

mon^{13,42}

$\text{Mon} \equiv_{\text{def}} \{g:\text{GrpSig} \mid \text{IsMonoid}(|g|;*,e) \ \& \ \text{IsEqFun}(|g|;=,b)\}$

clarification:

$\text{Mon}\{i\} \equiv_{\text{def}} \{g:\text{GrpSig}\{i\} \mid \text{IsMonoid}(|g|;*,g;e,g) \ \& \ \text{IsEqFun}(|g|;=,g)\}$