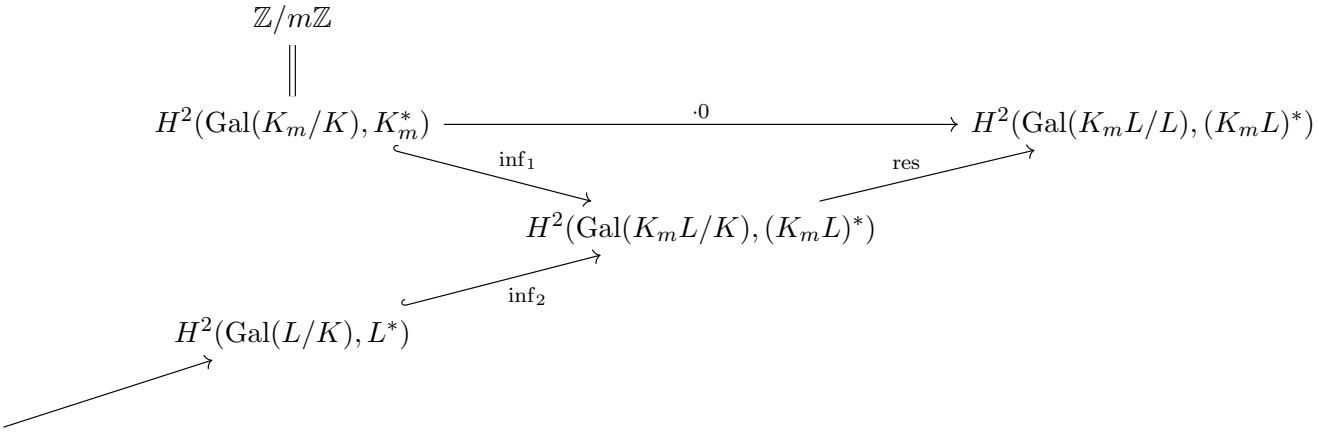
$\mathbb{Z}/m\mathbb{Z}$
$H^2(\mathrm{Gal}(K_m/K), K_m^*)$
$\cdot 0$
$H^2(\mathrm{Gal}(K_mL/L), (K_mL)^*)$
$\inf_1$
res
$H^2(\mathrm{Gal}(K_mL/K), (K_mL)^*)$
$\inf_2$
$H^2(\mathrm{Gal}(L/K), L^*)$
0