```
# > REQUEST EXCHANGE
# < CONFIRMED
# > KEY
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a95c6f6c27b9fa8b482c45ce9605700856869b2beb7f663bf6244902ab57bf681a31fdbe86d7107daa7cc53dcf
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a =
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c55676a5ff90af6a0eabbba477

b =
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8a2dd5a59f8e84785089bdd383

c =
0x3c94c8dffb44880a13acc3e40826d021e4da41aca832cb6d396e83f528eb6fdd4aed8f59ed837d072230b0d6
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622f508d5d2874fa3106334bbd

e = 0x010001


def xgcd(a,b):
    """xgcd(a,b) returns a list of form [g,x,y], where g is gcd(a,b) and
    x,y satisfy the equation g = ax + by."""
    a1=1; b1=0; a2=0; b2=1; aneg=1; bneg=1
    if(a < 0):
        a = -a; aneg=-1
    if(b < 0):
        b = -b; bneg=-1
    while (1):
        quot = -(a // b)
        a = a % b
        a1 = a1 + quot*a2; b1 = b1 + quot*b2
        if(a == 0):
            return [b, a2*aneg, b2*bneg]
        quot = -(b // a)
        b = b % a;
        a2 = a2 + quot*a1; b2 = b2 + quot*b1
        if(b == 0):
            return [a, a1*aneg, b1*bneg]

def invmod(a,n):
    """invmod(b,n) - Compute 1/b mod n."""
    return xgcd(a,n)[1] % n

p = b / xgcd(a,b)[0]
d = invmod(0x010001, p - 1)
m = pow(c, d, p)
print ("%0256X"%m).decode("hex").lstrip("\x00")
```