const char [] cryptText = 0x11, 0x22, 0x34 ...

void main() {

//setup initial values

traverseString();

}

char decryptByte(cryptByte R8, key R9) {

xor.b R8, R9

return plainByte R9

}

void traverseString(msgStart\* R11, ramStart\* R12,

msgLength R13, key\* R14, keyLength R15) {

push R8, R9, R11, R12, R13, R14, R15

for (; R13 > 0; R13-- R15--) {

mov.b @R11+, R8

if (R15 == 0) {

pop R15

pop R14

push R14

push R15

mov.b @R14+, R9

}

decryptByte(R8, R9)

mov.b R9, 0(R12)

inc.w R12

}

pop R15, R14, R13, R12, R11, R9, R8

return

}