

Consider the following valid argument. Identify the rules of inference that show its validity.

If superman were able and willing to prevent evil, he would do so. If superman were unable to prevent evil, he would be impotent; if he were unwilling to prevent evil, he would be impotent. Superman does not prevent evil. If Superman exists, he is neither impotent nor malevolent. Therefore, Superman does not exist.

First, let us try to assign symbols to the propositions in the above argument:

Let p represent "Superman is able to prevent evil",
 q represent "Superman is willing to prevent evil",
 r represent "Superman will prevent evil",
 s represent "Superman is impotent",
 t represent "Superman is malevolent",
 u represent "Superman exists"