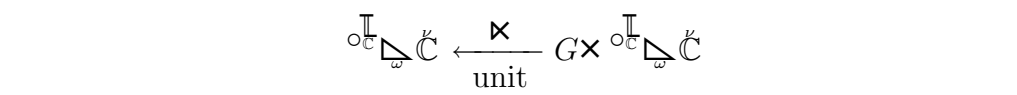
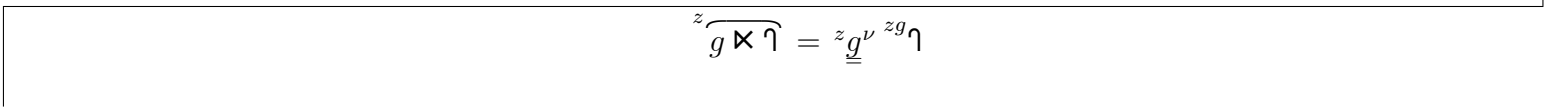
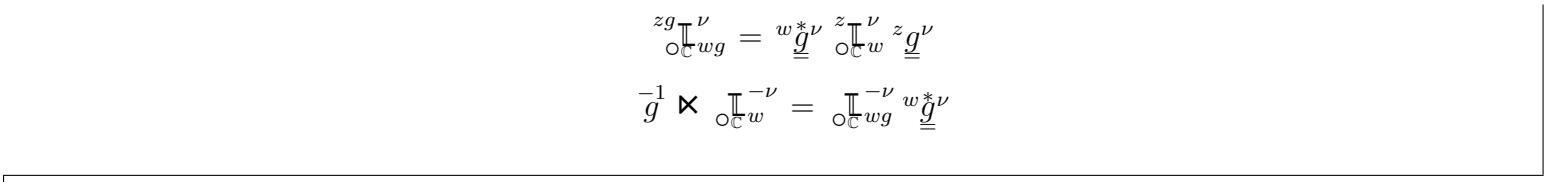
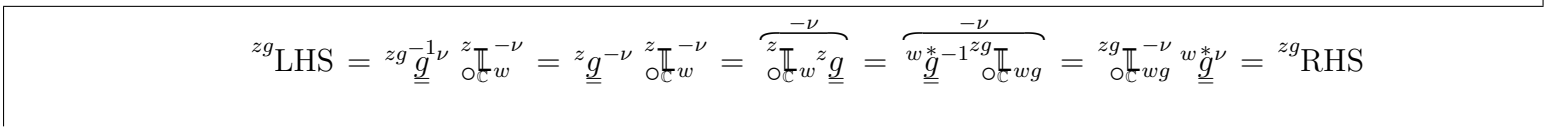
$$\alpha_j = d/r + (j-1)\,a/2 = 1 + (r-1)\,a/2 + (j-1)\,a/2 = 1 + (r+j-2)\,a/2$$

$$\alpha_r = 1 + (r-1)\,a = p - 1$$









$$\nu > (r-1)\,a/2$$