program it\_v\_fizike\_lr6;

var

x,Vn,Vd,i,f,b,t,r1,r2: real;

function St(t: real): real;

begin

St:=(1350\*1.05\*t)/(b+9.8\*i+(((17+12.6\*t)\*9.81)/1000));

end;

begin

writeln('Vvedite Vn = '); readln(Vn);

writeln('Vvedite Vd = '); readln(Vd);

writeln('Vvedite i = '); readln(i);

t := (Vn-Vd)/100;

b := 9.81\*0.25\*14200/28000;

f := Vn+t;

r1 := 0;

r2 := 0;

while Vd < f do

begin

r1 := r1 + St(f);

r2 := r2 + St(f+t);

f := f - 2 \* t;

end;

x := t / 3 \* ( St(Vn) + 4 \* r1 + 2 \* r2 + St(Vd));

Writeln(x);

readln();

end.





