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finiteness of $C_\cup$ and $C_\cap$

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Theorem 1 *For any set L and any subsets X and Y of L, the consequence operator $C_\cap(X, Y)$ is finitary.*

Theorem 2 *For any set L, any subsets X of L, and any* finite *subset Y of L, the consequence operator $C_\cap(X, Y)$ is finitary.*