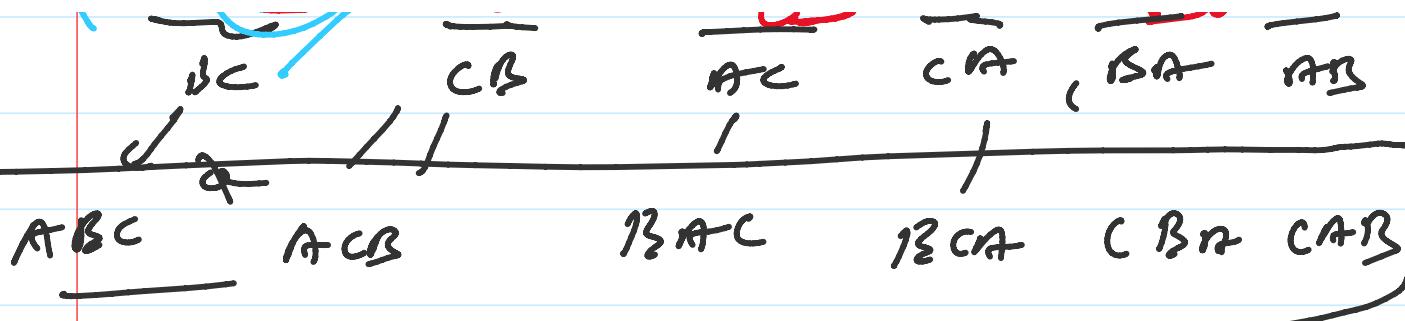
24x5



$$\frac{n x n_1 + n_2 + \dots}{}$$

A B C D (-1) $\Rightarrow 5^{\text{th}}$ = 120





$n = \text{a.length}$:

function solve(a) {

(// returns array of permutations)

let ans = [];

if ($n == 1$) {

ans.push(a);

return ans;

}

for (let i=0; i<n; i++) {

let tmp = solve(a-a[i])

[BC, CA]

for (let j=0; j < tmp.length; j++)

ans.push(a[i] + tmp[j]);

}

[ABC, ACB]

return ans;

return ans;

{

$\neg A \vee B \vee C$

$B \wedge C$

$A \wedge C$

$A \wedge B$

if $i \neq i$