

of 1

```
commandwindow
clear
clc
format short
m= 3.5;
v= 0.5;
g= 9.8;
F=m*g
v= sqrt(((F+(0.02*v))*(log(v)^3)+(10*v)+17150)/0.3);
for i=1:inf
    Iter(i+1)=i;
    v(i+1)= sqrt((((F+(0.02*v(i)))*(log(v(i)))^3)+(10*v(i))+17150)/0.3);
    Er(i+1)=abs(((v(i+1)-v(i))/v(i+1))*100);
    if Er(i+1)<=1E-11
        break
    end
end
end
Tabloid= table(Iter', v', Er')
```