Alice	Eve	Bob
a	e	b
$p_A = \alpha^a$	$p_E = \alpha^e$	$p_B = \alpha^b$
$p_A \dashrightarrow$	$p_A \quad p_B \dashleftarrow$	p_B
$p_E \dashleftarrow$	$p_E \quad p_E \dashrightarrow$	p_E
$p_E{}^a = \alpha^{ea}$		$p_E{}^b = \alpha^{eb}$

$$K_1 \equiv p_A{}^e = \alpha^{ae} \quad K_2 \equiv p_B{}^e = \alpha^{be}$$