

$\Phi = 0$

	X=1    X=2	
Y=1	n11	n12
Y=2	n21	n22

$\Phi = 1$

	X=1    X=2	
Y=1	n11	n12
Y=2	n21	n22

$\Phi = -1$

	X=1    X=2	
Y=1	n11	n12
Y=2	n21	n22