**Part B**

1. def mod\_Inv(x,y):

for i in range(y):

if (x\*i)%y==1:

return i

print("Modular multiplicative Inverse is ",mod\_Inv( int(input()),int(input())))

output

(a) 53947-1 mod 56211

**Modular multiplicative Inverse is 7225**

(b) 9385-1 mod 431592

**Modular multiplicative Inverse is 376729**