// C++ program to find Temple Land

#include <bits/stdc++.h>

using namespace std;

int main()

{

//Initializing variables and their

//values

int t;

cin >> t;

//Entry controlLoop

while (t--)

{

int n, b = 0;

cin >> n;

int a[n];

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

{

cin >> a[i];

}

//If Else statement

if (n % 2 == 0)

{

cout << "no" << endl;

}

else if (a[0] != 1)

{

cout << "no" << endl;

}

else

{

for (int i = 0; i < n / 2; i++)

{

if (a[i] == a[n - 1 - i]&& a[i]+1==a[i+1])

b++;

}

//If Else statement

if ((n / 2) == b)

cout << "yes" << endl;

else

cout << "no" << endl;

}

}

//Returning value

return 0;

}