

1) Start

2) $i=0$, $j=0$, $k=0$, $status = 0$

3) Get k from user

4) While $i < n$

$j = i + 1$

While $j < n$

If ($Array[i] + Array[j] == k$) then

Print("true")

$status = 1$

$j = n + 1$

$i = n + 1$

Endif

$j = j + 1$

$i = i + 1$

5) if ($status == 0$) then

Print("false")

Endif

6) End

```
int checkSum( int Array[] , int n , int k){  
    int status = 0;  
    for ( int i = 0 ; i < n ; i++){  
        for ( int j = i + 1 ; j < n ; j++){  
            if ( Array[i] + Array[j] == k ){  
                status = 1 ;  
                i = n + 1;  
                break;  
            }  
        }  
    }  
    return status ;  
}
```

```
#include <stdlib.h>

int CalculatePointOfCell(int field[8][8] , int i , int j){

    int point = 0 ;

    for (int x = 0 ; x < 8 ; x++ ){

        for (int y = 0 ; y < 8 ; y++){

            /* Using absolute function from stdlib library. */

            if ( ( abs(i-x) <= 1 ) && ( abs(j-y) <= 1 ) ) {

                point += field[x][y] ;

            }

        }

    }

    return point;

}
```

```
#include <stdio.h>
#define rows 4
#define columns 3

void RotateTable (int Table[rows][columns] , int rotateUp ,
int rotateLeft) {

    int new_table[rows][columns];
    int result_table[rows][columns];
    int i,j;

    /* Rotating Up */

    for ( i = 0 ; i < rows ; i++){

        for ( j = 0 ; j < columns ; j++){

            if ( i - rotateUp < 0){

                new_table[i+4-rotateUp][j] = Table[i][j] ;
            }
            else{

                new_table[i-rotateUp][j] = Table[i][j] ;
            }
        }
    }

    // be continuing in the next page
```

```

/* Rotating Left */

for ( j = 0 ; j < columns ; j++){
    for ( i = 0 ; i < rows ; i++){
        if ( j - rotateLeft < 0 ){
            result_table[i][j+3-rotateLeft] = new_table[i][j] ;
        }
        else{
            result_table[i][j-rotateLeft] = new_table[i][j] ;
        }
    }
}

/* Printing the result */
for ( i = 0 ; i<rows ; i++){
    for ( j = 0 ; j<columns ; j++){
        printf("%d\t",result_table[i][j]);
    }
    printf("\n");
}
}

```

1) Start

2) $i = 1$, $j = 0$, $Max_num = 0$, $Repeats = 0$

3) Get $Array[n]$ from user

4) $Max_num = Array[0]$

5) While $i < n$

If ($Array[i] > Max_num$) then

$Max_num = Array[i]$

Endif

$i = i + 1$

6) While $j < n$

If ($Array[j] == Max_num$) then

$Repeats = Repeats + 1$

Endif

$j = j + 1$

7) print ($Repeats$)

8) End



1) Start

2) L = 0 , count = 0 , val = 0

3) Get str from user

4) CalculateValue(str) : *// This is a function.*

L = length_of_str_without_counting_null

If (L == 2) then

return 1

Elseif (str[0] == '(' and str[L-1] == ')') then

count = 0 , i = 1

while (i <= L - 2)

if (str[i] == '(') then

count ++

Endif

i = i + 1

Endwhile

return (2 to the power of count)