

fl.1 Filtrations are Finite

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Proof. If $u \equiv v$ then, by ??, the set of $\varphi \in \Gamma$ that are true at u is the same as the set of $\varphi \in \Gamma$ that are true at v . So to each $[u] \in W^*$ we can assign a *distinct* subset of Γ . Hence if Γ contains n sentences the cardinality of W^* is no greater than 2^n . \square

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Bibliography