**[16 ,21 ,11 ,8 ,12 ,22] --> n**

**[16 ,21 ,11] [8 ,12 ,22]**

**[16,21] [11] [8] [12,22] --> n**

**[16] [21] [ 11] [8] [12] [22] --> n**

**[16 ,21] [ 8,11] [12,22] --> n**

**[ 8 ,11, 12, 16, 21, 22] --> n**

**O(nlogn)**