**AN ELEVATOR**

CASE\_8:

Consider there is an Elevator of the world’s tallest tower Burj Khalifa in the world with 147 floors excluding the ground floor.

Imagine now, the Elevator is currently at 74 or at the mid of the tower. Now a person from the ground floor and a person from the top floor want to go to the floor no. 110 and no. 36 respectively. But lift can give only one preference at a time. Since it is located at the equal position where the lift will go first when both persons are pressing (call) and how it will predict the way to starts with.

Test Case \_1: P1 (at 0th) wants to go 36 and P2 (at 147th) wants to go 110

Test Case \_2: P1 (at 73rd) wants to go 36 and P2 (at 85th) wants to go 36

Test Case \_3: P1 (at 25th) wants to go 19 and P2 (at 15th) wants to go 20

Test Case \_4: P1 (at 74th) wants to go 0 and P2

(at 74th) wants to go 123

INPUT FORMAT:

PREVIOUS PERSON: (Anonymous)

Where you want to go: 74

From which position:

Choose 1: for Ground Floor (0th)

Choose 2: for Top Floor (147th)

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Lift goes towards upward motion **(vice versa)**

Test Case 1:

Person\_1:

Source - 0th Floor

Destination - 36

Person\_2:

Source - 147

Destination - 36 **(For the remaining also)**

OUTPUT FORMAT:

TC\_1:

Lift picks Person\_1 at 0th F and drops him at 36th F

Then picks Person\_2 at 147th F and drops at 110th F

Lifts current position is: 110th Floor

So on…….