Quiz 7 – Understanding Comparative Operations in TIA
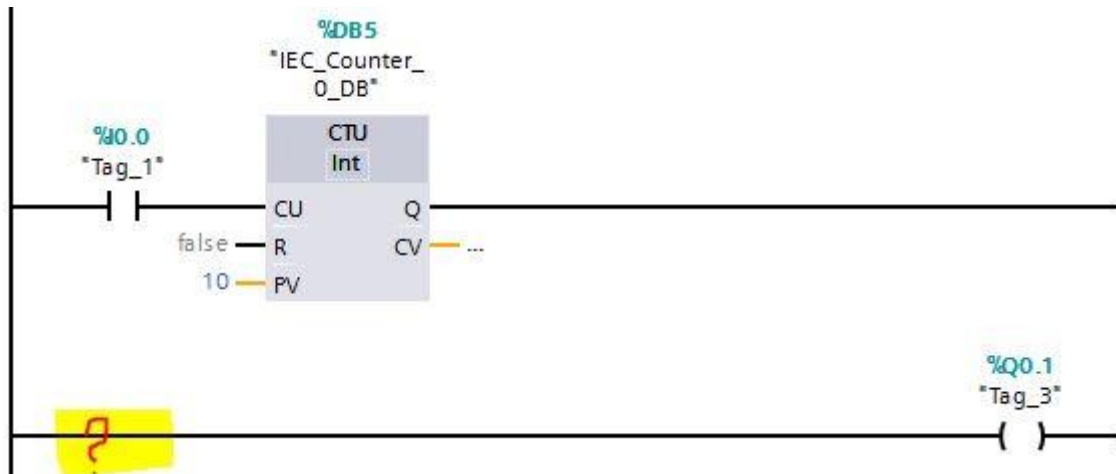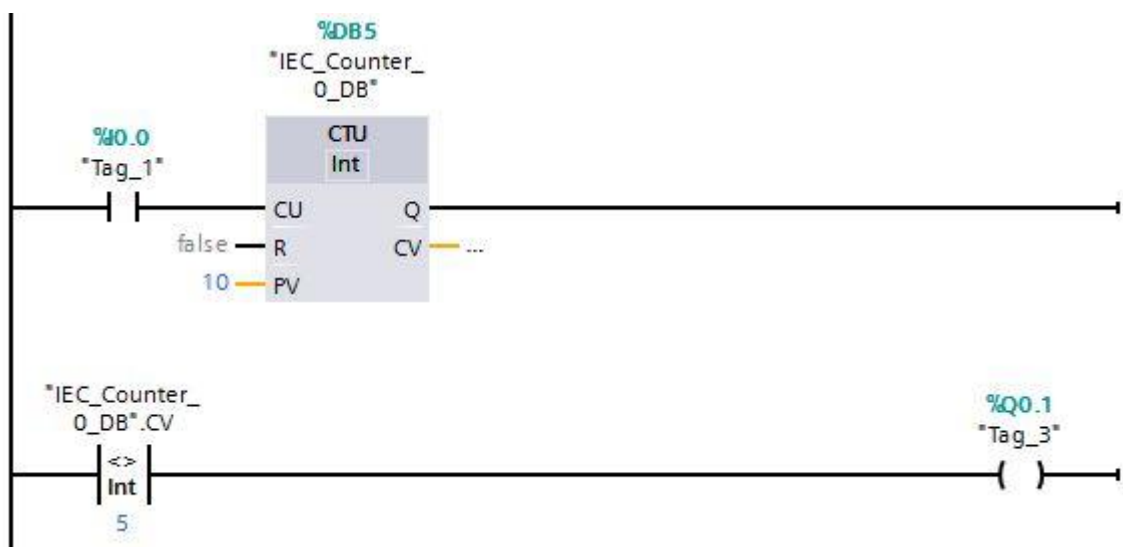
1. Which of the following comparative operator(s) we can use to energize **Q0.1 when PV is between 4 and 8?**

- 'Greater than' and 'Less than' connected in series
- 'Greater than or equivalent' and 'Less than or equivalent' connected in series
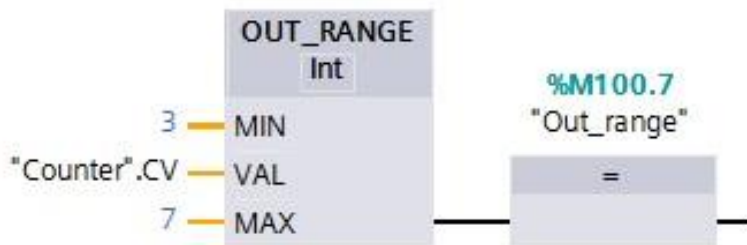- In_range
- **All of the above**
- None of the above

