**DEMAND AND SUPPLY RULE OF ECONOMICS**

For example, one stock coordinators is interested in finding the possibilities of demand and supply among all situations. As we know demand and supply behaves scatter in the different situations.

If price increases then demand reduces and vice-versa. If price increase then supply improves. In the conclusion, if demand increases then supply decreases.

A: Demand goes up

B: Supply goes down

U: Suppliers are not happy

The problem has the following four statements:

1. If the demand goes up then supply does down.
2. If supply goes down, suppliers are not happy.
3. The demand goes up.
4. Suppliers are not happy.

The above mentioned statements are symbolised as:

1. A→B
2. B→U
3. A
4. U (to conclusion)

We have formed the formula according to the situation mentioned above. Please relate find out the meaning out of it:

U is only possible if (A→B) ᴧ (B→U) ᴧ A

Try to proof the given equation below for practice and interpret the conclusion

((A→B) ᴧ (B→U) ᴧ A) = ((~A→B) ᴧ (~B→U) ᴧ A)