

- You are given a permutation of the numbers 1 to $n \leq 1000$ that you need to sort.
- In a single step, you can take three consecutive numbers out of the sequence and re-insert them somewhere else.
- Output a sequence of up to 5000 steps that sorts the sequence.

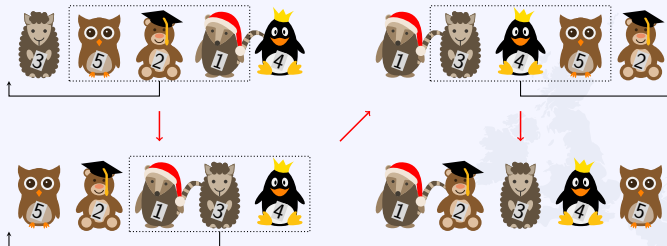


Illustration of Sample Output 1.