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1.Code

```
#include <stdio.h>
```

```
#include <stdlib.h>
```

```
struct Node {  
    char* alphabet;  
    struct Node* link;  
};
```

```
int main() {  
    // Deklarasi node-node  
    struct Node l1, l2, l3, l4, l5, l6, l7, l8, l9;  
    struct Node *link, *l3ptr;  
  
    // Inisialisasi node-node dengan menggunakan potongan kode soal  
    l1.link = NULL;  
    l1.alphabet = "F";  
  
    l2.link = NULL;  
    l2.alphabet = "M";  
  
    l3.link = NULL;  
    l3.alphabet = "A";  
  
    l4.link = NULL;  
    l4.alphabet = "I";  
  
    l5.link = NULL;
```

```
l5.alphabet = "K";
```

```
l6.link = NULL;
```

```
l6.alphabet = "T";
```

```
l7.link = NULL;
```

```
l7.alphabet = "N";
```

```
l8.link = NULL;
```

```
l8.alphabet = "O";
```

```
l9.link = NULL;
```

```
l9.alphabet = "R";
```

```
// Mengatur koneksi antar node sesuai dengan urutan yang diinginkan
```

```
l7.link = &l1; // Menyambungkan ke l1
```

```
l1.link = &l8; // Menyambungkan ke l1
```

```
l8.link = &l2; // Menyambungkan ke l1
```

```
l2.link = &l5; // Menyambungkan ke l1
```

```
l5.link = &l3; // Menyambungkan ke l1
```

```
l3.link = &l6; // Menyambungkan ke l1
```

```
l6.link = &l9;
```

```
l9.link = &l4;
```

```
l4.link = &l7;
```

```
// Starting point
```

```
l3ptr = &l7;
```

```
// Akses data menggunakan printf
```

```
printf("%s", l3.link->link->link->alphabet); // Menampilkan huruf I
```

```

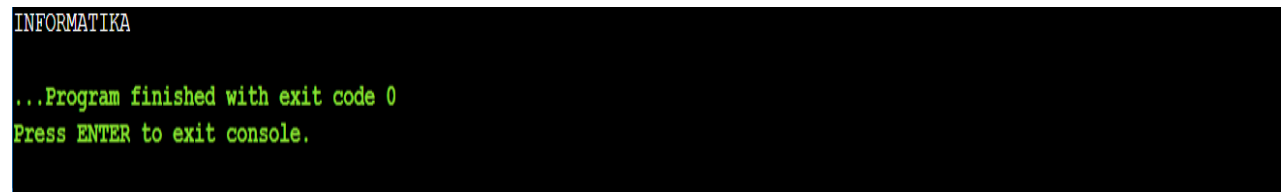
printf("%s", l3.link->link->link->link->alphabet);// Menampilkan huruf N
printf("%s", l3.link->link->link->link->link->alphabet);// Menampilkan huruf F
printf("%s", l3.link->link->link->link->link->link->alphabet);// Menampilkan huruf O
printf("%s", l3.link->link->alphabet);// Menampilkan huruf R
printf("%s", l3.link->link->link->link->link->link->link->alphabet);// Menampilkan huruf
M
printf("%s", l3.alphabet);// Menampilkan huruf A
printf("%s", l3.link->alphabet);// Menampilkan huruf T
printf("%s", l3.link->link->link->alphabet);// Menampilkan huruf I
printf("%s", l3.link->link->link->link->link->link->link->link->alphabet);// Menampilkan
huruf K

printf("%s", l3.alphabet);// Menampilkan huruf A

return 0;
}

```

Output:



```

INFORMATIKA
...Program finished with exit code 0
Press ENTER to exit console.

```

2.Code

```
#include <stdio.h>
```

```

int twoStacks(int maxSum, int a[], int n, int b[], int m) {
    int sum = 0, count = 0, temp = 0, i = 0, j = 0;

    while (i < n && sum + a[i] <= maxSum) {
        sum += a[i++];
    }
}

```

```

count = i;

while (j < m && i >= 0) {
    sum += b[j++];
    while (sum > maxSum && i > 0) {
        sum -= a[--i];
    }
    if (sum <= maxSum && i + j > count) {
        count = i + j;
    }
}

return count;
}

int main() {
    int g;
    scanf("%d", &g);
    while (g--) {
        int n, m, maxSum;
        scanf("%d%d%d", &n, &m, &maxSum);
        int a[n], b[m];
        for (int i = 0; i < n; i++) {
            scanf("%d", &a[i]);
        }
        for (int i = 0; i < m; i++) {
            scanf("%d", &b[i]);
        }

        printf("%d\n", twoStacks(maxSum, a, n, b, m));
    }

    return 0;
}

```

}

Output:

Congratulations

You solved this challenge. Would you like to challenge your friends? [f](#) [t](#) [in](#)

[Next Challenge](#)

✔ **Test case 0**

✔ Test case 1

✔ Test case 2

✔ Test case 3

✔ Test case 4

✔ Test case 5

✔ Test case 6

Compiler Message

Success

Input (stdin) [Download](#)

1	1
2	5 4 10
3	4 2 4 6 1
4	2 1 8 5

Expected Output [Download](#)

1	4
---	---