.10

Pro	ble	m 3
		^

- see if lossless: if lossless:

initial state = Si initial state = Sy Output - Seg = 011010

a)	-	0	1
/	_51	52/0	53/0
	_52	5110	54/1
	_53	S6/0	56/1
	54	52/1	53/1
	<u>S5</u>	54/0	55/0
	S6	5511	54/1

Build forwards table:

States	10	2 1
S1 S2 S3 S4 S5 S6 S253 S455 S156 S456	S2,53 S1 S6 S156 S156 S155 S253	S4 S6 S253 S7 S4S6 S253 S5S4 S253S4S5
\$5 \$2535455 \$1565455 \$154565253 \$65253	SIS 455 SIS 135 SIS 351	

1

has

	Construction	
-	it has	
1/25 0/25 1/25 1/25 1/25 24/1	To make the same of the same o	al alas se
0/25 0/25 0/25 0/25 0/25 0/25 0/25 0/25	S253 S457 S457 S457 S455	
52 22 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25	E E E	Sackward to the sackward to th
(9)	25.55 55.55	