

Con matlab:

clear all

clc

syms d y v

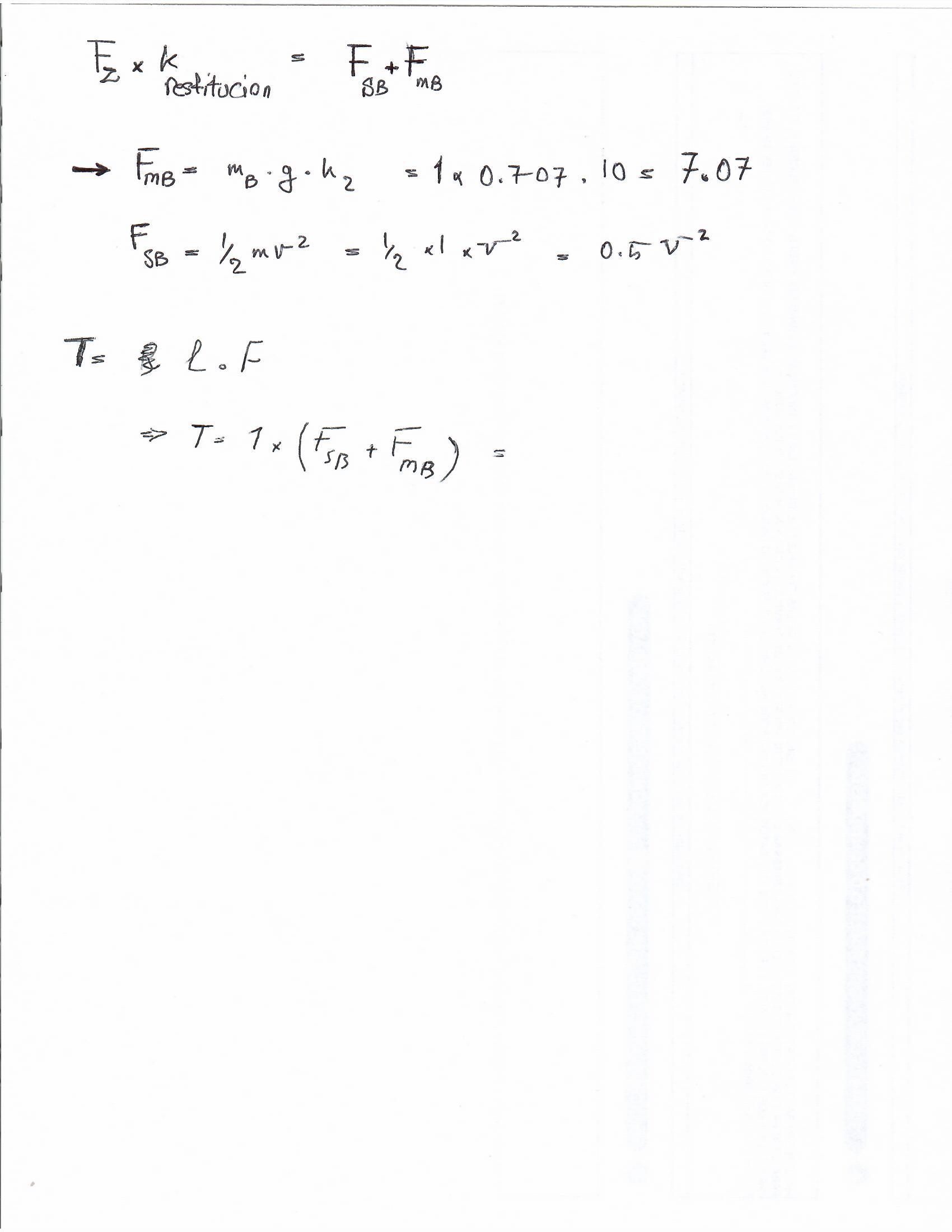
eqn=80+3.42\*y\*(0.1+d)+1.88\*y\*(0.1+d)-800\*d==(0.5\*v^2)+7.07;

