#Program to check perfect number or not in a given number.

INT\_BITS = 32

def leftRotate(n, d):

return (n << d)|(n >> (INT\_BITS -d))

def rightRotate(n, d):

return (n >> d)|(n << (INT\_BITS -d)) & 0xFFFFFFFF

n = 16

d = 2

print("Left Rotation of",n,"by",d,"is",end=" ")

print(leftRotate(n, d))

print("Right Rotation of",n,"by",d,"is",end=" ")

print(rightRotate(n, d))