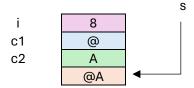
System-oriented Programming Picasso

Symbolic names and values



Symbolic names and possible hexadecimal values of the adresses

| Variable | | Address | | | |
|----------|-------|---------|------------------------------|-----------------------------|--|
| name | value | name | possible value (hex-base) | possible value (10-base) | |
| i | 8 | &i | 0x00 | 0 | |
| c1 | @ | &c1 | 0x04 | 4 | |
| c2 | Α | &c2 | 80x0 | 8 | |
| | @A | S | 0x0C | 12 | |

Big and little endian: symbolic memory cell and address values

| Address | ddress Big endian | | | |
|---------|-------------------|-----|-----|-----|
| 0x00 | 0 | 0 | 0 | 8 |
| 0x04 | 0 | *** | *** | *** |
| 80x0 | Α | *** | *** | *** |
| 0x0C | @ | Α | \0 | *** |
| 0x10 | *** | *** | *** | *** |

| | Address | | | |
|-----|---------|-----|-----|------|
| 0 | 0 | 0 | 8 | 0x00 |
| *** | *** | *** | @ | 0x04 |
| *** | *** | *** | Α | 80x0 |
| *** | \0 | Α | @ | 0x0C |
| *** | *** | *** | *** | 0x10 |

Big and Little endian: hexadecimal memory cell and address values

| Address | Big endian | | | |
|---------|------------|------|------|------|
| 0x00 | 0x00 | 0x00 | 0x00 | 80x0 |
| 0x04 | 0x40 | *** | *** | *** |
| 80x0 | 0x41 | *** | *** | *** |
| 0x0C | 0x40 | 0x41 | 0x00 | *** |
| 0x10 | *** | *** | *** | *** |

| Little endian | | | | Address |
|---------------|------|------|------|---------|
| 0x00 | 0x00 | 0x00 | 0x08 | 0x00 |
| *** | *** | *** | 0x40 | 0x04 |
| *** | *** | *** | 0x41 | 0x08 |
| *** | 0x00 | 0x41 | 0x40 | 0x0C |
| *** | *** | *** | *** | 0x10 |

Notes: We colored the variables, for more understanding, i.e. char s[5] uses 5 bytes...