# Eax



32 | 16 | ax | 8 | 0

ah | aL

Eax — 32 bits
ax — 16 bits
ah — a high bit
aL — a low bit

2 hex - 1 byte

n hex values - n/2 bytes

3d -
00111101

| before | instruction | after | opcode | bytes | mod r/m | | |
|---|---|---|---|---|---|---|---|
| | | | | | mod | reg | r/m |
| eax : | mov eax,50 | eax: | B8 | 5 | N/A | N/A | N/A |
| ebx:<br><br>bval byte 110 | mov bh, bval | ebx:<br>bval:6e | 8A | 6 | 00 | 111 | 101 |
| ecx:<br>dval word 15 | mov ecx, dval | ecx:<br>dval: | 8B | 6 | 00 | 001 | 101 |