```
%The quantities are in SI unit

%[V] = f(3932.522,-388,-26000)

b = -388;
c = -26000;
vi = 0;
v = 3932.522;
while(true)
    vi = v;
    v = 3932.522*(1+b/vi+c/(vi)^2);
    if(abs(v-vi)<0.01)
        break
    end
end
v
%the code given below uses recursive functions
%function [V] = f(vi,b,c)
%    v = 3932.522*(1+b/vi+c/(vi)^2);
%    if(abs(v-vi)<0.01)
%        V = v;
%    else
%        V = f(v,b,c);
%    end
%end
```

```
v =

   3.4865e+03
```

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