Anthony Frazier CSCE311 Homework2 02/27/17

Process (oordination
no 4 (buffer)
Pro Proposition = 2)

Produce nextp wait (empty) wait (empty)

dufter [in] = nextp in = (in+1) &n signal (mutex) signal (full) Drow all after 1 processes consumed

P3 (priority = 1)

wa: + (full)

wa: + (muter)

next p : huffer [out]

out = (out+1) % m

signal (mutex)

signal (empty)

ronsume (next p)

iten O	
itens	
iten 2	
item?	
10	0
00+	0
entry [	4

mudex / 1

Ready Q: PB, PL, P, P3 P2P,

P3: waitfull full: - |

P2: produce nextp (item 6)

wait empty empty: 3

wait mudex mutex=0

item [0] = P2

in = (0+1) 84 = | in=1

gignal mutex mutex=1
gignal full full=0

Pl: produce next p (item!)

wateryty enpty 2

watertey motor= 0

item[i] = Pl

in = (|u|) & in = 2

signal motor motor= 1

3:912/ Full

CONSUME HAM D

P3: vaitmoth modex= 0

nextp: testacout outp= Then 0

out= (0+1)8n = out= 1

Signal autox modex: 1

Signal empty compty= 3

full-1

P3: cont.. naitfull full=0

naitmutax mutax=0

naxtp = buffer[i] naxtp = item)

out=(1+1) &n out=2

gignal notex motex=1

gignal enpty empty=19

consume (idem1)

iten 0 P2
iten 1 P,
iten 2
iten 3

10	2
out	2
empty	4
RII I	0
ustax ]	1