

- Problem 3
Problem Here
- Problem 4
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- A.
Superman defeated = S
Facing Opponent Alone = A
Opponent carrying Kryptonite = K
Batman coordinates w/ Lex Luther = B
Wonder Woman Upset = W

- B.

$$\neg S \iff ((\neg A \wedge K) \wedge (B \wedge W))$$

$$\neg S \rightarrow (\neg A \wedge K) \wedge (B \wedge W) \wedge (\neg A \wedge K) \wedge (B \wedge W) \rightarrow \neg S$$

$$(S \vee (\neg A \wedge K) \wedge (B \wedge W)) \wedge (\neg((\neg A \wedge K) \wedge (B \wedge W)) \vee S)$$

- C.