Assignment Week 2

Philosophy 305

Due January 14, 2022, 5pm

Truth Tables

Using http://carnap.io, build truth tables for the following sentences.

1. $P \rightarrow P$
2. $Q \rightarrow \neg Q$
3. $(P \rightarrow R) \vee (R \rightarrow P)$
4. $(P \wedge R) \rightarrow (R \rightarrow P)$
5. $\neg((P \wedge Q) \vee (P \vee Q))$
6. $(Q \rightarrow (R \vee P)) \wedge \neg Q$
7. $(P \wedge \neg P) \rightarrow R$
8. $\neg\neg(\neg P \wedge \neg R)$
9. $((P \wedge R) \rightarrow Q) \rightarrow \neg(P \vee R)$
10. $((P \rightarrow R) \rightarrow Q) \rightarrow (P \rightarrow (R \rightarrow Q))$