Today (3/7) - Handout @ Front: Take one now! (Feel free to get for those near you) _ [2 pile 5!/ Condition Variables (cv) -1 Classic Problem (=> Fork/Join (Side #1 of Handout) =) Bounded Buffer

(Side #2) "Solution" 2: No Lock why broken? Parent: creates child checks if done = = 0 No interrupted yes Child : done = 1 signal // no waiter Parent: usits (forever) No State Variable: Solution 4: 2 auestions 1) order of lines

in child: matter?

Z) how to wast for M children?

Bounded Buffer or

Producer/(on sumer

Queue

I or more 'producer'

threads

or more "consumer"
threads

P. Queue PC,

workers

shared data structure locks Neeged) extra regmt: bounded queue fixed size) example: unix pipe grep for file producer tilletr

 $numfull = \emptyset$ useptr ¥3 (runnable) P P, Pz Py Ps P6 P, Pz P3 CICZCY C5 C6 . . . Myx:1 numfull: 0 0 (1 Mystery:

 $C_{\mathbf{z}}$

P:

what happens
if (1, Cz

run first?

how does that

end poorLY?