

```
#include <stdio.h>

int verify(int *ages, int curr, int len){
    if(curr >= len)
        return 0;
    int violations = 0;

    // Is my mother present in the list?
    if(2*curr + 1 < len){
        violations += (ages[curr] >= ages[2*curr + 1]);
        // Any violations with respect to my mother?
        violations += verify(ages, 2*curr + 1, len);
    }

    // Is my father present in the list?
    if(2*curr + 2 < len){
        violations += (ages[curr] >= ages[2*curr + 2]);
        // Any violations with respect to my father?
        violations += verify(ages, 2*curr + 2, len);
    }
    return violations;
}

int main(){
    int n, i;
    scanf("%d", &n);
    int ages[n];
    for(i = 0; i < n; i++)
        scanf("%d", &ages[i]);
    int violations = verify(ages, 0, n);

    if(violations == 0)
        printf("VALID");
    else
        printf("INVALID %d", violations);
}
```