k= input('valor de k: ');

f1 = input('Entre com a frequencia de inferior: ');

w1 = 2\*%pi\*f1;

f2 = input('entre com valor da frequencia superior: ');

w2 = 2\*%pi\*f2;

*//calculos*

B=w2-w1;

disp(B,'B');

w0=sqrt(w1\*w2);

disp(w0,'w0');

q=w0/B;

disp(q,'q');

if k<(2\*(q^2)) then

f0=(w0/(2\*%pi));

disp(f0,'f0');

c=(10/f0)\*1E-6;

disp(c,'c');

r1=(q/(w0\*c\*k));

disp(r1,'r1');

r2=(q/(w0\*c\*(2\*q^2-k)));

disp(r2,'r2');

r3=((2\*q)/(w0\*c));

disp(r3,'r3');

if k==int(r3/(2\*r1)) then

disp(k,'k');

disp('ok');

end

end