

Question 5 [12 marks]:

The following is a sequence of six numbers:

0	1	2	3	4	5
14	71	52	25	36	17

Use Insertion Sort to sort the seven numbers in the sequence into **ascending** order. Show the result of each step by showing the whole sequence in a new line with sorted numbers underlined.

	0	1	2	3	4	5
	14	71	52	25	36	17
Step 1	14	71	52	25	36	17
Step 2	14	52	71	25	36	17
Step 3	14	25	52	71	36	17
Step 4	14	25	36	52	71	17
Step 5	14	17	25	36	52	71
Step 6	14	17	25	36	52	71
Final Result	14	17	25	36	52	71