xmiddle[12,41]

XM $\equiv_{\text{def}}$ $\forall P{:}\mathbb{P}.$ Dec(P)

clarification:

XM{i} $\equiv_{\text{def}}$ $\forall P{:}\mathbb{P}\{\text{i}\}.$ Dec(P)

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http://www.nuprl.org/FDLcontent/p0_942988_/p2_3365_{xmiddle}.html