Any base to Any base Conversion

import java.util.\*;

public class Main{

// main logic : anybase -> anybase , for this

// step1: sourceBase -> decimal(10) ,using anyBaseToDecimal function.

// result is collected in decimalNo variable

// step2: decimal -> destBase , using decimalToAnyBase function.

public static void main(String[] args) {

Scanner scn = new Scanner([System.in](http://system.in/));

int n = scn.nextInt();

int sourceBase = scn.nextInt();

int destBase= scn.nextInt();

int decimalNo = anyBaseToDecimal(n,sourceBase);

int finalRes = decimalToAnyBase(decimalNo,destBase);

System.out.println(finalRes);

}

// utility functions that will be used

// decimal -> any base

public static int decimalToAnyBase(int n, int b){

int res = 0;

int mul = 1;

while(n > 0){

int rem = n % b;

n = n /b;

res += (rem\* mul);

mul = mul \* 10;

}

return res;

}

// any base -> decimal

public static int anyBaseToDecimal(int n, int b){

int res =0;

int mul = 1;

while(n > 0){

int rem = n % 10;

n = n /10;

res += (rem\* mul);

mul = mul \* b;

}

return res;

}

}