tire de execute (thread) px+hread - biblioteca unix examen > seadlock - concurrenta inche procese > Avan about processe & along returne , P, & P2, respectiv, R&R2. Gahema Seachlock > P<sub>2</sub> = R<sub>1</sub> / Astempto dupa T<sub>2</sub> \*/ > procesele sunt du store P<sub>2</sub> = R<sub>1</sub> / Astempto dupa T<sub>1</sub> \*/ sleeping, in asteptore S.O. Alege usual dintre procese con victima (jese an cool at retur -1, eroare: ESEADLOX) - resursele lui sunt eliberate Onterl' de alegere: - en finctse de resurse consumate Il alegen la mobinist pe cel cu "costul" cel mas mis Seadlock - pook for alrect saw inchreck P1 = P2 = P3 = P4 = - = Pm 4 - P1 direct: - care particular pt == 2.

Metode de prevenire

- daçà procesul sus sucui are merore de resursa sa o
cliberere invedicat

## · Problème charce de concurrente

Producator Consumator

depris velt date produce a citat

depris velt date produce a citat

circular

prod-prod det

Cous - Coerenna

una cupa

cealalla datele

Prod - 16 so fée invante cous.

Prod - ast in strata de briffer
plan
cous. - ast in strata de briffer
eous. - ast in strata de Suffer

Seuce buse comple = N. Seriaphose mutex = 1; typedet int semaphone; con or anyap # 1 200 cocets - a sence foor "/ makeup (produces). count -- ) then = remove - item (item); // soot obni buffer ( ( ) dags (0== kinos) \$: while (true) int item () som en mor paron מס נבחל נסחשה וחבו). if (count == ) count ++; insent - Hustitum); 1/50me in buffer if (count == N) (1 buffer plin Hem = pachece - Hemly. while (true) ind stem ; void producer () ind count =0; 1 cate clau. 5-cm proches & sout in toutte 

Semaphore full =0;