PSI

Problem 1.

"Sources Consulted: None"

a) zyBook 1.1.2 d) 7m e) + Nn f) 7+ zyBook 1.21 c) T d) T e) F

b) zyBook 1.2.3 d) F e) F f) F zyBook 1.2.8 b) P=T, 9=F P Q-P -P \(P \A \) P \(\frac{1}{2} \) P \(\frac

C) zy Book 1.3.7 c) y-P d) P↔ (s/y) e) P→(s/y)

zyBook 1.3.10 d) unknown e) unknown

4)T

Problem 2

"Sources Consulted: None"

- ((P+Q)V(Q+R)) and ((P+Q)V(P+R))+(P+(QVR))

- ((P+Q)V(Q+R)) and ((P+Q)V(P+R))+(QVR)

- ((P+Q)V(Q+R)) and ((P+Q)V(P+R))+(QVR)

- ((P+Q)V(Q+R)) and ((P+Q)V(P+R))+(QVR)

- ((P+Q)V(Q+R)) and ((P+Q)V(P+R))+(QVR)

- ((P+Q)V(Q+R)) and ((P+Q)V(P+R))

- ((P+Q)V(Q+R)) and ((P+Q)V(P+R))

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- (P+Q)V(P+R) and ((P+Q)V(P+R))

- (P+Q)V(P+R))

- (P+Q)V(P+R))

- (P+Q)V(P+R)

- (P+Q)V(P+R)

- (P+Q)V(P+R)

- (P+Q)V(P+

A` $\neg ((P \rightarrow Q) \lor (Q \rightarrow R))$ is always False $((P \rightarrow Q) \lor (P \rightarrow R)) \rightarrow (P \rightarrow (Q \lor R))$ is always True