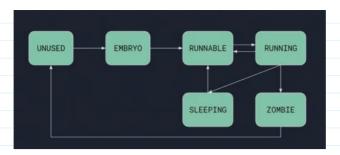
PROCESI I RASPOREDIVAC

NA OS- U MOZENO MATI VISE PROCESA (A I PARAJELNO) ·PROGRAM SA SUIM SUDDIM PODICHA FADLOUM U MEMORUDI CINI JEDAN PROCES DON, PRISTUP SE MNOGO EFIKASNIDI 1 BOLI ZA KORSNIKA TIKOUI TRADAN,A OT - DELTA DEOLOG PROCESA 0.6 - XUG "HOŽE" DA RADI SA VISE PROCESORA - TIKOUI-JEONICA VREMENA NA MATICUOS PLOCI - DA BISE OMOGUĆILO ONO "CIJEPKANE" PROCESA I NASTANLANE MONAND PA PORSTINO SCHEDULER RASPOREDIVAL XUG MOLE ON IMA MAX GY AKTIUNA PROCESA STRUCTURA PROC OPISUDE AKTIUNI PROCES enum procstate { UNUSED, EMBRYO, SLEEPING, RUNNABLE, RUNNING, ZOMBIE };

CONTEXT SLUŽI ZA PAMOENE NAPRETKA JEDNOS PROCESA





U XVG

UNUSED - PROCES KODI UDPŠTE NIDE PRI UPOTREBI

AKD ZA NEKI PROCES IMAMO PROCESTATE [UNUSED], TO

ZNAČI PA U NIZU OD 64 PROCESA ZA XV6, MOŽEMO

DA GA ZAMIDENIMO SA NEKIM DRUGIM PROCESOM

EMORPO - NAGLAŠAVAMO DA ĆEMO PROCES DA KORISTMO

RUNNABL ZONNING, PRELAZIMO IZ DEDUDE U DRUGI

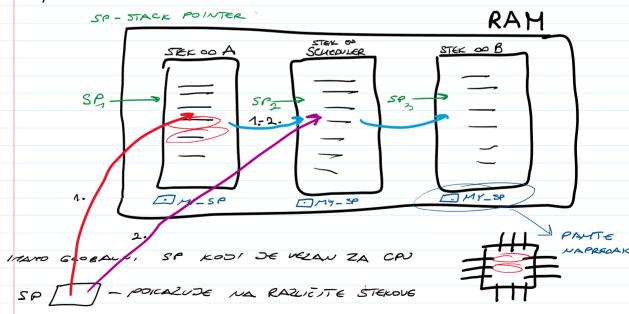
- SCHOOLER KORISTI, ROWD ROBIN ALGORITAM KROZ NIZ PROCESA

- exit() FUNICIDA STAKA RUNNING PROCES U ZOMBIE STANJE

- SUI PROES, U XUG IMADU PARENT-CHILD OPNOSE.

- U TOJ HIDERARHIDI PRUI PROCES JESTE ZAPRAVO

INIT PROCES POSLISE/ISPOD NEGA DE SUELL PROCES



TRAP METODA SE LIANDLER SUM PREKIDA

Context switch

* void swtch(struct context **old, struct context *new);

* Save the current registers on the stack, creating

* a struct context, and save its address in *old.

* Switch stacks to new and pop previously-saved registers.

.globl swtch
swtch:

mov/ 4(%asp), Keax
movl 8(%asp), Xeax

* Save old callee-saved registers
pushl Kebp
pushl Xebx
pushl Xebx
pushl Xebx
pushl Xesi
pushl Xesi
pushl Xedx

* Switch stacks
movl %adx, %asp

* Load new callee-saved registers
popl %adi
popl %adi
popl %edx
popl %edx
popl %edx
popl %edx
popl %edx
popl %ebx

"POO ZUACIMA MALORA DA SE TELEPORTUSEM"

PAUZA - III

1:26:00

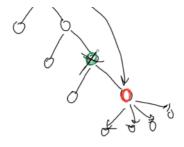
14:208: Veibe 10 5.4.2023. (rafedurs)

```
initc

int
main(void)
{
    int pid, spid;
    if(petpid() != 1){
        fprintf(2, "init: already running\n");
        exit();
    }

    if(open("/dev/console", 0_MEMA() < 0){
        sknod("/dev/console", 1, 1);
        open("/dev/console", 0_BOMA();
    }

    dup(0); // stdout
    dup(0); // stdout
    for(;;)[
        printf("init: starting sh\n");
        pid = fork();
        if(pid < 0);</pre>
```



Exit funkcija mnogo bitna

```
dup(0); // stdout
dup(0); // stdout
dup(0); // stdour

for(;;){\( \)
    printf("init: starting sh\n");
    pid = fork();
    if(pid < 0);
        printf("init: fork failed\n");
        exit();
    if(pid = 0){\( \)
        exec("/bin/sh", argv);
        printf("init: exec sh failed\n");
        exit();
    }
    while((upid-wait()) >= 0 && upid != pid)
    printf("zoubie!\n");
}
```