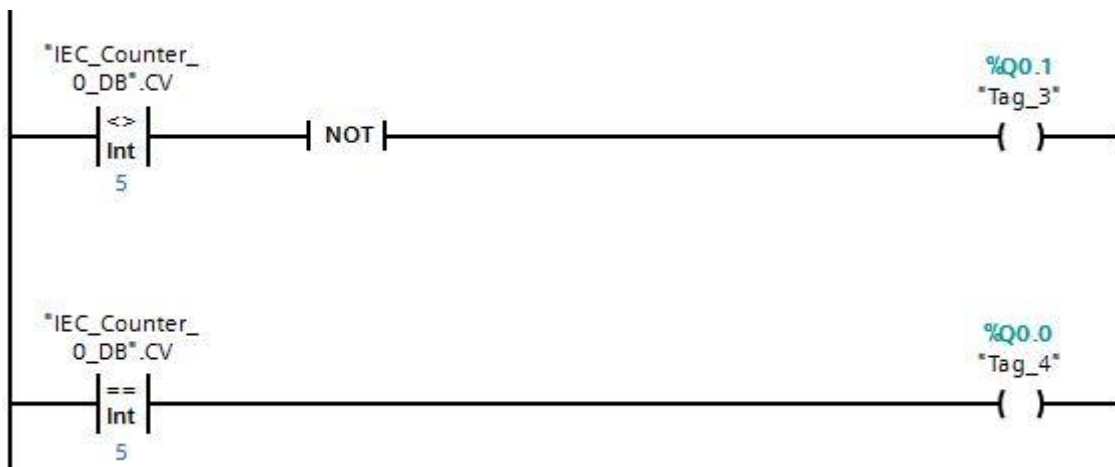2. Corresponding to CV when the Q0.1 will be TRUE?

- When CV < 5

- When CV > 5
- When CV <> 5
- **All of the above**
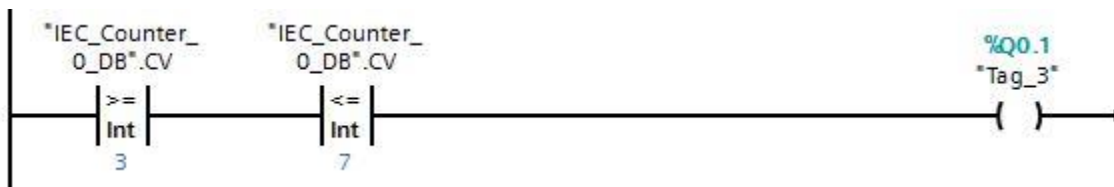
3. In the below FBD the **M100.7 will be ON** if:

- When VAL is between 3 and 7
- **When VAL < 3 or VAL > 7**
- When VAL <= 3 or >= 7

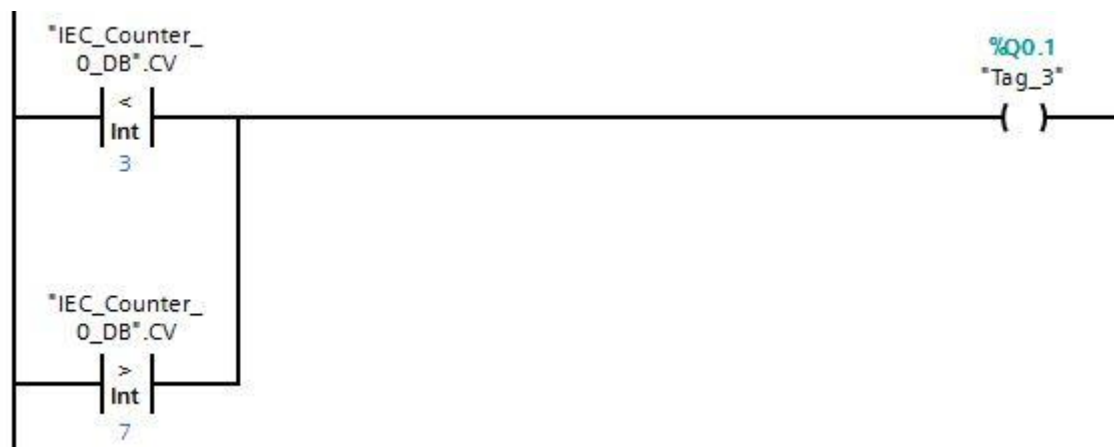4. Is it **true** that both the **outputs Q0.1 and Q0.0** will be **ON** when **CV = 5?**

- **Yes**
- No

5. The below **series combination logic** represents which **Comparator operator?**

- **In_range**
- Out_range

6. The below **parallel combination logic** represents which **comparative operator**?

- In_range
- **Out_range**