Lecture 28 27 Suprember 2018 1053	let's get stanted!
Modern / Non-spinning look.	Pwn has a trog
muten_lock:	in his Abroat!
m6∨ R6, I	
Test-and-set lock, Ro	Unais to handle proceedings.
7.7 0	4 15 1
J L Done	proceedings.
COLL yield	V
JZ Done CALL yield JMP malen-lock	
Done: RET	
Problem: Intlicent: Scheduler sel	oct s no.
Same prouss again a	210/10 - 2.02 (10 )
SOLVIC Prod 33 again	agen
Design: 1 and 16 maness to Li	locland state
policis so	1.11 1.1
Design: 1 get the process to be and not schiedele un is available	17 II 10 CK
1s available	
1	
- wait	
o' sign!	
- signal	
V	
struct muden	
S	
int locked	
. / .1	
int id } spinlede s	
) Spinious s	
1 1 1 0 1	
muter_lock (muten xm)	muden-unlock (muden sm)
	<u> </u>
( if (m-) locked)	$m \rightarrow locked = 0$
evait (m-71a)	signal (m-7id)
3 m-> locked=1	O .
2 111-2 100 King 1	
moden_lock(m)	
S	mwen-unlock (m)
spin-lock(m-)s)	C
SpW12 (004) (1 ) )	
	soin look (no 20)
while of m-16cked	spin-lock(m-7s)
C TOLKED	m->16clked =0
	m->1681x80 - 0
y release (m-s)	
y release (m -) s )	a signal (m-7id)
	s release (m ->s)
1	J PERROSC (M = 7)
k wait (m->id) sched() spin-lock(m->s)	
sched ()	7
spin-lock(m->s)	
	n n
3	1 2
<u>{</u>	
S	
m-> locked = 1	
re lease (m ->s)	
}	
	muter
	Joll Joll Joll Joll Joll Joll Joll Joll



Jock Dusy try mutes lod( Rolegne mutus\_ Unlocal adoprous signal to wait in wateup gweire Jost. aail (m-719, m-75 add process (m -)id)
unlock(m ->5) this a tricky M. call sched ( ) you will wakeup in spin lock (m ->s) another process! Condition variables based sync. (mutex is one example & uhng. Cond-lock (m)

Spinlock (m -> 5) (bndition)

Spinlock (m-> 5); spin lock (m > s) de spin bok (m > s); a spin bok (m > s); non - sq while (m > id); lock wastern (m > id); lock mass; spin un bok (m > s); spin un bok (m > s); spin un bok (m > s); CVS for spin vnlock (m→s); waterp processes sleaping on this variable. Condition can be generic

1) have all processes executed a - 10 times

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Struct mutes int id;

Spinlock S;

m;

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3) wait till all processes reach an execution pt. etc. etc.

