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| Дијаграм тока  микрооперација | Дијаграм тока  микрооперација | Секвенца управљачких сигнала |
| PSWandFETCH  **FETCH**  0  1 | PSWandFETCH  **FETCH**  0  1 | step00  br(if notPSWSTandFETCH then step00) |
| MAR15..0 <= PC15..0  PC15..0 <= PC15..0 + 1 | ldMAR, incPC | step01  ldMAR, incPC |
| MDR7..0 <= MEM[MAR]  FCBUS  0  1 | ldMDR, rdMEM  FCBUS  0  1 | step02  ldMDR, rdMEM, br(if not FCBUS then step02) |
| IR31..24 <= MDR7..0 | ldIR31..24 | step03  ldIR31..24 |
| gropr  1  0  **FETCH** | gropr  1  0  **FETCH** | step04  br(if gropr then step00) |
| bezadr1  1  0  **EXEC** | bezadr1  1  0  **EXEC** | step05  br(if bezadr1 then step12) |
| MAR15..0 <= PC15..0  PC15..0 <= PC15..0 + 1 | ldMAR, incPC | step06  ldMAR, incPC |
| MDR7..0 <= MEM[MAR]  FCBUS  0  1 | ldMDR, rdMEM  FCBUS  0  1 | step07  ldMDR, rdMEM, br(if not FCBUS then step07) |
| IR23..16 <= MDR7..0  branch2  1  0  **EXEC** | ldIR23..16  branch2  1  0  **EXEC** | step08  ldIR23..16 , br(if branch2 then step12) |
| gradr  1  0  **FETCH** | gradr  1  0  **FETCH** | step09  br(if gradr then step00) |
| adr2  1  0  **ADDR** | adr2  1  0  **ADDR** | step 0A  br(if adr2 then step11) |
| MAR15..0 <= PC15..0  PC15..0 <= PC15..0 + 1 | ldMAR, incPC | step0B  ldMAR, incPC |
| MDR7..0 <= MEM[MAR]  FCBUS  0  1 | ldMDR, rdMEM  FCBUS  0  1 | step0C  ldMDR, rdMEM, br(if not FCBUS then step0C) |
| IR15..8 <= MDR7..0  jmp3  1  0  **EXEC** | ldIR15..8  jmp3  1  0  **EXEC** | step0D  ldIR15..8, br(if jmp3 then step12) |
| MAR15..0 <= PC15..0  PC15..0 <= PC15..0 + 1 | ldMAR, incPC | step0E  ldMAR, incPC |
| MDR7..0 <= MEM[MAR]  FCBUS  0  1 | ldMDR, rdMEM  FCBUS  0  1 | step0F  ldMDR, rdMEM, br(if not FCBUS then step0F) |
| IR7..0 <= MDR7..0  ADDR | ldIR7..0  ADDR | step10  ldIR7..0 |
| FETCH <= 0, ADDR <= 1  **FETCH**  ADDR | clFETCH, stADDR  **FETCH**  ADDR | step11  clFETCH, stADDR, br step00 |
| FETCH <= 0, EXEC <= 1  **FETCH**  EXEC | clFETCH,stEXEC  **FETCH**  EXEC | step12  clFETCH,stEXEC, br step00 |

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| Име и презиме | | Индекс | Потпис | Пројекат | |
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| Назив  Основи рачунарске технике 2 | | | | Датум | Страна |