## If you wear Orange then I will wear Maroon

Which of the following statements are equivalent to the statement above?

Let O be the statement "You wear orange." Let M be the statement "I will wear Maroon." So the original statement is  $O \rightarrow M$ ,

## 1) For me to wear maroon, it is sufficient for you wear orange.

- 2) Wearing orange is necessary for me to wear maroon
- 3) Only if I wear maroon will you wear orange.
- 4) You wearing orange means that I am wearing maroon.
- 5) If I wear maroon then you wear orange.
- 6) You must wear orange in order for me to wear maroon.
- 7) I must wear maroon in order for you wear orange.
- 8) You are not wearing orange or I am wearing maroon.
- 9) Wearing maroon myself is necessary for you to wear orange.
- 10) If I do not wear maroon, then you do not wear orange.
- 11) You are wearing orange and I am not wearing maroon.
- 12) I am wearing maroon indicates that you are wearing orange.
- 13) For you to wear orange implies that I am wearing maroon.