

add_grp_of_rng^{13,42}

$r\downarrow+gp \equiv_{\text{def}} \langle |r|, =_b, \leq_b, +r, 0, -r \rangle$

clarification:

$r\downarrow+gp \equiv_{\text{def}} \langle |r|, =_br, \leq_br, +r, 0r, -r \rangle$