clc;

clear;

%-------第四章---------

%---------第一题------------

ran=rand(10000,1);

x=linspace(0,1,101);

num=zeros(1,100);

for i=1:length(ran)

for j=1:length(x)-1

if(x(j)<=ran(i)<x(j))

num(j)=num(j)+1;

break;

end

end

end

%-----第二题-------------

money\_1=180\*0.588;

money\_2=180\*0.588+70\*0.638;

X=[210,190,320,280,179,400];

money=zeros(length(X),1);

for i=1:length(X)

if(X(i)<=180)

money(i)=X(i)\*0.588;

elseif(180<X(i)<=350)

money(i)=money\_1+(X(i)-180)\*0.638;

else

money(i)=money\_2+(X(i)-350)\*0.888;

end

end

%----------第五章-----------

%-----------第一题---------------

a=input('a=');

b=input('b=');

c=input('c=');

d=input('d=');

e=input('e=');

f=input('f=');

if((a\*e==b\*d)&&(a\*f==d\*c))

disp('两条直线重合');

elseif(a\*e==b\*d)

disp('两直线平行');

else

inp=[a,b;d,e];

out\_x=[c,b;f,e];

out\_y=[a,c;d,f];

X=det(out\_x)/det(inp);

Y=det(out\_y)/det(inp);

disp('X=')

disp(X)

disp('Y=')

disp(Y)

end

%------------第二题--------------

n=input('请输入数字n:');

res=fibonacci\_mine(n);

disp('结果是');

disp(res);

**finbonacci\_mine.m**

function fibo=fibonacci\_mine(n)

n=n+1;

fibo=zeros(n,1);

fibo(1)=1;

fibo(2)=1;

for k=3:n

fibo(k)=fibo(k-1)+fibo(k-2);

end

return

