

[h!]

$\star$	X	Y	$\star(\perp)$	$\star(\top)$	$A \leq_X B$	$\star(A \vee_X B)$	$\star(A \wedge_X B)$
$\alpha$	$\mathcal{L}F$	$\mathcal{U}R$	$\alpha(\emptyset) = \emptyset$	$\alpha(F) \geq_{\mathcal{U}R} \alpha(\cdot)$	$\alpha(A) \geq_{\mathcal{U}R} \alpha(B)$	$\alpha(A) \vee_{\mathcal{L}F} \alpha(B)$	$\alpha(A) \wedge_{\mathcal{L}F} \alpha(B)$
$\beta$	$\mathcal{U}R$	$\mathcal{L}F$	$\beta(R) \geq_{\mathcal{L}F} \beta(\cdot)$	$\beta(\emptyset) = \emptyset$	$\beta(A) \geq_{\mathcal{L}F} \beta(B)$	$\beta(A) \vee_{\mathcal{L}F} \beta(B)$	$\beta(A) \wedge_{\mathcal{L}F} \beta(B)$
$\delta$	$\mathcal{L}F$	$\mathcal{U}R$	$\delta(\emptyset) = R$	$\delta(F) \geq_{\mathcal{U}R} \delta(\cdot)$	$\delta(A) \leq_{\mathcal{U}R} \delta(B)$	$\delta(A) \wedge_{\mathcal{U}R} \delta(B)$	$\delta(A) \vee_{\mathcal{U}R} \delta(B)$
$\gamma$	$\mathcal{U}R$	$\mathcal{L}F$	$\gamma(R) \leq_{\mathcal{L}F} \gamma(\cdot)$	$\gamma(\emptyset) = F$	$\gamma(A) \leq_{\mathcal{L}F} \gamma(B)$	$\gamma(A) \wedge_{\mathcal{L}F} \gamma(B)$	$\gamma(A) \vee_{\mathcal{L}F} \gamma(B)$