

```

1  #include <iostream>
2
3  using namespace std;
4
5  int main()
6  {
7      int T;
8      cin >> T;
9      int noChange = T;
10     int N;
11     int num = 1;
12     string ans[T];
13     for(int i = 1; i <= noChange; i++)
14     {
15         cin >> N;
16         int car[N];
17         int maxLast=N;
18         bool canCandy = true;
19         for(int j = 1; j <= N ; j++)
20         {
21             cin >> car [j];
22         }
23         for(int j = 1; j <= N ; j++)
24         {
25             if(car[j]==num)
26             {
27                 car[j] = 0;
28                 num ++;
29                 if(num == N +1)
30                 {
31                     j = N+1;
32                 }
33             }
34         }
35         for (int j = N; j >= 1; j--)
36         {
37             if(car[j]!= 0 && car[j]<=maxLast)
38             {
39                 maxLast = car[j];
40             }
41             else if(car[j]!=0)
42             {
43                 ans[i] = "N";
44                 j = 0;
45                 canCandy = false;
46             }
47         }
48         if(canCandy)
49         {
50             ans[i] = "Y";
51         }
52     }
53     for(int i = 1; i <= T; i++)
54     {
55         cout << ans[i]<< endl;
56     }
57     return 0;
58 }

```