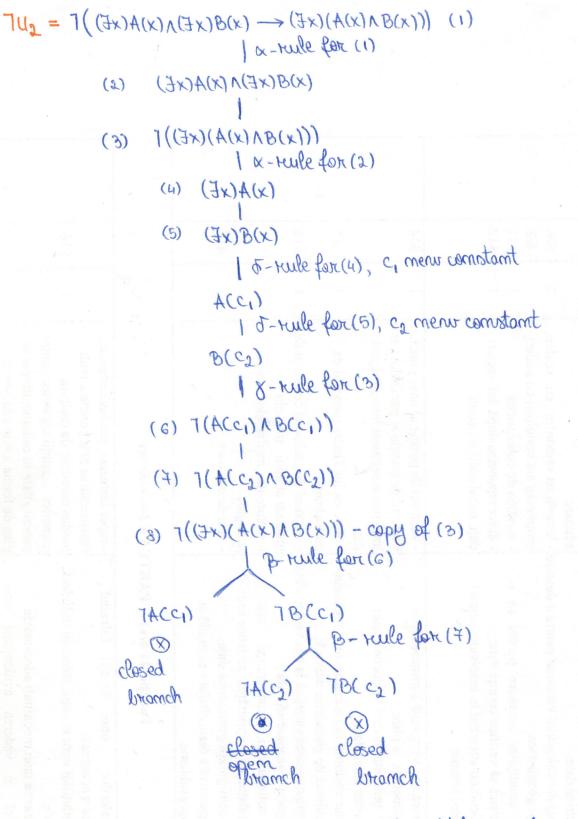


All the branches are closed, so 74, has a closed semantic tableau =



. There exists am open bromch, so TU, doesn't have a closed semantic tableau and it is not a tautology (¥12)

· Cornclusion: we proved ⊨U, and ⊭U2, so the existential guaratifier is only <u>semi-distributive</u> over conjunction