

D:

truth table A and not((B or C) and (not(B) or not (C))) or ((not(A) and B) or (not(A) and C)) and (not (B) or not (C))

A	B	C	$(A \wedge \neg ((B \vee C) \wedge (\neg B \vee \neg C))) \vee$ $((\neg A \wedge B) \vee (\neg A \wedge C)) \wedge (\neg B \vee \neg C)$
T	T	T	T
T	T	F	F
T	F	T	F
T	F	F	T
F	T	T	F
F	T	F	T
F	F	T	T
F	F	F	F

E:

truth table not((not(A) and not (B)) or not ((not(A) or not (B)) and C)) or (A and B)

A	B	C	$\neg ((\neg A \wedge \neg B) \vee \neg ((\neg A \vee \neg B) \wedge C)) \vee (A \wedge B)$
T	T	T	T
T	T	F	T
T	F	T	T
T	F	F	F
F	T	T	T
F	T	F	F
F	F	T	F
F	F	F	F