Assignment Week 12

Philosophy 305

Due April 9, 2021

Which of the following are theorems of K?

1. $(\Box A \lor \Box B) \to \Box(A \lor B)$

2. $(\Box A \land \Diamond B) \to \Diamond(A \land B)$

3. $\Box(A \land \Diamond B) \to \Diamond(A \land B)$

4. $(\Box A \to \Box B) \to (\Diamond A \to \Diamond B)$

5. $\Box(A \to B) \to (\Diamond A \to \Diamond B)$