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| **MOTOROLA 6803** | | | | | |  | | | **SEZNAM MNEMONIKOV PO OPERACIJSKIH KODAH** | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **KODA** | **UKAZ** | NAS | **KODA** | **UKAZ** | NAS | **KODA** | **UKAZ** | NAS | **KODA** | **UKAZ** | NAS | **KODA** | **UKAZ** | NAS | **KODA** | **UKAZ** | NAS |
| 00 | **X** |  | 2B | **BMI** | REL | 55 | **X** |  | 80 | **SUBA** | TAK | AC | **CPX** | IND | D6 | **LDAB** | DIR |
| 01 | **NOP** | VSE | 2C | **BGE** | REL | 56 | **RORB** | VSE | 81 | **CMPA** | TAK | AD | **JSR** | IND | D7 | **STAB** | DIR |
| 02 | **X** |  | 2D | **BLT** | REL | 57 | **ASRB** | VSE | 82 | **SBCA** | TAK | AE | **LDS** | IND | D8 | **EORB** | DIR |
| 03 | **X** |  | 2E | **BGT** | REL | 58 | **ASLB** | VSE | 83 | **SUBD** | TAK | AF | **STS** | IND | D9 | **ADCB** | DIR |
| 04 | **LSRD** | VSE | 2F | **BLE** | REL | 59 | **ROLB** | VSE | 84 | **ANDA** | TAK | B0 | **SUBA** | RAZ | DA | **ORAB** | DIR |
| 05 | **ASLD** | VSE | 30 | **TSX** | VSE | 5A | **DECB** | VSE | 85 | **BITA** | TAK | B1 | **CMPA** | RAZ | DB | **ADDB** | DIR |
| 06 | **TAP** | VSE | 31 | **INS** | VSE | 5B | **X** |  | 86 | **LDAA** | TAK | B2 | **SBCA** | RAZ | DC | **LDD** | DIR |
| 07 | **TPA** | VSE | 32 | **pULa** | VSE | 5C | **INCB** | VSE | 87 | **X** |  | B3 | **SUBD** | RAZ | DD | **STD** | DIR |
| 08 | **INX** | VSE | 33 | **pULB** | VSE | 5D | **TSTB** | VSE | 88 | **EORA** | TAK | B4 | **ANDA** | RAZ | DE | **LDX** | DIR |
| 09 | **DEX** | VSE | 34 | **DES** | VSE | 5E | **X** |  | 89 | **ADCA** | TAK | B5 | **BITA** | RAZ | DF | **STX** | DIR |
| 0A | **CLV** | VSE | 35 | **TXS** | VSE | 5F | **CLRB** | VSE | 8A | **ORAA** | TAK | B6 | **LDAA** | RAZ | E0 | **SUBB** | IND |
| 0B | **SEV** | VSE | 36 | **psha** | VSE | 60 | **NEG** | IND | 8B | **ADDA** | TAK | B7 | **STAA** | RAZ | E1 | **CMPB** | IND |
| 0C | **CLC** | VSE | 37 | **pshB** | VSE | 61 | **X** |  | 8C | **CPX** | TAK | B8 | **EORA** | RAZ | E2 | **SBCB** | IND |
| 0D | **SEC** | VSE | 38 | **PULX** | VSE | 62 | **X** |  | 8D | **BSR** | REL | B9 | **ADCA** | RAZ | E3 | **ADDD** | IND |
| 0E | **CLI** | VSE | 39 | **RTS** | VSE | 63 | **COM** | IND | 8E | **LDS** | TAK | BA | **ORAA** | RAZ | E4 | **ANDB** | IND |
| 0F | **SEI** | VSE | 3A | **ABX** | VSE | 64 | **LSR** | IND | 8F | **X** |  | BB | **ADDA** | RAZ | E5 | **BITB** | IND |
| 10 | **SBA** | VSE | 3B | **RTI** | VSE | 65 | **X** |  | 90 | **SUBA** | DIR | BC | **CPX** | RAZ | E6 | **LDAB** | IND |
| 11 | **CBA** | VSE | 3C | **PSHX** | VSE | 66 | **ROR** | IND | d | **CMPA** | DIR | BD | **JSR** | RAZ | E7 | **STAB** | IND |
| 12 | **X** |  | 3D | **MUL** | VSE | 67 | **ASR** | IND | 92 | **SBCA** | DIR | BE | **LDS** | RAZ | E8 | **EORB** | IND |
| 13 | **X** |  | 3E | **WAI** | VSE | 68 | **ASL** | IND | 93 | **SUBD** | DIR | BF | **STS** | RAZ | E9 | **ADCB** | IND |
