

Code:

```
#include <bits/stdc++.h>
using namespace std;

int ctr = 0;

void printArray(int arr[], int n) {
    for (int i = 0; i < n; i++) {
        cout << arr[i] << " ";
    }
    cout << endl;
}

void sumOfSubset(int set[], int subset[], int n, int m, int sum, int i) {

    if (i == n) {
        if (sum == m) {
            printArray(subset, n);
        }
        return;
    }

    subset[i] = 0;
    sumOfSubset(set, subset, n, m, sum, i + 1);
    subset[i] = set[i];
    sumOfSubset(set, subset, n, m, sum + set[i], i + 1);

    ctr++;
}

int main() {

    int n, m;
    cout << "\nEnter the no of elements: ";
    cin >> n;

    int set[n], subset[n];

    cout << "\nEnter the elements: " << endl;
    for (int i = 0; i < n; i++) {
        cin >> set[i];
    }

    cout << "\nEnter the value of M: ";
    cin >> m;

    sumOfSubset(set, subset, n, m, 0, 0);
```

```
    cout<<"\nNo of calls to procedure: "<<ctr;  
}
```

Sample Output:

Enter the text: ABABABCABB

Enter the pattern: ABB

Pattern found at index 7