

```
commandwindow
clear
clc
format short g
syms p
v=40
g=9.81
m=68.1
t=10
e=(g*m/p)*(1-exp(-(p/m)*t))-(v)
g=diff(e)
p=0.35
for i=1:20
    iter(i+1)=i
    p=double(subs(p-(e/g)))
    pf(i+1)=p
    ea(i+1)=abs((pf(i+1)-pf(i))/pf(i+1))*100
    if ea(i+1)<=1E-11
        break
    end
end
end
tab=[iter' ea' pf']
```