#include <bits/stdc++.h>

using namespace std;

int search(int l, int a[], int n, int r)

{

if (r >= l)

{

int mid = l + (r - l) / 2;

if (a[mid] > a[mid + 1] and a[mid] > a[mid - 1])

{

return mid;

}

if (a[mid] > a[mid + 1])

{

r = mid;

return search(l, a, n, r);

}

if (a[mid] < a[mid + 1])

{

l = mid;

return search(l, a, n, r);

}

}

return -1;

}

int main()

{

ios\_base::sync\_with\_stdio(0);

cin.tie(0);

cout.tie(0);

int n;

cin >> n;

int a[n];

for (int i = 1; i <= n; i++)

{

cin >> a[i];

}

cout << search(1, a, n, n) << endl;

return 0;

}