| 14 | **X** |  | 3F | **SWI** | VSE | 69 | **ROL** | IND | 94 | **ANDA** | DIR | C0 | **SUBB** | TAK | EA | **ORAB** | IND |
| 15 | **X** |  | 40 | **NEGA** | VSE | 6A | **DEC** | IND | 95 | **BITA** | DIR | C1 | **CMPB** | TAK | EB | **ADDB** | IND |
| 16 | **TAB** | VSE | 41 | **X** |  | 6B | **X** |  | 96 | **LDAA** | DIR | C2 | **SBCB** | TAK | EC | **LDD** | INDaa |
| 17 | **TBA** | VSE | 42 | **X** |  | 6C | **INC** | IND | 97 | **STAA** | DIR | C3 | **ADDD** | TAK | ED | **STD** | IND |
| 18 | **X** |  | 43 | **COMA** | VSE | 6D | **TST** | IND | 98 | **EORA** | DIR | C4 | **ANDB** | TAK | EE | **LDX** | IND |
| 19 | **DAA** | VSE | 44 | **LSRA** | VSE | 6E | **JMP** | IND | 99 | **ADCA** | DIR | C5 | **BITB** | TAK | EF | **STX** | IND |
| 1A | **X** |  | 45 | **X** |  | 6F | **CLR** | IND | 9A | **ORAA** | DIR | C6 | **LDAB** | TAK | F0 | **SUBB** | RAZ |
| 1B | **ABA** | VSE | 46 | **RORA** | VSE | 70 | **NEG** | RAZ | 9B | **ADDA** | DIR | C7 | **X** |  | F1 | **CMPB** | RAZ |
| 1C | **X** |  | 47 | **ASRA** | VSE | 71 | **X** |  | 9C | **CPX** | DIR | C8 | **EORB** | TAK | F2 | **SBCB** | RAZ |
| 1D | **X** |  | 48 | **ASLA** | VSE | 72 | **X** |  | 9E | **LDS** | DIR | C9 | **ADCB** | TAK | F3 | **ADDD** | RAZ |
| 1E | **X** |  | 49 | **ROLA** | VSE | 73 | **COM** | RAZ | 9F | **STS** | DIR | CA | **ORAB** | TAK | F4 | **ANDB** | RAZ |
| 1F | **X** |  | 4A | **DECA** | VSE | 74 | **LSR** | RAZ | A0 | **SUBA** | IND | CB | **ADDB** | TAK | F5 | **BITB** | RAZ |
| 20 | **BRA** | REL | 4B | **X** |  | 75 | **X** |  | A1 | **CMPA** | IND | CC | **LDD** | TAK | F6 | **LDAB** | RAZ |
| 21 | **BRN** | REL | 4C | **INCA** | VSE | 76 | **ROR** | RAZ | A2 | **SBCA** | IND | CD | **X** |  | F7 | **STAB** | RAZ |
| 22 | **BHI** | REL | 4D | **TSTA** | VSE | 77 | **ASR** | RAZ | A3 | **SUBD** | IND | CE | **LDX** | TAK | F8 | **EORB** | RAZ |
| 23 | **BLS** | REL | 4E | **X** |  | 78 | **ASL** | RAZ | A4 | **ANDA** | IND | CF | **X** |  | F9 | **ADCB** | RAZ |
| 24 | **BCC** | REL | 4F | **CLRA** | VSE | 79 | **ROL** | RAZ | A5 | **BITA** | IND | D0 | **SUBB** | DIR | FA | **ORAB** | RAZ |
| 25 | **BCS** | REL |  |  |  | 7A | **DEC** | RAZ | A6 | **LDAA** | IND | D1 | **CMPB** | IND | FB | **ADDB** | RAZ |
| 26 | **BNE** | REL | 50 | **NEGB** | VSE | 7B | **X** |  | A7 | **STAA** | IND | D2 | **SBCB** | DIR | FC | **LDD** | RAZ |
| 27 | **BEQ** | REL | 51 | **X** |  | 7C | **INC** | RAZ | A8 | **EORA** | IND | D3 | **ADDD** | DIR | FD | **STD** | RAZ |
| 28 | **BVC** | REL | 52 | **X** |  | 7D | **TST** | RAZ | A9 | **ADCA** | IND | D4 | **ANDB** | DIR | FE | **LDX** | RAZ |
| 29 | **BVS** | REL | 53 | **COMB** | VSE | 7E | **JMP** | RAZ | AA | **ORAA** | IND | D5 | **BITB** | DIR | FF | **STX** | RAZ |
| 2A | **BPL** | REL | 54 | **LSRB** | VSE | 7F | **CLR** | RAZ | AB | **ADDA** | IND |  |  |  |  |  |  |
