#include<stdio.h>

int main()

{

int n;

int x;

printf("here are valid coin value ,in cents:%d;%d;%d;%d;%d;%d",100,50,25,10,5,1);

printf("\n");

printf("Enter amount of cent as integer to make change for:\t");

scanf("%d",&n);

printf("what the maximum number of coin to give as changr:\t");

scanf("%d",&x);

int m=0;

for(int a=0;a<=n/100;a++)

{

for(int b=0;b<=n/50;b++)

{

for(int c=0;c<=n/25;c++)

{

for(int d=0;d<=n/10;d++)

{

for(int e=0;e<=n/5;e++)

{

for(int f=0;f<=n;f++)

{

if ((100\*a+50\*b+25\*c+10\*d+5\*e+f)==n)

m=m+1;

}

}

}

}

}

printf("best combination is:");

}

printf("number of possible combination:%d\n",m);

int a[40];

a[0]=n/100;

a[1]=n%100;

a[2]=a[1]/50;

a[3]=a[1]%50;

a[4]=a[3]/25;

a[5]=a[3]%25;

a[6]=a[5]/10;

a[7]=a[5]%10;

a[8]=a[7]/5;

a[9]=a[7]%5;

a[10]=a[9]/1;

a[11]=a[9]%1;

if(a[0]+a[2]+a[4]+a[6]+a[8]+a[10]<=x)

printf("best combination is: %d unit of 100\n%d unit of 50\n%d unit of 25\n%d unit of 10\n%d unit of 5\n%d unit of 1",a[0],a[2],a[4],a[6],a[8],a[10]);

else

printf("can not perform");

}