Goldstein

 $=\frac{1}{5}m\dot{x}^2+Fx$ 

= = = m (B+2ct)2+ Fx.

 $\frac{dL}{dx} = F \left(\frac{dL}{dx}\right) = mx^*, \quad e_1 m : \quad F = mx^*.$ 

mx = 2Ctm => == 2Ctm F = 2Ctm,

or [= F/2+m].

The boundary condition is gill by x(t=0)=0, thus A=J. x(t=to) = a mplies.

 $B + c + C + c^2 = a$ 

Btot E to= a.

B = [a - F + 2]/to.