#include <iostream>

using namespace std;

class tiktok{

public:

int count,m=0;

char o;

char a1='1',a2='2',a3='3';

char b1='4',b2='5',b3='6';

char c1='7',c2='8',c3='9';

void takeinput();

void update(int n);

void print();

void winnerend();

};

void tiktok::takeinput(){

cin>>o;

}

void tiktok::winnerend(){

if(m==0)

{ if(a1==b1&&b1==c1)

{printf("player with %c wins",a1);

count=1;

}

if(a1==a2&&a2==a3)

{printf("player with %c wins",a1);

count=1;

}

if(a1==b2&&b2==c3)

{printf("player with %c wins",a1);

count=1;

}

if(b1==b2&&b2==b3)

{printf("player with %c wins",b1);

count=1;

}

if(c1==c2&&c2==c3)

{printf("player with %c wins",c1);

count=1;

}

if(a3==b2&&b2==c1)

{printf("player with %c wins",a3);

count =1;

}

}

if(count==1)

{

exit(0);

}

}

void tiktok::print(){

printf("%c %c %c\n%c %c %c\n%c %c %c\n",a1,a2,a3,b1,b2,b3,c1,c2,c3);

}

void tiktok::update(int n){

switch(n){

case 1: {

if(o=='O')

{

a1='O';

}

else if(o=='X')

{

a1='X';

}

break;

}

case 2: {

if(o=='O')

{ a2='O';

}

else if(o=='X')

{ a2='X';

}

break;

}

case 3: {if(o=='O')

a3='O';

else if(o=='X')

a3='X';

break;}

case 4: {if(o=='O')

b1='O';

else if(o=='X')

b1='X';}

break;

case 5: {

if(o=='O')

{ b2='O';

}

else if(o=='X')

{ b2='X';

}

break;

}

case 6: {if(o=='O')

b3='O';

else if(o=='X')

b3='X';

break;}

case 7: {if(o=='O')

c1='O';

else if(o=='X')

c1='X';

break;}

case 8: {if(o=='O')

c2='O';

else if(o=='X')

c2='X';

break;}

case 9: {if(o=='O')

c3='O';

else if(o=='X')

c3='X';

break;}

}

}

int main(){

int n;

tiktok hi;

hi.print();

for(int i=0;i<10;i++){

printf("enter position 1 to 9 and O for zero and X for cross \n");

cin>>n;

hi.takeinput();

hi.update(n);

hi.print();

hi.winnerend();

}

printf("noone wins draw");

return 0;

}