#include <stdio.h>

void binary\_subtraction(int a, int b)

{

int borrow = 0;

int diff[10];

int i;

for(i = 0; i < 8; i++)

{

diff[i] = ((a % 10) - borrow - (b % 10)) % 2;

if((a % 10) - borrow < (b % 10))

borrow = 1;

else

borrow = 0;

a = a / 10;

b = b / 10;

}

printf("Difference of two binary numbers: ");

for(i = 7; i >= 0; i--)

printf("%d", diff[i]);

}

int main()

{

int a, b;

printf("Enter first binary number: ");

scanf("%d", &a);

printf("Enter second binary number: ");

scanf("%d", &b);

binary\_subtraction(a, b);

return 0;

}

