

Can you prove or disprove the following argument?

0) E

1) $(E \Rightarrow \neg\neg((F \wedge G) \Rightarrow C))$

2) D

3) $\neg G$

4) A

$\vdash (((\neg A \Rightarrow ((F \wedge D) \vee (E \vee D))) \Rightarrow A) \wedge \neg\neg(G \Rightarrow B))$