**CODE:**

D = 50;

d = 0:0.1:50;

Pr = -85;

Ph = -95;

sig = 6;

k1 = 0;

k2 = 30;

u1 = k1 - k2\*log(d);

u2 = k1 - k2\*log(D-d);

Pout = (qfunc((u1 - Pr)./sig)).\*(qfunc((u2-Pr)./sig));

plot(d,Pout)

title('Probability of outage vs d')

Passn1 = (qfunc((u1-Ph)./sig)).\*(qfunc((Pr-u2)./sig));

Passn2 = (qfunc((u2-Ph)./sig)).\*(qfunc((Pr-u1)./sig));

figure

plot(d,Passn1)

title('Probability of assignment to BTS1 vs d')

figure

plot(d,Passn2)

title('Probability of assignment to BTS2 vs d')

figure

plot(d,Passn1)

hold on

plot(d,Passn2)

hold off







