

D_1

$\alpha=0, p=0.1$

$\alpha=50, p=0.8$

$\alpha=150, p=0.1$

D_2

$\alpha=0, p=0.7$

$\alpha=100, p=0.3$

D_3

$\alpha=0, p=0.1$

$\alpha=50, p=0.2$

$\alpha=100, p=0.7$

Aggregate power:

$x = 150$

$\sigma = 5$

$R = x + \sigma = 155$