lt_transitivity_1[12,41]

$\forall i, j, k{:}\mathbb{Z}.\ (i < j) \Rightarrow (j \leq k) \Rightarrow (i < k)$

ProofTree

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http://www.nuprl.org/FDLcontent/p0_942988_/p15_5317_{lt_transitivity_1}.html