## Sersió 12 ex.1,2,3 + 2) a) 109.0.3+2(109.0.1)=5.108 accessors B) load A (1) a) puch D (b) Tore = N·CPI; 8= 109.2.5 = 1.109 H2 = 16 H2 gub. B puels c glove R gula lood C C) 1.75.10° inst. d) g= 1.75.10°. 12 = 0.85 10° Hz = 0.85 6Hz push B gula D ruse A store try e) Cisc: Iguga = 10A sulo RISC: Iguga = 8A lood R dire C = 50mF C=40MF dira tryp rugh C Fruga = 10A.1V=1020 store R Pfuga = 84.14= 8 W gerlo Pam= 50.109 F. 12.10= lood c 109A R Pcom = 40.109.12.8.4.108 = 33.605 sub R = 50 W Protol = 41.625 sorce R Protel=6025 E=P+=41.6.2.5=104J E=P. t=6025.2.54=150J 8) Guary = 1505 = 1.44 - (1.44-1).100=44.23% g) 8 = 1.5.109.1.3 = 0.78.109 Hz h) Rodal = 8 W+ (40.10-9 F. 12. 7.8.108 He) = 39.2 W/ E= 39.2 W. 2.5 = 98 J Guary = 150J/98J = 1.53 -> (1.53-1).100 = 53.06% morel 1:00 + \$0 3) a) mosel \$0, 1,000 aga: engl \$1000000, xeel Cog: Compl \$1000000, 1.00x fge fin ge fin load xook -x morel x, Youx load x. 201 - V[x.00x.4] inull V(, eex, 4), xeex insell 1. eax -1. cox +1. col addl yeax, suma lood 1.102 - seuma ind year addl x 102 - x 702 + x.cox guy loop store suma + 1,02 addl year + year + \$1 c) 1.3 usper/ade - 10000001 (egras jup loop (b) instruccions = 1000000 · 7 + 1 = 7000001 dinamiques = 7692,309 cicles lindmique = 1000000 · 10 + 1 = 10000001 CPI = 7.692.309 c = 1.0989 c/i d) Texe = N·CPI = 7.000.001.1.0989 = 2.56.10-38 e) Tomany copie = 6. M = 66 B // Tomany Codi x86 = 44 B 8) Nº bytes Obgits = 44 Bytes · 106 = 44MB / Ample de = 44MB / 2.57.10-3 = 17.12 6B/8 8) 10.10 6 usper. 6B= 60MB // Ample de Bonda = 44 MB/2,57.103 = 17.12 6B/S a) Exerce caché ugre = (1m3 + 10m5) · 7 · 106 = 77 · 10-35 = 77 mJ E and cadré ugre = (1mJ+1mJ). 7.10= 14.10-3J = 18mJ Gerong = 77.10-3 = 5.5