| **VSE** | vsebovano naslavljanje | | dolžina 1 bajt, PC  PC+1 | | | **RAZ** | razširjeno naslavljanje | | dolžina 3 bajte, PC  PC+3 ( razen JMP in JSR: PC  M, velja tudi za ostala naslavljanja) | | | | | | | | |
| **DIR** | direktno naslavljanje | | dolžina 2 bajta, PC  PC+2 | | | **REL** | relativno naslavljanje | | dolžina 2 bajta pravilno: PC  PC+M+2 napačno: PC  PC+2 | | | | | | | | |
| **IND** | indeksno naslavljanje | | dolžina 2 bajta, PC  PC+2 | | | **TAK** | takojšnje naslavljanje | | dolžina 2 bajta, PC  PC+2 (A, B, M); dolžina 3 bajte, PC  PC+3 (X, S, PC, M:M+1) | | | | | | | | |
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| **MOTOROLA 6803** | | | | | | | | **ABECEDNI SEZNAM MNEMONIKOV** | | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **UKAZ** | SIMBOL. | TAK | DIR | IND | RAZ | VSE | REL | **UKAZ** | SIMBOL. | TAK | DIR | IND | RAZ | VSE | **UKAZ** | SIMBOL. | TAK | DIR | IND | RAZ | VSE |
| **ABA** | AB+A |  |  |  |  | 1B |  | **CLRB** | B00 |  |  |  |  | 5F | **ORAA** | AM+A | 8A | 9A | AA | BA |  |
| **ABX** | X00B+X |  |  |  |  | 3A |  | **CLV** | v0 |  |  |  |  | 0A | **ORAB** | BM+B | CA | DA | EA | FA |  |
| **ADCA** | AM+A+C | 89 | 99 | A9 | B9 |  |  | **CMPA** | A-M | 81 | 91 | A1 | B1 |  | **psha** | potisni |  |  |  |  | 36 |
| **ADCB** | BM+B+C | C9 | D9 | E9 | F9 |  |  | **CMPB** | B-M | C1 | D1 | E1 | F1 |  | **pshB** | potisni |  |  |  |  | 37 |
| **ADDA** | AA+M | 8B | 9B | AB | BB |  |  | **COM** | MM |  |  | 63 | 73 |  | **PSHX** | potisni |  |  |  |  | 3C |
| **ADDB** | BB+M | CB | DB | EB | FB |  |  | **COMA** | AA |  |  |  |  | 43 | **pULa** | povleci |  |  |  |  | 32 |
| **ADDD** | DM(M+1)+D | C3 | D3 | E3 | F3 |  |  | **COMB** | BB |  |  |  |  | 53 | **pULB** | povleci |  |  |  |  | 33 |
| **ANDA** | AMA | 84 | 94 | A4 | B4 |  |  | **CPX** | X-M(M+1) | 8C | 9C | AC | BC |  | **PULX** | povleci |  |  |  |  | 38 |
| **ANDB** | BMB | C4 | D4 | E4 | F4 |  |  | **DAA** | BCDBIN |  |  |  |  | 19 | **ROL** | rotacija levo |  |  | 69 | 79 |  |
| **ASL** | pomik levo |  |  | 68 | 78 |  |  | **DEC** | MM-1 |  |  | 6A | 7A |  | **ROLA** | rotacija levo |  |  |  |  | 49 |
| **ASLA** | pomik levo |  |  |  |  | 48 |  | **DECA** | AA-1 |  |  |  |  | 4A | **ROLB** | rotacija levo |  |  |  |  | 59 |
| **ASLB** | pomik levo |  |  |  |  | 58 |  | **DECB** | BB-1 |  |  |  |  | 5A | **ROR** | rot. desno |  |  | 66 | 76 |  |
| **ASLD** | pomik levo |  |  |  |  | 05 |  | **DES** | SPSP-1 |  |  |  | 34 |  | **RORA** | rot. desno |  |  |  |  | 46 |
| **ASR** | pomik desno |  |  | 67 | 77 |  |  | **DEX** | XX-1 |  |  |  | 09 |  | **RORB** | rot. desno |  |  |  |  | 56 |
| **ASRA** | pomik desno |  |  |  |  | 47 |  | **EORA** | AAM | 88 | 98 | A8 | B8 |  | **RTI** | vrnitev |  |  |  |  | 3B |
| **ASRB** | pomik desno |  |  |  |  | 57 |  | **EORB** | BBM | C8 | D8 | E8 | F8 |  | **RTS** | vrnitev |  |  |  |  | 39 |
| **BCC** | (C=0) |  |  |  |  |  | 24 | **INC** | F |  |  | 6C | 7C |  | **SBA** | AA-B |  |  |  |  | 10 |
