|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| команда | слово 1 | | | | | | | | | | слово 2 | | | | | | | | | | слово 3 | | | | | | | | | |
| КОП | | | |  | | | | | |
|  | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
| mov adr,reg | 0 | 0 | 0 | 0 | x | x | reg | | | | x | x | x | x | x | x | adr | | | | adr | | | | | | | | | |
| mov reg, adr | 0 | 0 | 0 | 1 | x | x | reg | | | | x | x | x | x | x | x | adr | | | | adr | | | | | | | | | |
| mov reg,[bx][si] | 0 | 0 | 1 | 0 | x | x | reg | | | | x | x | x | x | x | x | bx | | | | x | x | x | x | x | x | si | | | |
| dec reg | 0 | 0 | 1 | 1 | x | x | reg | | | | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| dec[bx][si] | 0 | 1 | 0 | 0 | x | x | x | x | x | x | x | x | x | x | x | x | bx | | | | x | x | x | x | x | x | si | | | |
| xor reg,reg | 0 | 1 | 0 | 1 | x | x | reg1 | | | | reg2 | | | | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| xor reg,[bx][si] | 0 | 1 | 1 | 0 | x | x | reg | | | | x | x | x | x | x | x | bx | | | | x | x | x | x | x | x | si | | | |
| nand reg,reg | 0 | 1 | 1 | 1 | x | x | reg1 | | | | reg2 | | | | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| nand reg,[bx][si] | 1 | 0 | 0 | 0 | x | x | reg | | | | x | x | x | x | x | x | bx | | | | x | x | x | x | x | x | si | | | |
| ror reg,reg | 1 | 0 | 0 | 1 | x | x | reg1 | | | | reg2 | | | | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| ror reg,[bx][si] | 1 | 0 | 1 | 0 | x | x | reg | | | | x | x | x | x | x | x | bx | | | | x | x | x | x | x | x | si | | | |
| push reg | 1 | 0 | 1 | 1 | x | x | reg | | | | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| pop reg | 1 | 1 | 0 | 0 | x | x | reg | | | | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| jmp | 1 | 1 | 0 | 1 | x | x | x | x | x | x | x | x | x | x | x | x | adr | | | | adr | | | | | | | | | |
| jnz | 1 | 1 | 1 | 0 | x | x | x | x | x | x | x | x | x | x | x | x | adr | | | | adr | | | | | | | | | |
| hlt | 1 | 1 | 1 | 1 | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |

AB=14, DB=10, REG=10, базовая индексная

Микропрограмма

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| команда | Двоичный код | | | Шестнадцатеричный код | | |
| 1 слово | 2 слово | 3 слово | 1 слово | 2 слово | 3 слово |
| mov 20h, reg1 | 0000000001 | 0000001000 | 0000100000 | 1h | 8h | 20h |
| mov reg2, Ah | 0001000010 | 0000001000 | 0000001010 | 42h | 8h | Ah |
| mov reg0, [reg1][reg4] | 0010000000 | 0000000001 | 0000000100 | 80h | 1h | 4h |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |