Subject: ~ Sheet 6 5 (11) word address = 8 bit Cache = 16 byte n. blocks = 16 = 4 blocks tag block offset (a) what is the hit ratio ?! OX66. Ollo WOM 0x 89: 1011 1001 M 0x 17 : 0001 ell M OX 60 : 1110,0000 M 0 × 45; 000 110 MM 0x4/12 0100 1111H ox so : old ogro My oxgl: lool a gol M OX AB: lolo loco MM OXA9: Jolo Lool H OXAB: Jolo Loll HM OXAD: lala Halm 0X93: 1001 0011 HM M solo look - Nexo Bo > 11/0 , old solool By post polosto B2) lot) lolo B3 -> 0/10 -> 0/00 -> 10/0 i hit ration whit out of to accesses - 4 % -28.6% (b) what memory block will be in the cache after the last address has been accessed? Bo, with tag look Contain: 0xgo, 0xg1, 0xgz, 0xg3 B1, - - 1001 ~ : 0×94,0×95,0×96,0×97 B21 - 1010 - : 0XA8, 0XA9, 0XAR, 0XA8. B3: - - 1010 - : OXAC, OXAE, OXAE

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Subject: « Vittual memory extended policy lesse tried the ai margory Eron leat be tried margory Processord 200 operating system 16 8 jap RAM 119 55 3 untual memory it disk shore be all But RAM Int UGB = RAM 119 6GB & Program 11 d con-(LS) 6GB pg RAMJI ~ L 3 last Por Borating sys) là 16 95 (miraise stro et of 900 118 mg M 3 C les UGB que pro RAM 11 Jest 2 Virtual address / logical address. .1> 2011 ~ [address]1 Frames Ilvo 2 52 Few main memory 11-~ virtual frame Size : Page Size writing 112 Page & 30 sou Page table: main. D'é prome Rill 29 ja Urtaal memory I valid bit Fram gnysical memory. Grand Sodeled ! Paging.

Subject : ____ Date: * Process of size 8 byte, Page size or byte. Atted us = nof Pages = 800 4 Pages stud Ce , d 2 Virtual address - Page offset Frame offset Physical address subsallarend * Page fault valid bits o. ex: Virtual address = 8 K, Physical address small uk Page size = 1k = 624 = 210 : nof Pages = 18K : 23 + 210 Vintual address Page of feet n. of frames - UK = 24x 210 Physical address frame offset Frame Gila logical address. Mololololl 2 -Physical address N 2200 61)0101010011 ol :(1) frame Nûpl, Page (5) 11 ~ 1 5

Date : Subject : ____ ex (20) in sheet (6) and 9 000 10 0000 n. of Pages - 8 Page , Page site: by te. Virtual Size = \$4 23 x 26 s 29 byte. Vintual address bits gbits who butte - Physical memory sizes 22 x 26 = 28 byte. n. of frames not bits of Physical address = 18 bit 1 0x00 = 100000 0000 Physical address 0 X 44 0 0 000 0 000 000 000 0X (2 01)00 0010 0000 0010 0X 80 0 1000 0000 9enerate Page baytt. - Physical address 1) ?