

subgrp_p^{13,42}

s SubGrp of g

$$\equiv_{\text{def}} s(e) \ \& \ (\forall a:|g|. (s(a) \Rightarrow (s(\sim(a)))) \ \& \ (\forall a, b:|g|. (s(a) \Rightarrow (s(b)) \Rightarrow (s(a * b))))$$

clarification:

s SubGrp of g

$$\begin{aligned} \equiv_{\text{def}} \ & s(eg) \\ & \ \& \ (\forall a:|g|. (s(a) \Rightarrow (s((\sim g)(a)))) \\ & \ \& \ (\forall a:|g|, b:|g|. (s(a) \Rightarrow (s(b)) \Rightarrow (s(a (*g) b)))) \end{aligned}$$