

$\mathcal{R} / := \mathcal{R}[is1_ , os1_ , cs1_ , w1_] \times \mathcal{R}[is2_ , os2_ , cs2_ , w2_] :=$

$\mathcal{R}[is1 \cup is2 , os1 \cup os2 , \text{Join}[cs1 , cs2] , \text{WP}[w1 , w2]]$