```
_{C}TX*
  ctx = BN_CTX_new()
  dec2bn(a, 12345678901112231223"); //Assignavalue from a hexnumber string BN_hex2bn(a, 2A3B4C55FF77889AED3F"); //Assignavalue from a hexnumber string BN_hex2bn(a, 2A3B4C55FF77889AED3FT77889AED3FT77889AED3FT77889AED3FT7788
  _{s}tr = BN_{b}n2dec(a); //Printoutthenumberstringprintf("//FreethedynamicallyallocatedmemoryOPENSSL_{f}ree(number_{s}tr))
 res = 
abres = 
a+
b:
\begin{array}{l} o: \\ {}_sub(res,a,b); BN_add(res,a,b); \\ {}_aes = \\ b. \end{array}
 \underset{res}{\text{mul}(res, a, b, ctx)} \\ \underset{b*}{\text{mul}(res, a, b, ctx)} \\ 
  \underset{res = a}{\overset{(n)}{\underset{mod_{m}}{od_{m}}} ul(res, a, b, n, ctx) } 
  mod(n):
 \begin{array}{l} & \dots \\ & mod_e xp(res,a,c,n,ctx) \\ a* \\ b* \end{array}
  mod(n) =
  1(a*
mod_inverse(b, a, n, ctx);
a*
(a*
  b1*
  h*
  mod(n)
  sample.c* /include <
 \left| \begin{array}{l} stdio.h > \\ include < \\ openssl/bn.h > \end{array} \right|
 \stackrel{defineNBITS256voidprintBN(char*}{msg,BIGNUM*}
 a)/*UseBN_bn2hex(a) for hexstring*UseBN_bn2dec(a) for decimal string*/char*number_str=BN_bn2hex(a); printf(cTX*)
  ctx = BN_CTX_new();
  _{n}ew();BIGNUM*
  b = BN_n ew(); BIGNUM*

B = BN_n ew(); BIGNUM*

  \begin{array}{l} & \underset{m}{u}l(res,a,b,ctx);printBN("a*)\\ b=\\ ",res); \end{array}
  {}^{b}modnBN_{m}od_{e}xp(res,a,b,n,ctx);printBN("acmodn=
  ",res); return 0;\\
  gccbn_sample.c-
  lcrypto
  e*
d'≡
1*
  mod((p-
  1)*
 (q-1)
e^*
d^*
  mod((p-
  1)*
  (q-
  (1)) =
 BIGNUM
BIGNUM
BIGNUM
  python-\\c'print("Atopsecret!".encode("hex"))'
  \overset{C}{M^e} = M^e mod(n)
  M = C^{d} mod(n)
 BN_CTX
BN_CTX
```

c'print("4120746f702073656372657421".decode("hex"))'