

```
#include <stdio.h>

int main(){
    int n;
    scanf("%d", &n);
    int arr[20], i, k = 0, reachedEnd = 0, illegal = 0;

    for(i = 0; i < n; i++)
        scanf("%d", &arr[i]);

    for(i = 0; i <= n; i++){
        if(k == n-1){ // Reached the end - yaay!
            reachedEnd = 1;
            break;
        }
        if(k < 0 || k >= n){ // Cannot jump outside the array
            illegal = 1;
            break;
        }
        else // Jump to the directed location
            k = arr[k];
    }

    if(reachedEnd)
        printf("EXIT %d", i+1);
    else if(illegal)
        printf("BAD %d", k);
    else printf("TRAP");

    return 0;
}
```