FIFO) mabifile (charr mame, combut shell 15 ((expr)) regex Ston - imped is in the (B) VIRTUAL; a) paged -proc thread with fout - create forenwrite file int made) - urtual addresses are one more data command -executes an o waiting fort - append to existing the complete pipe gonnated in Als form of command and replaces (page, offet), each full-write black write all it with the popult of made a resource bu data is relod - spaced proc Ras a table of pages O. NECLAY anto of the small of DL Albert exclusion is held by quetter [0-34-5][0-9] addrew: offst+ pf *din -pog shift -shift arouments - line beginning, 5- and of line Ir Hu ho b) sigmented: cade + detta has chow to turk - >/ whin acurey revolutes. \$# - argc, 50 - argv The moan to the seg. is -maymal => wait condrolled by the OS, -prices much most be. the seg. can be runtived STATES OF A DA. signetts grouped in TOJUEL AY => JULIAN *- Our more appointions UNIX-interactive, time Stack a per which wants prizes mild not be related sharing, multi-user, multi-+- Lor more apparation for another tasking: KERNEZ - mudum/could me) STATES OF A PROCESS 3. Non-pramption: ?- 0 prs apporation Hold Theody 2 Run of the (sutiled from author resources counst de 15 - Hank character program) Usaded at Alu PC startup Moleu" 6) wait 15 (abc)-group, /-or System CAL: Kernel mode to of fragmenting 4. Euroular wait wor made for access to c) paged + segmented 1 - create prod, 2-get cou, SOLUTION TO DE 946) - q (quit) -reliest - pick a wie · segments are ducated disk, notwork, water mem 3-relian cpu, 4 move on C: doar me de limit KERNET MODE = Swel O protection USER MODE = Swel 3 we more virtual disk, rulian CPU, 5-iloga V; only those not matching wait for recovers, 6- op. DETECTION OF DE the proc. has a still hiver + the line no. of refrecto, each of row 5 done, free disk graf : 0 proc, ores. protection space dallocate memory, luels 1, i = servicu has a table of pages -r: recurring - is held by , -- > is two 8-rubax CPU, fru mim, -1: case insustine LOADING POLICIES FILE TYPES | regular cycle = , deadlock distry process PREVENTION OF DE -x: match exactly the Wall pages with beginning directory, hard soft links pick an order for 1 fast acces at runtime entire live FIFO, socket *- free mem. -0: only the part that mad Symbolic Links: In-D and always lock in to Orlow starty PLACEMENT POLICIES Sort - r: voverse Orack target mame C leading page that · how to handle madec? ZOMBIE - PUCCH THE - Schow as the target are not micharily muded FIRST HT: has finished execution Int still have an entre in the price table; his u: uniq Wel directory & fast @ mo attitupt to (2) each page when meded M: compares live can reference ou another control fragmentation sed - f: fran a fle 1 fast startup delete file-points to I disk BEST FIT wait to avoid or before Deading only what is nieded rung. Estow access at time : print | d-delete file that doen't exist Deconauci in thus of Orally: signal (SiGCH) a: append (ofter) HARD LINKS: In target fell large onework areas 56-KN)U nuv i-mode for the same f chunks Alregen / string / flaglood LOCATION PRINCIPLE / the ORPHAN = Still execution - have to Osbawer Ocriates small ariar of fru memory = pages neighbouring the bage that how inthous bound are more likely parent is dead file is deleted only when 8 SCHEDULING ALGO Just are momen twoked if for while = C luks to It OFIRST COME, FIRST SI WORST FIT · BEGIN & 3/END & 3 by he needed in the ROOT (Auperwer): BOSS (2) SHORTEST FIRST: Delaws behind larger NF- no. of fell \$1,\$2 ... future so we load them Owe need to know METODE DE ALOCARE A MEM chunker presuptively () SINGLE TASKING: durations 6 Nower -our migh strogram, to REPLACING POLICIES \$0 - entire luce 3 Onot always right - BUDAY - alway allo F5 - fild uparate trophus how to choose the within to a chunk of the smaller 3 Priority Based ola this one lugth (string) THO: sach Jg. has an age the slow one go first NBU: each Jg. hot buts power of there, greater Ostarvation 2 MULTITASKING: - split (string, array, Mar.) than the required (A) Real: (4) Deadline Schedu Moe; keep lists of free midex (51,52)= strot a) alrolute i) fixed partitions (r.w) that are set to chunds by powers of 2;
The more proces

