	Solution to diving philosophers
	monther DP
	N. (A. 17)
	erum (THINKING, EATHUNGRY, EATING 3 Hate C53;
	condition self [5];
. Layer	n the expression with the contract of the second of the se
	void pickup (int i) c
	State GJ = HUNGRY;
4	test ui);
	of (Mate Gi)! = RATING) self (1). wait;
	3
. 4	void putaboun (int i) &
	Mate 47 = THINKING;
_ 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	// test left and right neighbours.
	text ((i+4) 7.5):
	text ((i+1)7,5);
	3
	void test=(inti)(
	if ((Make [Li+4) 1/05] ! = EATINH) & &
	(State Ci) = = HUN hry) & f
	(Mate [(i+1) 1.5]!= EATINH)) &
	SPATECIJ = RATINH.
	ter sey (i) signal ();
	3
	3
	initialization-wde()
	for cint i=0; i<5; i+1)
	state Go = THINKING;
	3
100	

7				
9.	counder two concurrently enuning from	lener. Process pt		
	wigh a Matement S. proces P, has	a statement sz.		
	Suppose that we require the statement of is executed			
	"synch" in ruch a way so that there order is maintained and also mention its initial value.			
	Buil	and o		
w	it Crynch dox	1 dn		
R	it (syndy dox while (npre<=0); SI; sync; 3 while ();	socit (nyac);		
	signal (lyne);	39.		
	3 while 1);	0 1510111		
1 3		3 White (1);		
18	gnal (injunc)			
A	syretr;			
2				
#	# System model			
	· Each resource R; has w; instances. · Each process utilizes a resource as follows. -request			
	-un			
	- relian			
#				
	· Mugical exclusion - only one process	call use a resoluce		
	at of a time.			
1,545	Hold and wait - a process holding	at least one server		
	is waiting to acquire additional sero	uses were my other		
	No preemption - a resource can be	results only redunding		
	Circular wait their ability a act	process has completed its		
	by the process holding it, after that · Cipcular wait - their epirts a set of	Po, Pi, Pn 3 of		
	that is held by P. P. is waiting for a resource that is held by P. P. is waiting for a resource that is held by P			
Name a	is held by P	for a resource that		
	1 - 11- and married for	n & Pn for Po.		