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CSE221

Section : 2b

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~~Task~~ Task 1(a):

In this code `inp.readline()` function is used to read every line of the code. The 1st line contains the number of integers and in the iteration `readline()` is converted to integer to see odd or even modding by two.

Task 1(b):

Firstly, `readline` function determines the number of input; then in the loop we splitted the necessary strings to work it with and then by assigning the necessary digit in the condition we determine the result.

Task 2:

As we are using bubble sorting; to avoid ~~unnecessary~~ unnecessary checks we took a flag to check if it is sorted or not. So; the best time complexity

We attain here in $O(n)$

Task 3

To conduct minimum swapping operation we had to use selection sorting here. then in the condition we did comparisons as per the question to sort the answer.

Task 4:

We have used bubble sorting in this question algorithm because it will give the priority to the inputs which come first and in the sorting I filled with necessary comparisons as per the question said to sort: lexicographically.