Lot new and the OS alloc the largest awai Schiduling based the finish time (much to finish for Such -1: lives -w: words; -c-characters Other max die of proc es periodically setting When shows and 5 Round Robin: Shell!/bin/bash then to 0 => classes O program compiled on a distribute the remaintime sharing specific partition neg menory in pour (0,0),(0,1),(1,0),(0,6) -chmod +x the proces are wowin i) partiti relocabile: the of 2 chuliky himultaneously, m that sucuid RU-matrix of NXN, 详 ... ; \$ then ... ; 书 addrings are stoud as (+) speld READY, one is R I war → accus the value Name of post when accuracy by it, him is populated with 1, column - 0; WHIT-suspends the exec b) dymamic partitions: SEMAPHORE (Value for war in ...; do ... done until a child finishes fragmented memory 2 with two operation lary, or a specific one) 975)-wait for pr/A mimous nads to be - unterpreted (spec. chars) compressed (compactata?) EXEC -ruplace the V(5) -pages with the leaver so whole livinge with (whe processes): all of the 14(N(5) 40) - luati la attire or as much as needed for are first to go state(A) z wai 3 wars " = \$ "var 2 4 the given command ou process g(s) FAIAW Pite) pipe (int p[2]) iEXT-inti the elypas etre to sys test-It, -le, -gt, -eg, -ge, - ne La solution: paged pursuit produced test - 2 (string), - no string pan ctrl to A memory 0-read, 1- write goes back to the parlet

CACHE 3 Set Associative Cache How many threads to process at boxt x vends/mules SEMATHORE (value gume) - hash tuble; eache org in 14 files? A: the number of gup-E7 "^[1]+[aeou][1:]x)[m,]:" V(5)-signal for A: avuilable cous (cores of the sets of pages V(5)++ letelame processor) the set of a page is calc as 4(v(s)<=0) page-add / cache ut, therefore do 1/0 up course a grac to Q(s) -B **\([^:]*:)*:)\{4}E^:]*\\ion\> grup -ET 11 B comes through more from State RUN to Wait? iterating through the set A: The proc has to pause itself

of fluibility avoid est while it gets I sends the data through

fluibility avoid est while it gets I sends the data through

the I/O are and it frees the proc m

the mediative Brother procs. an odd me of chans State(B) = Keady grup = "1(") +. \$" a txt pass ctrl to sys. scheduler Mwap mughbourning digits Md-E'SKTO-9/(0-9])/12/1/9 pan ctrl to A How is the address, calculation SIGNAL str a function done in the about fixed rad?
A: printiple prid pail and?
The RAM locations crest. to we called for a curtain signal vernins de may gldal Process Vs. Thread of trivery 4 P contains one or more ! first prog > first position, first add - lag moning of part *(61) x0527) 54. * | quy t DE TRATIFICE) Dquicker to veate Tr P · does not signal augh Equicker to mutch Mount associate a storage Kun containing a and nots between T device to a particular gry a filewant | gry v ! 5 digits (+) T share data early location in the directory Emo security between of Emul blocky = all T AXBYC=A int dup (int dier Weli) if (azzo) { int dup (int devele. in that P block open ("X", a ROONLY); int d-nous) UNIQ)- c: counts open (" 2", 0-WRONLY), u: displays Read la FIFO: water unte UNIX filmystem Structure 4 (6:20) ., X,4 there is no proc open 4(0220)...2,4 Content for writing or until there Boot block) is data; returns the 2 sets of 4 us (4 sets of 2 read data or o if ya Super block at least 3 vowels Immode proe to vorite grup- = ^(.*[aciou] [3].* \$ blocks int open (chark name, 100 4 rules that specify the no of rys int flag, [int rights]) +018 Data blocks O_RDONLY, O_WRONLY, *- 05 O RAWR, O- APPEND, Dakuid of map for. 3-0/1 - CREAT, O_TRUNC, Inj - n times FOR I-NODES | addr O_ NOELAY (FIFO) -1-10: for the first 10 Fifo for Andry; proc? read/write (handle, so wait write a prog speas the blocked of 512 bytes of buff, mr-bytes) -M: indoucture simple WAIT - RUN? every open pupe - AON'T (the next 128 blocks don the s prograw loadled of 512 bytes) ut mem waity Hard-link louly in the name 12: udirectare dubla for cpu (Os schodu) partition - when creating a undecide) (128 * 512) hard link . the 05 deates a -13 indirectore Triple RUN - WAIT new directory sectory that (126 * 512) (BIA) m s additional cond. points to the existing imale of CACHE 1 Airect Cache file; it works startling in the same partitions le. stone the page in location the mode is unique in page-addi /. cache_ size Alat part; Alu Os cannot fast & simple to the adily parts. @ cache trashing (collingry) because part have unique (2) Associative Cache place each page on unodes within them. a free location found through sterating flu cache Nais