Search in an almost sorted array

在排序数组中查找指定值（数组中某些元素与相邻元素进行了交换）

```cpp
#include <bits/stdc++.h>

using namespace std;

int findEle(vector<int> &arr, int &key, int &N) {
  int left = 0, right = N - 1;
  while (left <= right) {
    int mid = left + (right - left) / 2;
    if (arr[mid] == key)
      return mid;
    else if (mid > left && arr[mid - 1] == key)
      return mid - 1;
    else if (mid < right && arr[mid + 1] == key)
      return mid + 1;
    else if (arr[mid] > key) {
      left = mid + 1;
    } else
      right = mid - 1;
  }
  return -1;
}

int main() {
  vector<int> arr = {10, 3, 40, 20, 50, 80, 70};
  int N = 7, key = 40;
  printf("%d\n", findEle(arr, key, N));
  return 0;
}
```