

global

start

main()

code

start:

section

.text

mov

rax, 0x02000004

mov

rdi, 1

mov

rsi, message

mov

rdx, 13

syscall

mov

rax, 0x02000001

xor

rdi, rdi

syscall

command

parameters
(operands)

$$X = \overset{1}{2} + \overset{3}{2}$$

variables

section

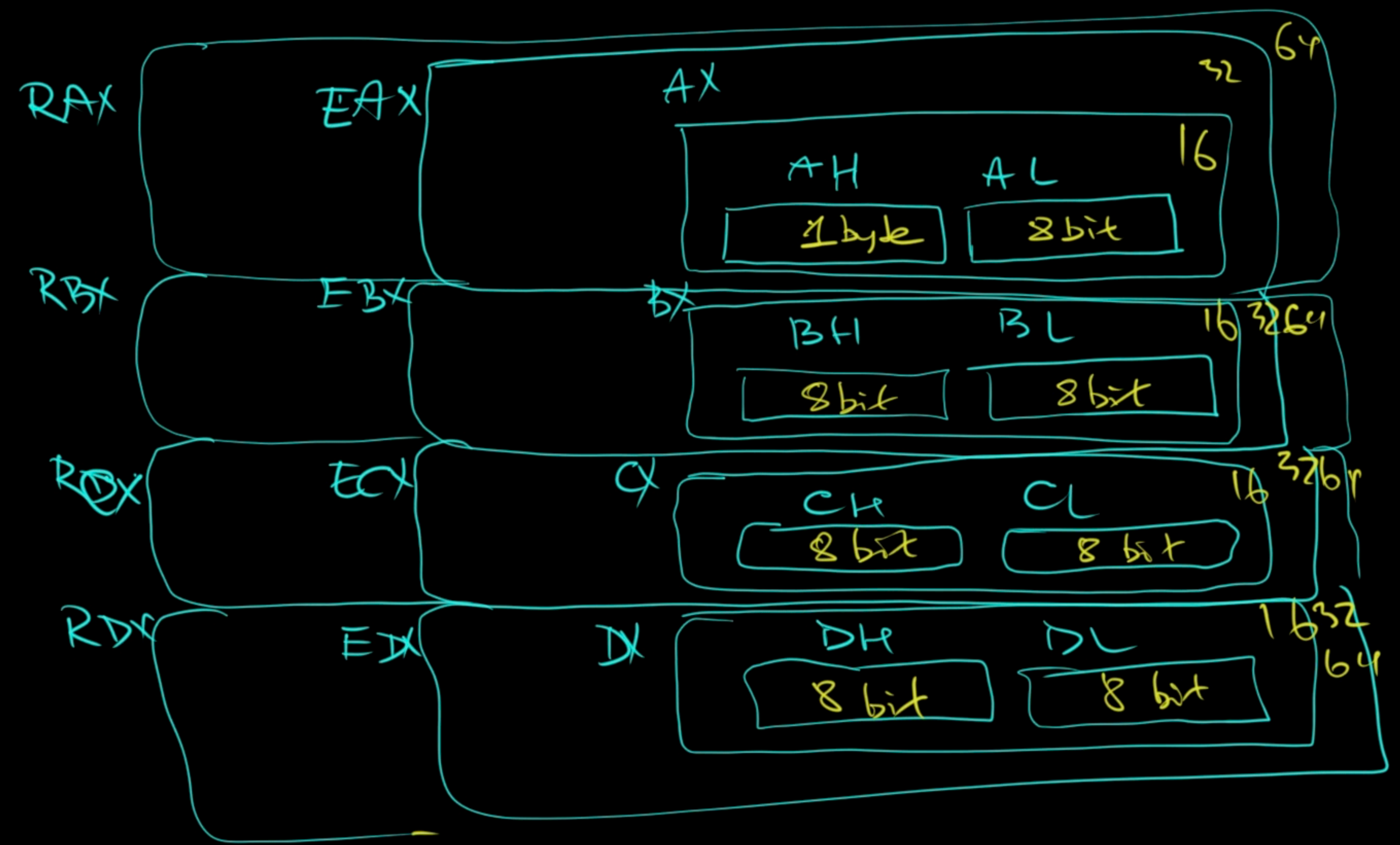
.data

message:

