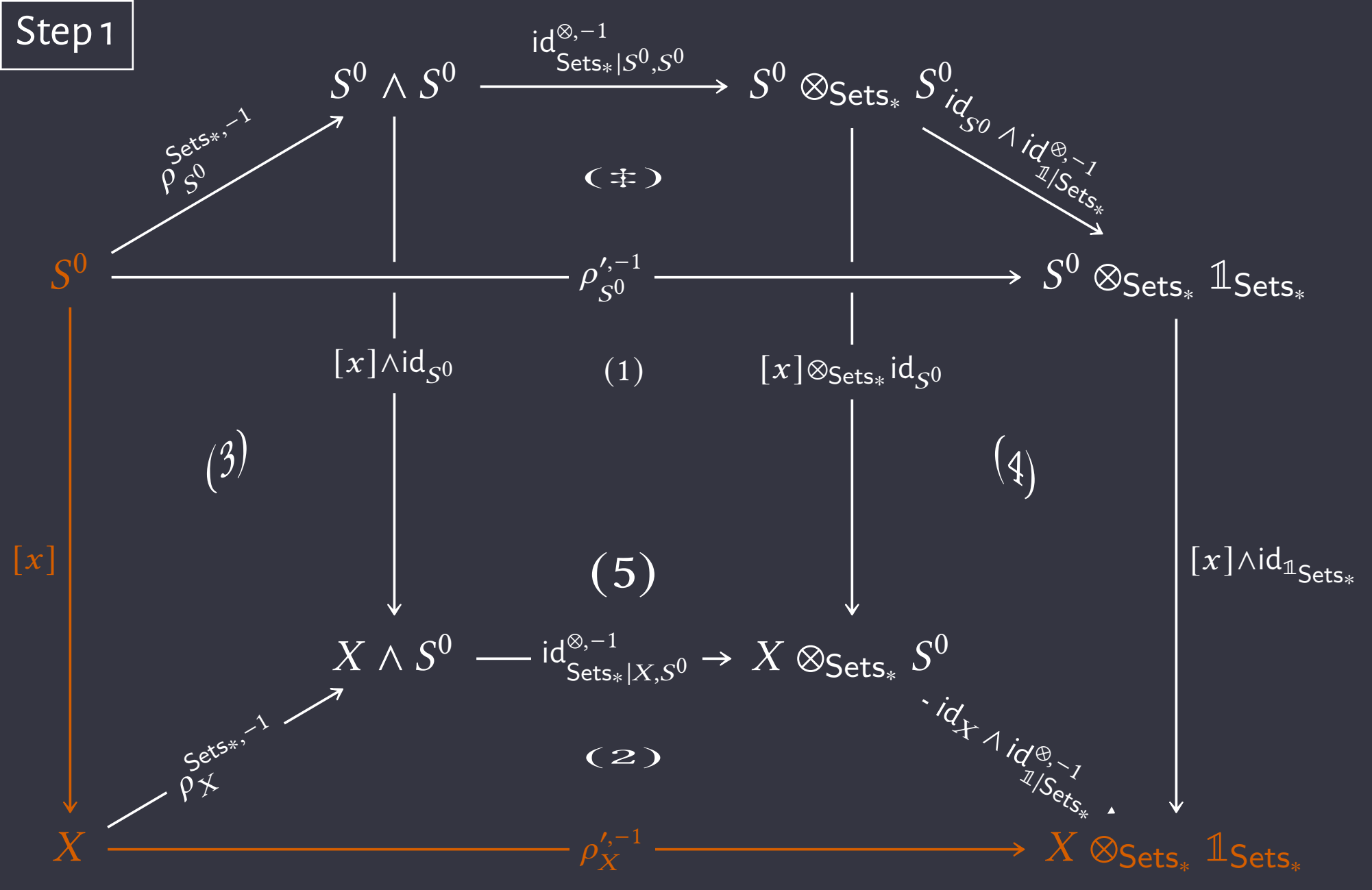
Step 1


$S^0 \wedge S^0$
$\mathrm{id}^{\otimes,-1}_{\mathbf{Sets}_*|S^0,S^0}$
$S^0 \otimes_{\mathbf{Sets}_*} S^0$
$\rho^{\mathbf{Sets}_*,-1}_{S^0}$
$\mathrm{id}_{S^0} \wedge \mathrm{id}^{\otimes,-1}_{\mathbb{1}|\mathbf{Sets}_*}$
S^0
$\rho'^{,-1}_{S^0}$
$S^0 \otimes_{\mathbf{Sets}_*} \mathbb{1}_{\mathbf{Sets}_*}$
$[x] \wedge \mathrm{id}_{S^0}$
(1)
$[x] \otimes_{\mathbf{Sets}_*} \mathrm{id}_{S^0}$
(3)
(4)
$[x]$
(5)
$[x] \wedge \mathrm{id}_{\mathbb{1}_{\mathbf{Sets}_*}}$
$X \wedge S^0$
$\mathrm{id}^{\otimes,-1}_{\mathbf{Sets}_*|X,S^0}$
$X \otimes_{\mathbf{Sets}_*} S^0$
$\rho^{\mathbf{Sets}_*,-1}_{X}$
$\mathrm{id}_X \wedge \mathrm{id}^{\otimes,-1}_{\mathbb{1}|\mathbf{Sets}_*}$
(2)
X
$\rho'^{,-1}_{X}$
$X \otimes_{\mathbf{Sets}_*} \mathbb{1}_{\mathbf{Sets}_*}$