

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|
| 0 | 0 | nul | 1 | 1 | soh | 2 | 2 | stx | 3 | 3 | etx | 4 | 4 | eot | 5 | 5 | enq | 6 | 6 | ack | 7 | 7 | bel |
| 8 | 8 | bs | 9 | 9 | ht | 10 | A | nl | 11 | B | vt | 12 | C | np | 13 | D | cr | 14 | E | so | 15 | F | bs |
| 16 | 10 | dle | 17 | 11 | dc1 | 18 | 12 | dc2 | 19 | 13 | dc3 | 20 | 14 | dc4 | 21 | 15 | nak | 22 | 16 | syn | 23 | 17 | etb |
| 24 | 18 | can | 25 | 19 | em | 26 | 1A | sub | 27 | 1B | esc | 28 | 1C | fs | 29 | 1D | gs | 30 | 1E | rs | 31 | 1F | us |
| 32 | 20 | sp | 33 | 21 | ! | 34 | 22 | " | 35 | 23 | # | 36 | 24 | \$ | 37 | 25 | % | 38 | 26 | & | 39 | 27 | ' |
| 40 | 28 | | 41 | 29 |) | 42 | 2A | * | 43 | 2B | + | 44 | 2C | , | 45 | 2D | - | 46 | 2E | . | 47 | 2F | / |
| 48 | 30 | 0 | 49 | 31 | 1 | 50 | 32 | 2 | 51 | 33 | 3 | 52 | 34 | 4 | 53 | 35 | 5 | 54 | 36 | 6 | 55 | 37 | 7 |
| 56 | 38 | 8 | 57 | 39 | 9 | 58 | 3A | 3 | 59 | 3B | < | 60 | 3C | < | 61 | 3D | = | 62 | 3E | > | 63 | 3F | ? |
| 64 | 40 | @ | 65 | 41 | A | 66 | 42 | B | 67 | 43 | C | 68 | 44 | D | 69 | 45 | E | 70 | 46 | F | 71 | 47 | G |
| 72 | 48 | H | 73 | 49 | I | 74 | 4A | J | 75 | 4B | K | 76 | 4C | L | 77 | 4D | M | 78 | 4E | N | 79 | 4F | O |
| 80 | 50 | 8 | 81 | 51 | Q | 82 | 52 | R | 83 | 53 | S | 84 | 54 | T | 85 | 55 | U | 86 | 56 | V | 87 | 57 | W |
| 88 | 58 | X | 89 | 59 | Y | 90 | 5A | Z | 91 | 5B | [| 92 | 5C | \ | 93 | 5D |] | 94 | 5E | ^ | 95 | 5F |] |
| 96 | 60 | . | 97 | 61 | a | 98 | 62 | b | 99 | 63 | { | 100 | 64 | d | 101 | 65 | e | 102 | 66 | f | 103 | 67 | g |
| 104 | 68 | h | 105 | 69 | i | 106 | 6A | j | 107 | 6B | k | 108 | 6C | l | 109 | 6D | m | 110 | 6E | n | 111 | 6F | o |
| 112 | 70 | p | 113 | 71 | q | 114 | 72 | r | 115 | 73 | s | 116 | 74 | t | 117 | 75 | u | 118 | 76 | v | 119 | 77 | w |
| 120 | 78 | x | 121 | 79 | y | 122 | 7A | z | 123 | 7B | { | 124 | 7C | | 125 | 7D | } | 126 | 7E | ~ | 127 | 7F | del |

C OPERATOR ASSOCIATIVITY

→ () [] -> .
 ← ! ~ ++ -- + - * & (type) sizeof
 → * / %
 → + -
 → << >> <= >= **www.berklix.com**
 → == !=
 → & (Bitwise And)
 → ^ (Bitwise Xor)
 → | (Bitwise Or)
 → && (Boolean And)
 → || (Boolean Or)
 → ? :
 ← = += -= *= /= %= &= ^= |= <<= >>=
 → , (Chapter 3 (< K&R P.49/53))



| Bit | IRQ | PRIORITY |
|-----|-----|--------------|
| 8 | 0 | Timer |
| 8 | 1 | Keyboard |
| 8 | 2 | Cascade 8-15 |
| 16 | 8 | RTClock |
| 16 | 9 | [Redir → 2] |
| 16 | 10 | [CD / Ether] |
| 16 | 11 | [SCSI] |
| 16 | 12 | [PS2 Mouse] |
| 16 | 13 | FloatPoint U |
| 16 | 14 | Disc IDE 0 |
| 16 | 15 | Disc IDE 1 |
| 8 | 3 | Serial1 Com2 |
| 8 | 4 | Serial0 Com1 |
| 8 | 5 | Paralel Lpt2 |
| 8 | 6 | Floppy |
| 8 | 7 | Paralel Dft |

| | | |
|---|---------|-----|
| A | 0-127 | /8 |
| B | 128-191 | /16 |
| C | 192-223 | /24 |
| D | 224-239 | /8 |
| E | 240-247 | /? |

| | |
|-------------|-------------------|
| 10.0.0.0 | 10.FF.FF.FF /8 |
| 172.16.0.0 | 172.31.FF.FF /12 |
| 192.168.0.0 | 192.168.FF.FF /16 |
| ↑ RFC1918 | ↓ Multi- |
| ↑ Local | ↓ cast |

| DMA | Ports 0x3FF | |
|---------------|-----------------------|--------------------|
| 8 0 (Refresh) | 12 to 10 bit decoding | A: 0.0.0.0 /8 |
| 8 1 | | -0.FF.FF.FF |
| 8 2 Floppy | | B: 169.254.0.0 /16 |
| 8 3 | | -169.254.FF.FF |
| 16 4 Cascade | C=8=4=0** | C: 192.0.2.0 /24 |
| 16 5 SCSI | D=9=5=1** | -192.0.2.FF |
| 16 6 | E=A=6=2** | D: 224.0.0.0 /4 |
| 16 7 | F=B=7=3** | -239.FF.FF.FF |
| | | E: 240.0.0.0 /4 |
| | | -255.FF.FF.FF |