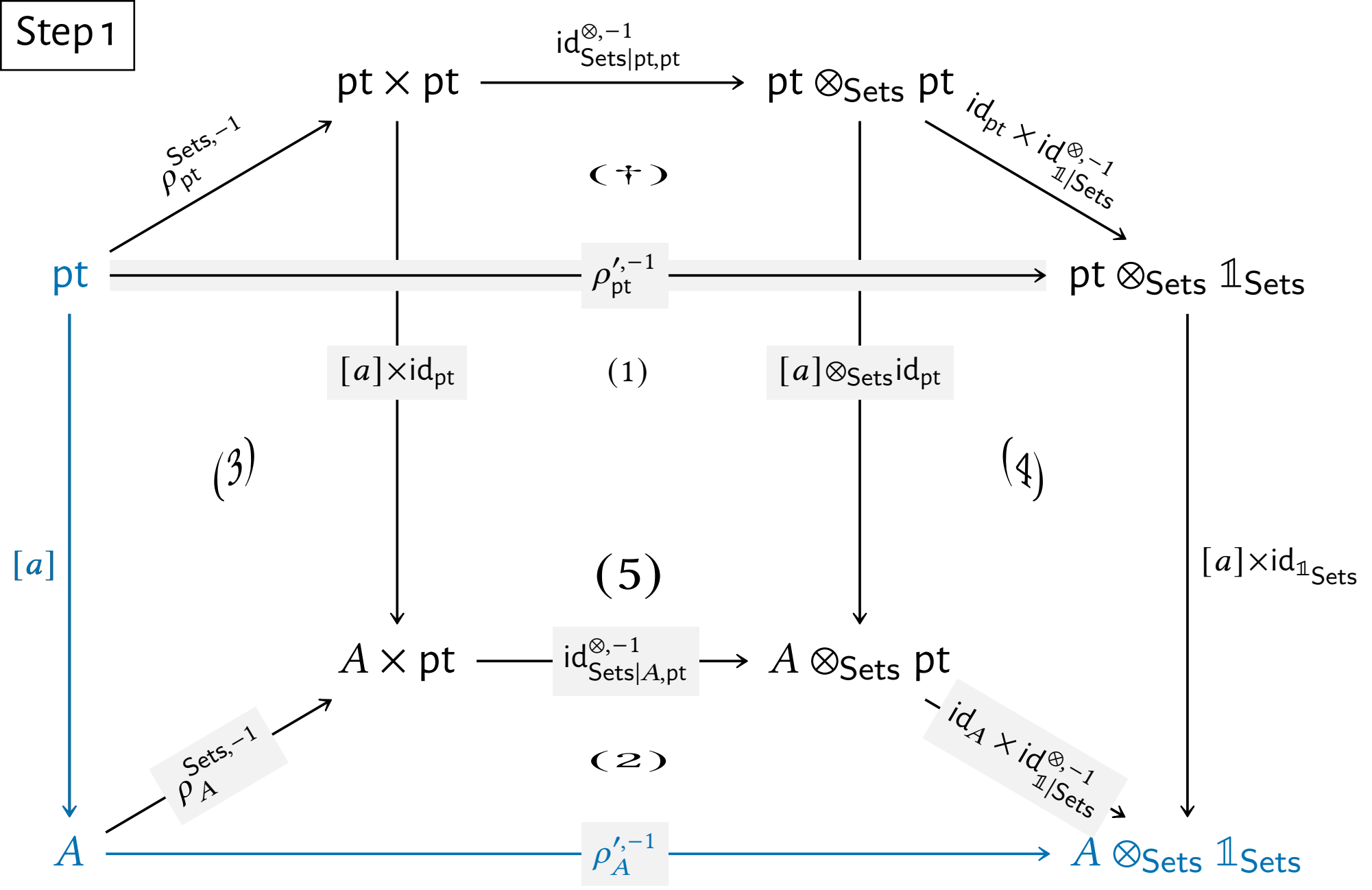
Step 1
$\mathrm{pt} \times \mathrm{pt}$
$\mathrm{id}^{\otimes,-1}_{\mathrm{Sets}|\mathrm{pt},\mathrm{pt}}$
$\mathrm{pt} \otimes_{\mathrm{Sets}} \mathrm{pt}$
$\rho^{\mathrm{Sets},-1}_{\mathrm{pt}}$
$\mathrm{id}_{\mathrm{pt}} \times \mathrm{id}^{\otimes,-1}_{\mathbb{1}|\mathrm{Sets}}$
(+)
pt
$\rho'^{,-1}_{\mathrm{pt}}$
$\mathrm{pt} \otimes_{\mathrm{Sets}} \mathbb{1}_{\mathrm{Sets}}$
$[a] \times \mathrm{id}_{\mathrm{pt}}$
(1)
$[a] \otimes_{\mathrm{Sets}} \mathrm{id}_{\mathrm{pt}}$
(3)
(4)
$[a]$
(5)
$[a] \times \mathrm{id}_{\mathbb{1}_{\mathrm{Sets}}}$
$A \times \mathrm{pt}$
$\mathrm{id}^{\otimes,-1}_{\mathrm{Sets}|A,\mathrm{pt}}$
$A \otimes_{\mathrm{Sets}} \mathrm{pt}$
$\rho^{\mathrm{Sets},-1}_{A}$
$\mathrm{id}_A \times \mathrm{id}^{\otimes,-1}_{\mathbb{1}|\mathrm{Sets}}$
(2)
A
$\rho'^{,-1}_{A}$
$A \otimes_{\mathrm{Sets}} \mathbb{1}_{\mathrm{Sets}}$