Step	Condition	Store
	$((c_X \neq F_{\rho}(F_{\rho}(c_{\&py}))) \lor (c_Y \neq F_{\rho}(F_{\rho}(c_{\&px}))))$	$F_{ ho}$
2	$((c_X \neq c_{temp}) \lor (c_Y \neq F_{\rho}(F_{\rho}(c_{\&px}))))$	$F_{ ho}\left[F_{ ho}\left(c_{\&py} ight)\mapsto c_{temp} ight]$
33	$((c_X \neq c_{temp}) \lor (c_Y \neq F_{\rho}(F_{\rho}(c_{\&py}))))$	$F_{ ho}\left[F_{ ho}\left(c_{\&py} ight)\mapsto c_{temp}, F_{ ho}\left(c_{\&px} ight)\mapsto F_{ ho}\left(F_{ ho}\left(c_{\&py} ight) ight) ight]$
4	$((c_X \neq F_{\rho}\left(F_{\rho}\left(c_{\&px}\right)\right)) \vee (c_Y \neq F_{\rho}\left(F_{\rho}\left(c_{\&py}\right)\right)))$	$F_{\rho}\left[F_{\rho}\left(c\&py\right) \mapsto F_{\rho}\left(F_{\rho}\left(c\&px\right)\right), F_{\rho}\left(c\&px\right) \mapsto F_{\rho}\left(F_{\rho}\left(c\&py\right)\right)\right]$
ಬ	$((c_X \neq F_{\rho}\left(F_{\rho}\left(c_{\&px}\right)\right)) \vee (F_{\rho}\left(F_{\rho}\left(c_{\&py}\right)\right) \neq F_{\rho}\left(F_{\rho}\left(c_{\&py}\right)\right)))$	$(F_{\rho}\left(F_{\rho}\left(c_{\&py}\right)\right) \neq F_{\rho}\left(F_{\rho}\left(c_{\&py}\right)\right))) \qquad F_{\rho}\left[F_{\rho}\left(c_{\&py}\right) \mapsto F_{\rho}\left(F_{\rho}\left(c_{\&px}\right)\right), F_{\rho}\left(c_{\&px}\right) \mapsto F_{\rho}\left(F_{\rho}\left(c_{\&py}\right)\right)\right] $
9	$((F_{\rho}\left(F_{\rho}\left(c_{\&prx}\right)\right)\neq F_{\rho}\left(F_{\rho}\left(c_{\&prx}\right)\right))\vee(F_{\rho}\left(F_{\rho}\left(c_{\&pry}\right)\right)\neq F_{\rho}\left(F_{\rho}\left(c_{\&pry}\right)\right)))$	$F_{\rho}\left[F_{\rho}\left(c_{\&pq}\right)\mapsto F_{\rho}\left(F_{\rho}\left(c_{\&px}\right)\right),F_{\rho}\left(c_{\&px}\right)\mapsto F_{\rho}\left(F_{\rho}\left(c_{\&pq}\right)\right)\right]$