| **BCS** | (C=1) |  |  |  |  |  | 25 | **INCA** | AA+1 |  |  |  |  | 4C | **SBCA** | A A -M- C | 82 | 92 | A2 | B2 |  |
| **BEQ** | (z=1) |  |  |  |  |  | 27 | **INCB** | BB+1 |  |  |  |  | 5C | **SBCB** | B B -M- C | C2 | D2 | E2 | F2 |  |
| **BGE** | (NV=0) |  |  |  |  |  | 2C | **INS** | SPSP+1 |  |  |  |  | 31 | **SEC** | C1 |  |  |  |  | 0D |
| **BGT** | (Z+NV=0) |  |  |  |  |  | 2E | **INX** | XX+1 |  |  |  |  | 08 | **SEI** | I1 |  |  |  |  | 0F |
| **BHI** | (C+Z=0) |  |  |  |  |  | 22 | **JMP** | skok |  |  | 6E | 7E |  | **SEV** | V1 |  |  |  |  | 0B |
| **BHS** | (C=0) |  |  |  |  |  | 24 | **JSR** | skok |  | 9D | AD | BD |  | **STAA** | mA |  | 97 | A7 | B7 |  |
| **BITA** | MA | 85 | 95 | A5 | B5 |  |  | **LDAA** | AM | 86 | 96 | A6 | B6 |  | **STAB** | mB |  | D7 | E7 | F7 |  |
| **BITB** | MB | C5 | D5 | E5 | F5 |  |  | **LDAB** | BM | C6 | D6 | E6 | F6 |  | **STD** | m(M+1)D |  | DD | ED | FD |  |
| **BLE** | (Z+NV=1) |  |  |  |  |  | 2F | **LDD** | DM(M+1) | CC | DC | EC | FC |  | **STS** | M (M+1)SP |  | 9F | AF | BF |  |
| **BLO** | (C=1) |  |  |  |  |  | 25 | **LDS** | sM(M+1) | 8E | 9E | AE | BE |  | **STX** | M(M+1)X |  | DF | EF | FF |  |
| **BLS** | (C+Z=1) |  |  |  |  |  | 23 | **LDX** | XM(M+1) | CE | DE | EE | FE |  | **SUBA** | AA-M | 80 | 90 | A0 | B0 |  |
| **BLT** | (NV=1) |  |  |  |  |  | 2D | **LSL** | pomik levo |  |  | 68 | 78 |  | **SUBB** | BB-M | C0 | D0 | E0 | F0 |  |
| **BMI** | (N=1) |  |  |  |  |  | 2B | **LSLA** | pomik levo |  |  |  |  | 48 | **SUBD** | DD-M(M+1) | 83 | 93 | A3 | B3 |  |
| **BNE** | (Z=0) |  |  |  |  |  | 26 | **LSLB** | pomik levo |  |  |  |  | 58 | **SWI** | prekinitev |  |  |  |  | 3F |
| **BPL** | (N=0) |  |  |  |  |  | 2A | **LSLD** | pomik levo |  |  |  |  | 05 | **TAB** | BA |  |  |  |  | 16 |
| **BRA** | (None) |  |  |  |  |  | 20 | **LSR** | pomik desno |  |  | 64 | 74 |  | **TAP** | CCRA |  |  |  |  | 06 |
| **BRN** | (None) |  |  |  |  |  | 21 | **LSRA** | pomik desno |  |  |  |  | 44 | **TBA** | AB |  |  |  |  | 17 |
| **BSR** | (None) |  |  |  |  |  | 8D | **LSRB** | pomik desno |  |  |  |  | 54 | **TPA** | ACCR |  |  |  |  | 07 |
| **BVC** | (V=0) |  |  |  |  |  | 28 | **LSRD** | pomik desno |  |  |  |  | 04 | **TST** | M-00 |  |  | 6D | 7D |  |
| **BVS** | (V=1) |  |  |  |  |  | 29 | **MUL** | DAB |  |  |  |  | 3D | **TSTA** | A-00 |  |  |  |  | 4D |
| **CBA** | A-B |  |  |  |  | 11 |  | **NEG** | M00-M |  |  | 60 | 70 |  | **TSTB** | B-00 |  |  |  |  | 5D |
| **CLC** | C0 |  |  |  |  | 0C |  | **NEGA** | A00-A |  |  |  |  | 40 | **TSX** | x sp+1 |  |  |  |  | 30 |
| **CLI** | I0 |  |  |  |  | 0E |  | **NEGB** | B00-B |  |  |  |  | 50 | **TXS** | SPX-1 |  |  |  |  | 35 |
| **CLR** | M00 |  |  | 6F | 7F |  |  | **NOP** | nič |  |  |  |  | 01 | **WAI** | čakaj |  |  |  |  | 3E |
| **CLRA** | A00 |  |  |  |  | 4F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |