$$c: \underbrace{o = \operatorname{PUT}(k', \underline{\hspace{0.5cm}})}_{\text{vis, ar}} \underbrace{g = \operatorname{GET}(k)}_{\text{vis, ar}}$$

$$j \neq c: \underbrace{p' = \operatorname{PUT}(k, \underline{\hspace{0.5cm}})}_{\text{vis, ar}} \underbrace{so}_{\text{vis, ar}}$$

$$i: \underbrace{p = \operatorname{PUT}(k, \underline{\hspace{0.5cm}})}_{\text{vis, ar}}$$