Double-Not Arrow Summary

Both variables are positive in the diagram:

Statement: If A is selected, then B is not selected.

Diagram: A $\longrightarrow$ B̸

Super Diagram: A $\longleftarrow\!\!\!\mid\!\longrightarrow$ B

Impossible:

1. Both A and B are selected.   (A and B)

Possible:

1. A is selected and B is not selected. (A and B̸)

2. A is not selected and B is selected. (A̸ and B)

3. Both A and B are not selected.   (A̸ and B̸)

Both variables are negative in the diagram:

Statement: If A is not selected, then B is selected.

Diagram: A̸ $\longrightarrow$ B

Diagram: A̸ $\longleftarrow\!\!\!\mid\!\longrightarrow$ B̸

Impossible:

1. Both A and B are not selected.   (A̸ and B̸)

Possible:

1. A is selected and B is not selected. (A and B̸)

2. A is not selected and B is selected. (A̸ and B)

3. Both A and B are selected.   (A and B)