数量级 GMK m u n
10° 9 6 3 -3 -6 -9 FAT-File allocation tuble Filerame Firse blode 5.7e Metadata: over, last open Inpole #Block FATIZ GATIO GAT32 12 pointes X - filo metadata. # Next Block 12 hit 16 hit 78 bit 1 Boot | FSINFO | RESERVED | FAT 1/2 | ROUT | FILES direct polities 46B Blocks up to 48/13 (1024 polites - 1,2,3 levels byte 1st Filerenne / 0 x00 or 0x es usel. x 4(cs Block) 4MB 02 0-0 46B @ 3 remaining other of the name (7+3) 4713 @ 4 1-10 file attribute recol only I hidden 17-(1 12 X 2x $2^{x} - 8$ locle size Reservel + 2×/4 x2x ローロ Creation and access time info. 13-19 4-32 6:25 +(2×/4)2×2× high 2 byte of the first duster W-21 + (2 /41 x2x write time into-W-15 76-27 low shyle of first clusper 0-1 file type and permission 2-3 (New 21) 28-31 file size (232 = 46-1) 47 lower 32 bit of file size in hyles big little o AoBocoo 8-23 Time hypor log file name LPN 24-15 Goup 20 aloa op 76-27 l.hk aut. 041/013 De byle 40-87 12 divect block 80-9 1 Jevel a+2/00 0-0 Sequen Number CH3 OD OA 92-95 2 — 1-10 file name chav. (5) 96-99 \$6-4 or with File cuttribute (UXO)2) 18-111 upper 32 sit of the file size 11-11 0x40 12-12 re senel Dir entry 13-13 check sum 0-3 inode number 14-25 name (6) 4.5 longth of entry. 6-6 leger of the new. 7-7 fle expe 26-27 fesered. 28-31 name (2) 8+ MCII Neme. (255)

1n 一石更纯接、 You-4男子还有 In 一分新链接。7m-4名4沿3 NTFS New 7ech - File system B - Tree bind addr Ocompile time goo & load time Unix "Id" 3) execution time dynamic lib MMU = Memory management unit Base and bound cons! Straff Sognentation: Code, Data, stack Page tuble (each process have one) Nog Offsee => [R-pg offsee.] cons, big to store. multi-level-page table. Cache [compulsory, Capacity, Conflict, Cohorence] Bandwidth = $\frac{n}{S+\frac{n}{B}} = \frac{B}{1+\frac{B\cdot S}{N}}$ Areage Access time S- start up Averge Access time = hit vote xhit time & Miss rate & miss time "Cylinder - track - sector TLB "Translation lookside Buffer" Tag linder block see TLB 在 content switch 后声明.3 Synchronous exception - trap.
Asynchronous exception Direct Mappell 2 byte oache. Tag / Index / Soloct.

entry index. byte in one entry.

N way sol associative. fully Associative. Write through / Buffer. Page Replace none Policies. FIFO / MIN. Random LRU Second-chance [FIFU+LIZU] Trashing 知時 一個数. VMA. - Direct memory Access User program > Kernel I/O Subsystom Device Driver Top halp -> Device Drivor Bottom half -> Device nardware latency (n) = Str Seek time, lotation time, transfer time Disk lateray = Queue + Controller + seelc + Rotation + Xfer litte's Law arriving respons time. NLjobs) = A (jobs) X L(S) M=1/Tservice >=1/Tarrival U = x/u = 2. Tsorico Tg = Tsor. T-u N=1-a 新椒. Lg: N. Tg. Tsys = 79+ Tsov.