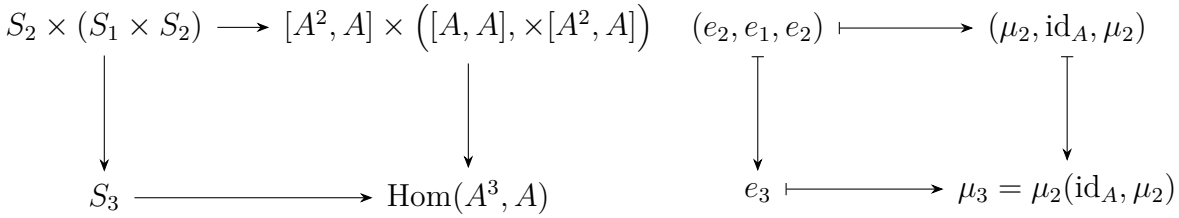
$S_2 \times (S_1 \times S_2)$
$[A^2, A] \times \Big([A, A], \times[A^2, A]\Big)$
(e_2, e_1, e_2)
$(\mu_2, \mathrm{id}_A, \mu_2)$
S_3
$\mathrm{Hom}(A^3, A)$
e_3
$\mu_3 = \mu_2(\mathrm{id}_A, \mu_2)$