Epjaorypio 11 1

11.1:

teff= thit + miss-rection thiss-penelly = 1 +0,025+40 = 2 2200 poros

11.2:

- a) 1.000.000 # 4,3 = 1.300.000 bitlo: polo proj
- B) 25% load, 15% store, 1.000.000 evzolis, 1,3 CPI

Tur Icache aux puzzit 1.000.000 dopis ous sineu tem or

0,25 + 1.000.000 +0,15 + 1.000.000 = 250.000 + 150.000 = 400.000

reportedaisses da toire u touti Mrim Deache avriororxa ren 400.000 evrolis

8) 1.000.000 # 0,02 = 20.000 a'croxel reportisheires Ber taive y (cache.

400.000 \$ 0,05 = 20.000 à 670xES TROOTILLA'GES Da taves y Dearche.

- 5) (40.000 +16) (Icache ton Deache) = 640.000 xapières
- (1 cache) 20.000 + 16 = 320.000 3 (1) (D cache) 20.000 + 16 = 320.000
- E) 1.300.000 + 640.000 = 1,940.000 arro to (a) 1.300.000 der to
- 02) To CPI einen 1940000/10000000
- 5) $\frac{4\pi\rho a}{1}$ = $\frac{4.94}{1,3}$ = 1,492 Salasi 49,2% consists pos a $\frac{1}{1}$ Savies.

· 4000000 /8 · 232 - 2

is 12 MB (blocks)

· 64 rB/8 = 211 = 2(13)

H terepitai paipa exe 20170 2 29 Dioes (Ms 6145) To 32 bits xweijovæn ore A

H 1904 pripa exec 201700 213 0000 060ELS To index Elou 13 bits (LS bit) To tag viva ro unidorno, 16.6+1

2 = 2 16 A : 321 / blocks and Expras printers mos autorijoras our idra Ocion and kiprad pripus.

Enady exorte 216 kan oza tag ozezijezen belis exorte 216 Siadopezike blocks nou anerkovijovan ozav iSia dion mis poutris printers.

or)

| 700 77 56 96 | 2 6 | Acroxia Acroxia |
|-----------------------|-----|--|
| 26 26 | 6 | |
| 36 | | Aozoxia |
| | 0 . | Aozonia |
| 46 | 3 | Aozonia |
| 60 | 7 . | AGTORIA |
| 25 | 5 | Auroxia |
| 400 | 1 | Eugroxie |
| 80 | 4 | |
| 96 | | Accoxia Euocoxia |
| 72 | 0 | The state of the s |
| 52 | 2 | Eustoria |
| 76 | 5 | EUOTOXIA |
| | 3 | Euocoxia |
| 104 | 2 | Autoria |
| 80 | 7 | EUGZOXIA |
| 100 | 1 | |
| 80 | 4 | EUGTORIS |
| 52 96 | 5 | FUOTOXIA |
| 84 | 0 | EUOTOXIA |
| 100 | 5 | Aocoxia |
| 80 | 4 | Euoroxia Euoroxia |
| 52 | 5 | Acroxia |
| 108 | 3 | Aoroxia |
| 404 | 2 | Euroxia |
| 60 | 7 | (voroxia |
| 56 | 6 | Euronia |
| 108 | 3 | EUORXIA |
| 76 | 3 | Joronia |
| 52 | 5 | fuoroxia |
| 96 | 0 | Euroxia |
| 76 | . 3 | EUDIOXIA |
| 56 | 6 | EUDIOXIO |
| 100 | 1 | Euroxia |
| 60 | 7 | EUOTO ×ig |
| 52 | 5 | EUGENIA |
| 104 | 2 | |
| 64 | 0 | Asia |
| 60 | 7 | Eucroxia |
| 76 | 3 | Guoraxia |

B) Aucoxes Einen 14

14 -> ποσοσεο 55% αστοχίας

5) deff = duit + missratro+ miss-peralty = 1 + 0,35 + 5 = 2,75 missor opsios xpoios apoorishaeous. 4) H expra primps raigne exter 16 blocks can Magnetic

primps & Dioes siper example 16 => 14 tags

8) (3) accoxic) = 0,375 /37,5% ποσοστό αστρχιών.

(2) 21 hits don 19 miss

· 52,5% Eiven to hit

· \$7,5% civen to miss

ME to barropro/ mportogram pigedos block:

24 miss ton 49 hits

· 52,5% siver to miss

· 47,5% siver to hit

Apar to block pl ta 8 Bytes siven talvitipo oto mapaida fre auto.

teffective = 1+ 0,475 +6 =3,85

3) ex 11-62-trace-txt

B) (COCCOCO txt 11.6 b

11.7: To mososto Eustoxias siven 0% (hit /0%)

· Allajoveas to two-way naparapis o'es to Index example to bit has to morooto evotoxias tipa eiven so% (hit/50%)

Frati pe un touti primper são spojour anost kuidran oco L Set ten to 0 ten to 32 ten oco això set ten to 8 ten to 40. Emoprimos. però ten monta pris, oxes o, aixes moro teloioses da siven hit.