#include <iostream>

using namespace std;

pair<bool, int> linearSearch(int arr[], int n, int key) {

int comparisons = 0;

for (int i = 0; i < n; ++i) {

comparisons++;

if (arr[i] == key) {

return make\_pair(true, comparisons);

}

}

return make\_pair(false, comparisons);

}

int main() {

int t;

cin >> t;

while (t--) {

int n;

cin >> n;

int arr[n];

for (int i = 0; i < n; ++i) {

cin >> arr[i];

}

int key;

cin >> key;

pair<bool, int> result = linearSearch(arr, n, key);

if (result.first) {

cout << "Element found in the array.\n";

} else {

cout << "Element not found in the array.\n";

}

cout << "Total number of comparisons: " << result.second << endl;

}

return 0;

}