The state of the s	
And the second second second	Solution to Readers Writers Problem
And the second s	
Annual Control of Special	Reader We have a devaleuse used by
	Reader & Writer
And the second Statement of the second secon	Readu - only reads the data
	Readur - only reads the data
4	DB.
No. of States of States	
	R-W & Problem R-R & No-problem
the second section of the second	
	N-N

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	Read Count	Page No:
	Ng of readers Ph	buffer Date.
	Int rc = 0;	word Writer (vord) q
	Semaphore mulex = 1;	
minut mark in the or the article part manual particle and the	Semaphore db=1	while (true) <
	209d Reader (vold) (& down(db)5
	Twhele (True) &	00 [00]
	down(mutea)	CS DB
.,	NC+=1	(1) (1)
. Entr		Up (db);
Code		4
7	down(db);	2
,	14. (
	(Up (mutex)	*
-,-	CS DB	*
-,		
70 1 <u>8</u>	(down (mutea)	
	rc=rc-1	`
	if (rc==0) &	
	Up (db)	
- Enst		
- section		
	Process data	
	Y	
	1, 2	
	0 7	
	50 0000 000 000 15 15	Λ Λ
	To synchronize the pr	olden soe use
	semaphores	
4		1

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Page No.: Date,
Lase 1:(R)Reader comes frest rc=01 muten=X01 db=X0
down (muter)
DB R,
For worker
rc=1 muten=1 dle=0 down(db)
db \(-1 \) seg the process gets blocked
Case 2: W_1 comes flest $TC = 01 \qquad mutex = XO \qquad db = XO$
down (db), i db #-1 can't be -ue
sori gets blocked
Case 3: Write-Write problem
when writer w_1 comes down (db) db(1-0) $-11 - 11 - w_2 - 11 - db \neq -1$ so if $gets. blocked$
Case 4:
re=0 x 2 mutex = 19x0 1 db=x.0
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$