



## Residential Scenarios

### **Scenario 1:**

- Elevator A is Idle at floor 2
- Elevator B is Idle at floor 6

Someone is on floor 3 and wants to go to the 7th floor.

Elevator A is expected to be sent.

### **Scenario 2:**

- Elevator A is Idle at floor 10
- Elevator B is idle at floor 3

Someone is on the 1st floor and requests the 6th floor.

Elevator B should be sent.

2 minutes later, someone else is on the 3rd floor and requests the 5th floor.

Elevator B should be sent.

Finally, a third person is at floor 9 and wants to go down to the 2nd floor.

Elevator A should be sent.

### **Scenario 3:**

- Elevator A is Idle at floor 10
- Elevator B is Moving from floor 3 to floor 6

Someone is on floor 3 and requests the 2nd floor.

Elevator A should be sent.

5 minutes later, someone else is on the 10th floor and wants to go to the 3rd.

Elevator B should be sent.

# Corporate Scenarios

## **Floors deserved:**

- Column A: B6 to B1 + Lobby
- Column B: 2 to 20 + Lobby
- Column C: 21 to 40 + Lobby
- Column D: 41 to 60 + Lobby

## **Scenario 1:**

- Elevator B1 at 20th floor going to the 5th floor
- Elevator B2 at 3rd floor going to the 15th floor
- Elevator B3 at 13th floor going to Lobby
- Elevator B4 at 15th floor going to the 2nd floor
- Elevator B5 at 6th floor going to Lobby

Someone at Lobby wants to go to the 20th floor.

Elevator B5 is expected to be sent.

## **Scenario 2:**

- Elevator C1 at Lobby going to the 21st floor
- Elevator C2 at 23rd floor going to the 28th floor
- Elevator C3 at 33rd floor going to Lobby
- Elevator C4 at 40th floor going to the 24th floor
- Elevator C5 at 39th floor going to Lobby

Someone at Lobby wants to go to the 36th floor.

Elevator C1 is expected to be sent.

## **Scenario 3:**

- Elevator D1 at 58th going to Lobby
- Elevator D2 at 50th floor going to the 60th floor
- Elevator D3 at 46th floor going to the 58th floor
- Elevator D4 at Lobby going to the 54th floor
- Elevator D5 at 60th floor going to Lobby

Someone at 54e floor wants to go to Lobby.  
Elevator D1 is expected to be sent.

**Scenario 4:**

- Elevator A1 “Idle” at SS4
- Elevator A2 “Idle” at Lobby
- Elevator A3 at SS3 going to SS5
- Elevator A4 at SS6 going to Lobby
- Elevator A5 at SS1 going to SS6

Someone at SS3 wants to go to Lobby.  
Elevator A4 is expected to be sent.