## 1-4, everything inclass/ notes

disable / arable timer , your interupt

test-and-set(bool Clock) {

bool initial = lock;

lak=true;

return initial;

3

PI:

while(1){

lock=false; { exit section}

····· { remainder Se	ction}
<u> </u>	
,	
PZ:	
3/4 * 1	
while (1) {	
busy	
while (test-and-setllock)); busy wating checking & e.	atry section}
X-; { critical section}	
lock=false; { exit section}	
····· { remainder sec	tion }
}	
(1) mutually exclusive	
(2) deadlock frac	
(3) stavuation free	
(4) low (oupling/dependence	
Can+assume Plox PZ is faster	
software solution pass 3/fail	
try 1:	
inttun=1;	
Coloegin P, 11P2 Wend Erunin parallel	
P,: P <sub>2</sub> :	

while(1) {		while(1) {	
while (tum == 2);	entry	while (turn ==	1);
X++;	Critical	X++;	
t wn=2;	exi+	+ wn=1;	
3	ve warm der	3	
ζ	ζ		
tryZ:			
int cl= 0, cz=0;			
P1:	$P_z$ :		
	•		
while(1) {	h	hile(1) {	a>c>b>d Jeallock
a [C =1;		c CZ=1;	7 0.30
a [cl=1; b While(cz); ent	<i>( y</i>	) While (CI);	
X++, Cvi		X ;	
C1=0; ex		(Z=O;	
3		ζ	
Lovrect/peterson? solution			
int cl= 0, c2=0 will_mit	,		
PI:		P2;	
,			
while(1) {  (   =  ;		while(1){	
/ I !:	<u></u>	LZ=1;	

Will hai	<i>+=</i> 1;	entry	Will mit = 2;
while (cz	ff will_waitzel);	l '	While (C) of will-wait==2);
X++ ',	Lviti	[ [a]	X',
L1=0;	e xi+		LZ=0;
3			3
-			
Semaphore			
Integer			
queve			
wait;	P (-3)		
Signal:	5		