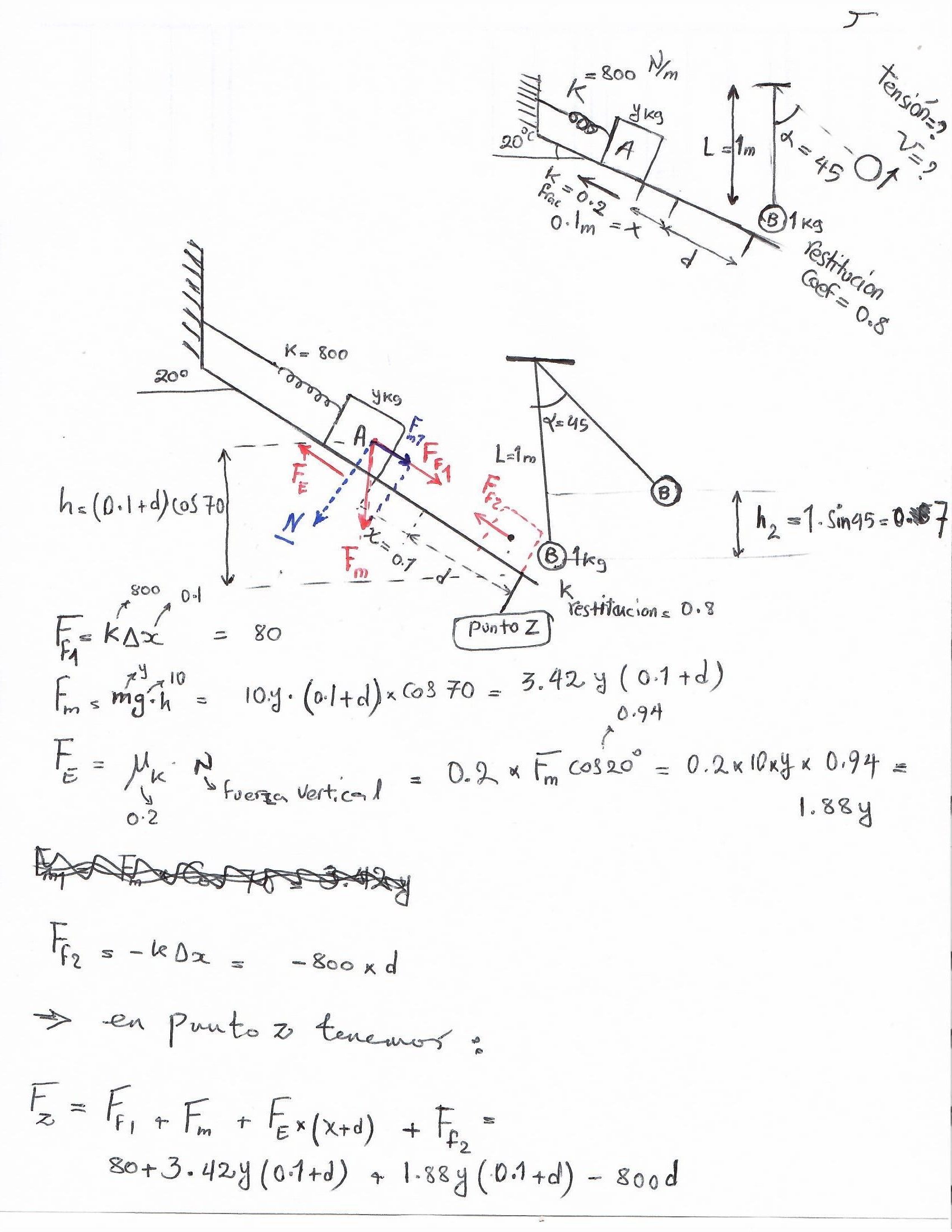
solve(eqn,v)

tenemos:

No eceptable

Aceptable





En Matlab :

Para Y= 1 and xx=70

A=-(2^(1/2)\*(53\*y - 80000\*d + 530\*d\*y + 7293)^(1/2))/10;

Anew=subs(A,[y,d],[1,70]);

pretty(Anew)

ANS:

V= 30.3

Para Y= 0 and xx=61

ANS:

V= 31.21