db

"Hello, World", 10

add AH, AL
sub

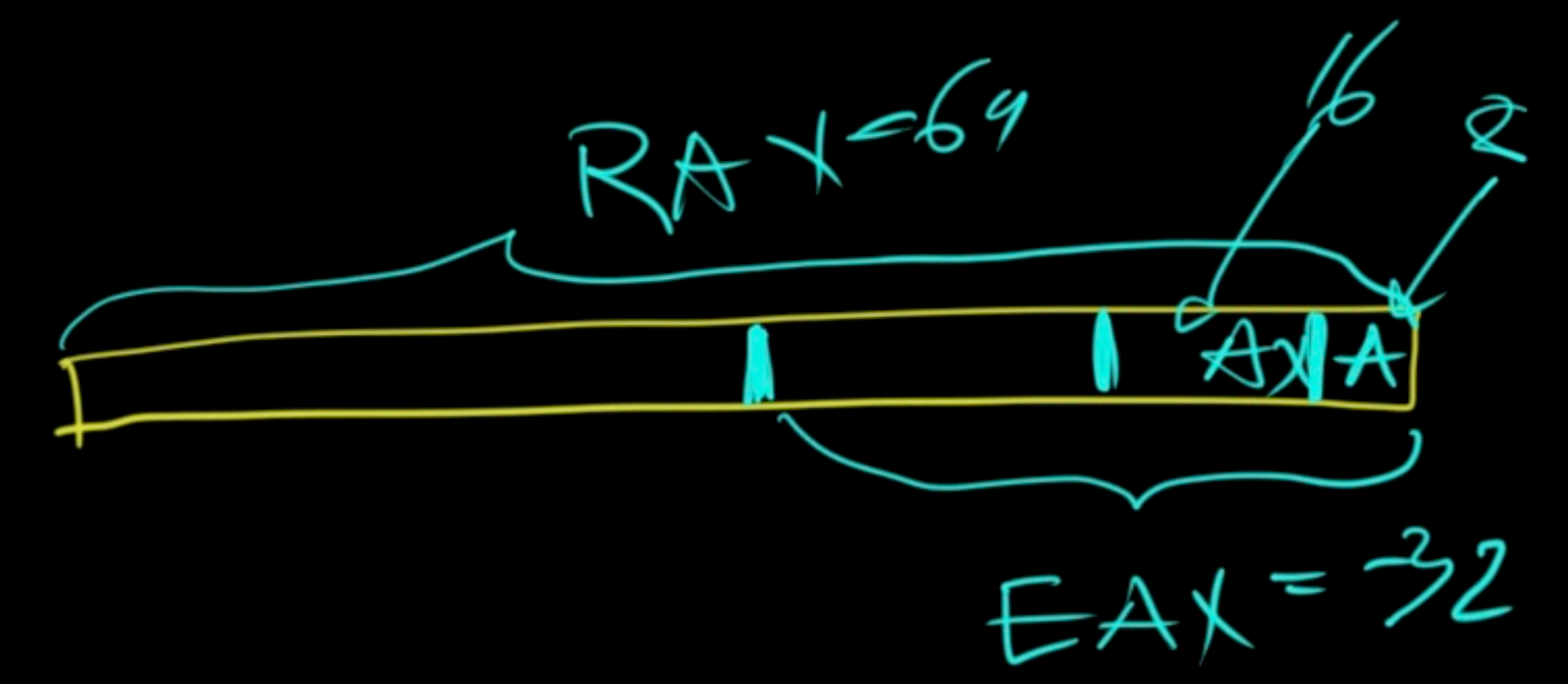


8 bit
8 bit: A, B, C, D, SI, DI
16 bit: AX, BX, CX, DX

32 bit
EAX
EBX
ECX
EDX
ESI
EDI

64 bit
RAX
RBX
RCX
RDX
RSI
RDI

RSI ESI SI
RDI EDI DI



RAX

64bit

~~EAX~~
32bit~~AX~~
16bit~~AH~~
8bit~~AL~~
8bit

REP MOUGB

Cx - length (count)

SI - source address

DI - destination address

```
MOV    CX, 10
```

MOV SI,

Nov DI,

REP MOUSB

