```cpp
#include <iostream>
using namespace std;

template<class T> int partition(T a[], int l, int r) {
	int p = l;
	int i = l + 1;
	for (int j = l + 1; j <= r; j++)
		if (a[j] < a[p]) {
			swap(a[j], a[i]);
			i++;
		}
	swap(a[p], a[i - 1]);
	return i - 1;
}
int main(int argc, char **argv) {
	int n = 7;
	int a[n] = { 12, 39, 43, 37, 10, 11, 88 };
	partition(a, 0, n);
	for (int i = 0; i < n; i++) printf("%d ", a[i]);
}
```

Πίνακας	i	j	A[j]<pivot	swaps
0 1 2 3 4 5 6 12 39 43 37 10 11 88	1	1	39<12 (False)	
12 39 43 37 10 11 88	1	2	43<12 (False)	
12 39 43 37 10 11 88	1	3	37<12 (False)	
12 39 43 37 10 11 88	1	4	10<12 (True)	swap(a[1], a[4])
12 10 43 37 39 11 88	2	5	2<12 (True)	swap(a[2], a[5])
12 10 11 37 39 43 88	3	6	88<12 (False)	
12 10 11 37 39 43 88	3	7		swap(a[0], a[2])
11 10 12 37 39 43 88				