//CODE FOR INFINITE SERIES

import java.util.\*;

class InfiniteSeies

{

public static double series (int p)

{

double val=0;;

for(int q=1;q<=p;q++)

{ val+=(4\*Math.pow(-1,q+1)) /(2\*q-1); }

return val;

}

public static void main(String args[])

{

double val=0;

Scanner sc=new Scanner(System.in);

int q=1;

while(q<50)

{

System.out.print("Value of π in "+q+"term of the series is ");

val=series(q);

System.out.println(val);

q++;

}

}

}