	TO DESCRIPTION OF THE PROPERTY
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	operating systems
	oves tion 1
1.	The Bounded Buffer problem
	Tuis prollen deals with a producer and
	consumer reading and writing to a limited
	sized Luffer
	A producer cannot write data when the Luffer
	is full and a consumer connot read
	date when the loffer is empty.
	A simple weit () and signal () syntax can
	solve this with semaphores
2.	The printer spooler problem
	This problem deals with a printer printing out
	files that are queued op.
	A printer must decide to print only one file at
	a time, elle document car write on each other.
	A simple wait () and signal() syntax with
	senaphores can solve this also.

3. The Piving Philosopher prollen

there is a round table with 5 philosophers and 5 tooks in between them. A philosopher can be at 3 states: thinking, hongry and eating.

A philosopher in the thinking state does no thing, nongry: checks it both tooks around him are availle to eat with, eating: viery the 2 tooks.

This resembles processes and requiring chare of resources. This cannot be solved with only semaphores, but can be with monitors

4. The Readers writers problem

this problem is about accessing a data case.

A we can either be a reader or writer. Readers

can just 1006 at data and not modify anything.

writers can modify the data though.

the solution can be done with semaphores alone by maintaining a lock when data is being modified First fit: The memory uses the first on used space that it can fit in

But fit: The memory will a Gree space with

the most span available

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Procesia	15 KB	
25 KB	u) ED	
23.0	40 18 13	worst fit
	NED	2 A
	COKB	Process A 25 KB
Best Fit	UJ€ D	
Pro LESS A	25 KB	
25 kB		