#include<stdio.h>

int btod(int); // Prototype of btod() function

int main()

{

int binary,decimal;

// Accept input in binary format

printf("Enter binary input :");

scanf("%d",&binary);

// Invoke btod() to convert binary to decimal

decimal=btod(binary);

// Print the decimal equivalent of binary

printf("Decimal equivalent = %d\n", decimal);

return 0;

}

// Function Definition of btod() function

int btod(int bin)

{

if (bin==0)

{

return 0;

}

else

{return (bin%10 + btod(bin/10) \* 2);

}