import java.util.Scanner;

public class Main

{

public static void main(String[] args)

{

int L, r, x1 = 0, x = 0, ta = 0, lct = 0, I=0;

Scanner in = new Scanner(System.in);

System.out.println("Enter Bucket size ");

L = in.nextInt();

System.out.println("Enter the Output rate ");

r = in.nextInt();

while(true)

{

System.out.println("Enter time of arrival ");

ta = in.nextInt();

if(ta==-1)

{ System.out.println("exit...");

System.exit(0);

}

System.out.println("Enter the packet size ");

I = in.nextInt();

if(I > L)

{

System.out.println("Non conformal packet");

continue;

}

else

{

x1 = x - (ta - lct)\*r;

if( x1 < 0)

{

x1 = 0;

x = x1 + I;

lct = ta;

System.out.println("Conformal packet");

}

else

{

if(x1 + I <= L)

{

x = x1 + I;

lct = ta;

System.out.println("Conformal packet");

}

else

System.out.println("Non conformal packet");

}

}

}

} }