1/20+ * A. in: LOAD RAIS (RS)
12: ADD R6, R1, R3. - processor al 5 névelle, instr. dependente popur depandents lo RA

D Th : IE ID ALW MEM WB

Sai: IE ID - FLW MEM WB avent ref. la finde MEM Pt. ga instr. e LOAD. BU MAM WAR O'S FI : 16 (d Jai JF JO - ALO MEM WB B. J. ADD RAIRGIRY 9a: LOAD Pag, 9 (RA) 80 HEM WA OI II IIC (0 Ja: PID - AW MEM WR b) Shi IT ID ALU MEM WB WB IT IT IN MEM WB

Dar Ja: LD RS, (R1) Door over advise indicat, val. reg. in Aus mu me inheres ex door in MEH Nov. of Hadin mom de la adressa per de por K= KCi-4] + W L= YCj+5] XOR R M= K HOL Pb 85 Toma Di, Rj, DR, RL, RM in: SUB RijRi#4 Ja: LOAD RK) (Ri) J3: ADD RR, Rh, #12 J4: ADB RJ, Rg, #5 35: LOAD RL, (4) YO: XOR RL, RL, RR JT: PR RM, RK, RL Gtof dependente RAW

2.

Oimstr.zom cidu 1-NOP-2-NOP-3-4-NOP-5-NOP-6-NOP-4 11 -TIF TO ALD HEM A1: [15/10 WAW MB] MEM WB DS=1 12 cicli N14,2,5,3,6,7 2 ordine execute secus optimization C) Deorganish fort forwarding! 1-4-2-5-3-NOP-6-NOP-4 godli 2 opposent to 1 dex: YA TIT TO MEN WB W D MEMJUB Ja! BUMBY CAR O but proosed ore smirt J: IF - a forwarding -) 105-0 => 4 oili infimitate de registri generali sputen notin miste strebright

8. J.: 400 P.11 P.2, #15

J.: ADD P.3, P.4, #14

J.3: ADD P.5, P.3, P.1

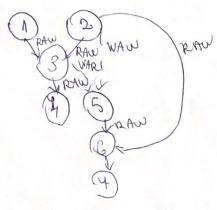
J.4: ADD P.6, P.5, #1.2.

J.5: ADD P.3, P.4, #3

J.6: ADD P.3, P.4, #3

J.4: ADD P.3, P.3, #14

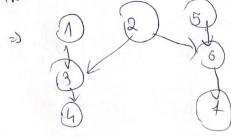
- toute dependentale



a) DS=1 -NOP-3-NOP-4-5/6-NOP-4

D: M oduri

pace am a infinitale de reg. pot redenumi registrii zi mo moi am depandendo woru, who



J 12, 5, 3, 6, 4, 7.

D 2= 1