**Problem 6:** There is **one** meeting room in a firm. You are given two arrays, start and end each of size N.For an index 'i', start[i] denotes the startingtime of the ith meeting while end[i] will denote the ending time of the ith meeting. Find the maximum number of meetings that can be accommodated if only one meeting can happen in the room at a particular time. Print the order inwhich these meetings will be performed.

```
def max_meetings(N, start, end):
    meetings = [(start[i], end[i], i+1) for i in range(N)]
    meetings.sort(key=lambda x: (x[1], x[0]))

    selected_meetings = []
    previous_end = 0
    for meeting in meetings:
        start_time, end_time, index = meeting
        if start_time > previous_end:
            selected_meetings.append(index)
            previous_end = end_time

    return selected_meetings
N = 6
start = [1, 3, 0, 5, 8, 5]
end = [2, 4, 5, 7, 9, 9]
result = max_meetings(N, start, end)
print(' '.join(map(str, result)))
```