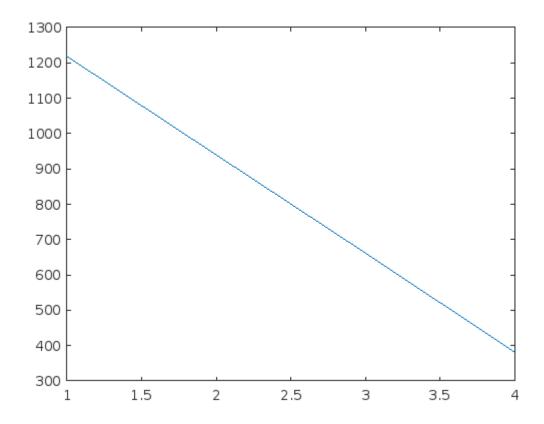
```
n=4;
a=zeros(n,n);
f=zeros(n,1);
f(1) = -1500;
f(n) = -100;
f(2:n:1)=0;
a=zeros(n,n);
a(1,1)=2;
a(n,n) = -2;
for i=1:n-1;
    a(i,i) = -2;
    a(i,i+1)=1;
    a(i+1,i)=1;
end
t=inv(a)*f;
plot(t)
```



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