/ (woot) It Default Variables_ Lome bin usus . F-USER, & PATIH #cd ~ - Thome/uses user pikache cd/ ->/ currently logged-in # cd a/bl---= Co /home/--absolute path, welative path, always staist from w.v.t pud A cd .. -> PARENT Solder, not back At cd .. /c > Goto pavent, then 'c' folder in them ls ,-l -> detailed into of the files switch ·filename -> hidden file Folden Size > Folden Gor Foogr files Frence our for info arenes ZA) Or sire 1- 100000 Contentat size at 1 # mkdivo 1905 (001..120) -> coneate directories

mkdivo 1905 (001..120) -> coneate directories

mkdivo 1905 (001..120) -> coneate directories = mkdin 1905 (001..120) - {A..Z} = 1905

= mk din (P) submission create directory as needed = cp = vo submission copy-loc copt all subdirectories

files & subdirectories

secursively

recursively

recursively

recursively

recursively

recursively

recursively roe cursively nemove all files & subdirectives # Now (copy-loc directory to vernove -> delete if present, ignore otherwise, thus don't show # lom of filename.ext envous. 1905 {001.010} copy-check/code3.c # mr. submission/code.c sne dortherame tet venameme tet firal filename file to be wenamed

* txt -> delete all text files # lom * code.c -> all files with code.c

prefix deleted. 10 m * -> Current folder-12 IN 01102 12 m War delete DOTA THAT BOST, Tile delete 20, folden delete Dista - P Meller > toggle between prid and immediate proevious divectory. =# pushd/bin/X11 > push cursivent folders onto

Accursive a stack and, "cd" to the

fasks folders "/bin/X11" # popd -> "cd" to the top-of-the-stack # divs -> to see the stack, atthough it always shows pwd no natter whether stack exists/not. Permission Read (v) # Entity Users Owners (11) Write (W) Group (Linux-a REHERDER OWNER)

WERE FACTOR GROUP STOT

OTHERS (-ENTITATE HERE)

OTHERS (-ENTITATE HERE) Escente (20) others (-OTA)TO ounce (0)



file execute -> out file-12 road excess 27277 wead and Alla, "x" permission या ज्यानीय man प्राची स्वित जा। thought e FP filename.ext
entity permission # superuser of good "sudo" command use THE ATI Linux install 20010 WHAT THE USER -> Superusers. # whoami -> shows currently logged-in users # vimovi, nano -> edit files by opening in terminal # sudo usendel -va pikachu - Jetiete all files foldens eneated in "/home/pikachu" as well as "pikachu" # head -n 5 file.txt -> show first to lines of file. txt # ls directory | sont output of this end Input

of this

cmd

Trap -> System calls fault Trap vs Interrupt [Timers, I/o] # ecall -> Mode switch > external # Fault -> Freva Memory - & ori mor zir. auto-generated -> Or facous took with with which 1 arto-modefied > User -> Machine -> Kennel # [usys. S], asys. pl, trap.c) syccall. cottnampoline. S. syscall. h, user. h sysfile.c sysphoc.c # ao régisters La stones return values file-an Landlew - Win Danord issues, one commits arbir Aport And add declaration of this new proc.c, defs.h function here add a new Function that I regart to call from process-related functions syscall.c > nonwally

+ OS-12 Empor variable Apropor Global 355)

1 ja

DI Heuristic Functions:

The cost of an optimal solution to a "nelaxed problem" is an admissible heuristic for the original problem.

> Constraints are relaxed

[End of "Informed Search"]

CSE314

24/06/2023

3 cpus in av6. Keep Make sure that a later locking mechanism is prossent so that data is not consupted for multiple cpus.

How does OS start?

Wentry. S -> Wstart.c -> k/main.c

cpv-0) dayson force grow call go, convert Stanted=1 2000, In the meantimes cpv-1 & 2 Stanted=1 2000, In memory idle. Stanted=1 2000 cpv-1 & 2 cotons cpv-1 & 2 cotons specific init 2000,

alobal variable togget for lock-ONTER! LANGENT CHOPE initialization function reports initialize AT RA! [In Kmain.e] void procivit() -> waste Process Table init Tos. [k/proc.c] ivitlock (...); Void userimit() -> Setup first user processo burning ONLY in CPU-0 [K[proc.c] 11 allocate a process 11 estalla brocest- Cit Hommy Page table 27760 5 Got grant init 1 2016-12 "users, eller saben givegand eus." // 518 woot 66/19, 62180 stant ----, i nit code, ----

$O(\Omega)$
off line
pooc.h
proc storect
- mor willer solar Bala Cha-Esten Color (money
f por midles solar lader character solar broces
proc. c
On De Tallacous
- lock acquires do 5th, release lock [allocpuo
Process state set AT
state wend APAT
- New process weste / child process cocate
allocproc() fork()
- Process end 26st some cleanup > exit()
CPU-start EDIEN WHAT AROUGHMENT ticks
-1 tick = 0.1s
- tickslock acquires read ticks, release bole
- gasmar ag
Include check, "extern" a declaration
1 Carry
connect files,
analysect sequence

Multiple CPU-TONER CASIS TOTALINE ON THE TIGOTO STORE FORT THE MIGHT CASIS TOTALES TO I AND SEQUENCE TO SO A 102160 280 1