

$\Phi = 0$

	$X=1$ $X=2$	
$Y=1$	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