



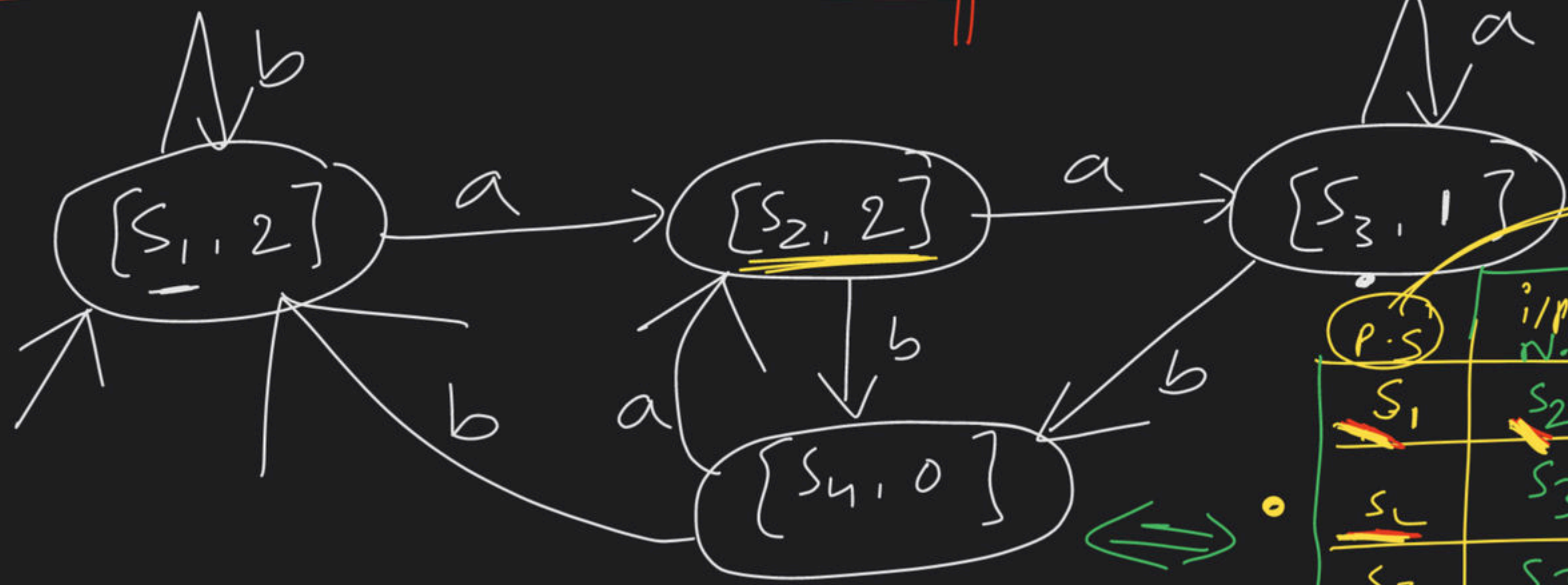
CFG and PDA - III

Complete Course on Theory of Computation

P.S	N.S ^a o/p	N.S ^b o/p
→ S ₁	S ₂ 2	S ₁ 2
S ₂	S ₃ 1	S ₄ 0
S ₃	S ₃ 1	S ₄ 0
S ₄	S ₂ 2	S ₁ 2

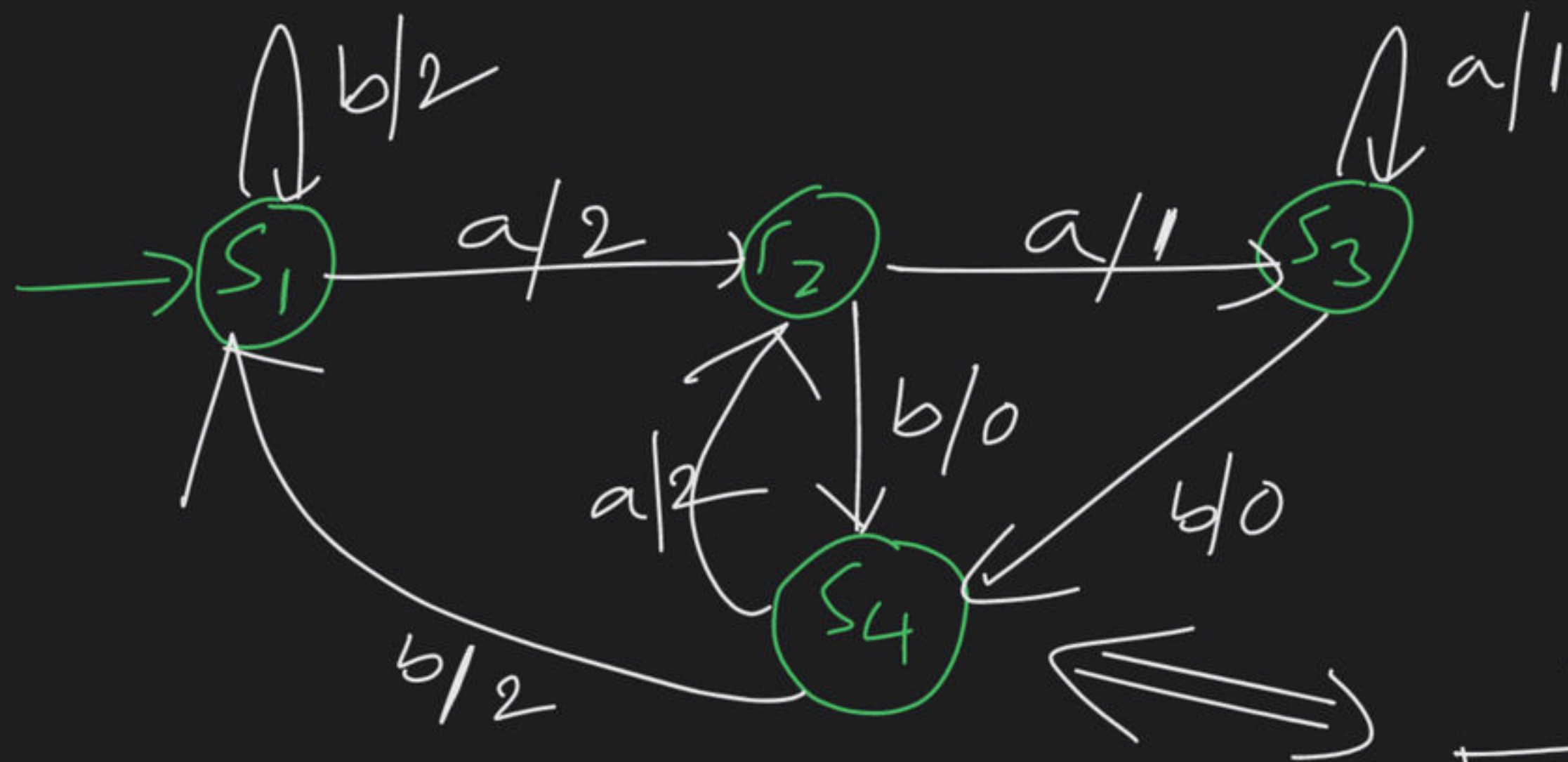
mealy

↑ moore to mealy



P.S	i/p=a N.S	i/p=b N.S	O/P
S ₁	S ₂	S ₁	2
S ₂	S ₃	S ₄	2
S ₃	S ₃	S ₄	1
S ₄	S ₂	S ₁	0

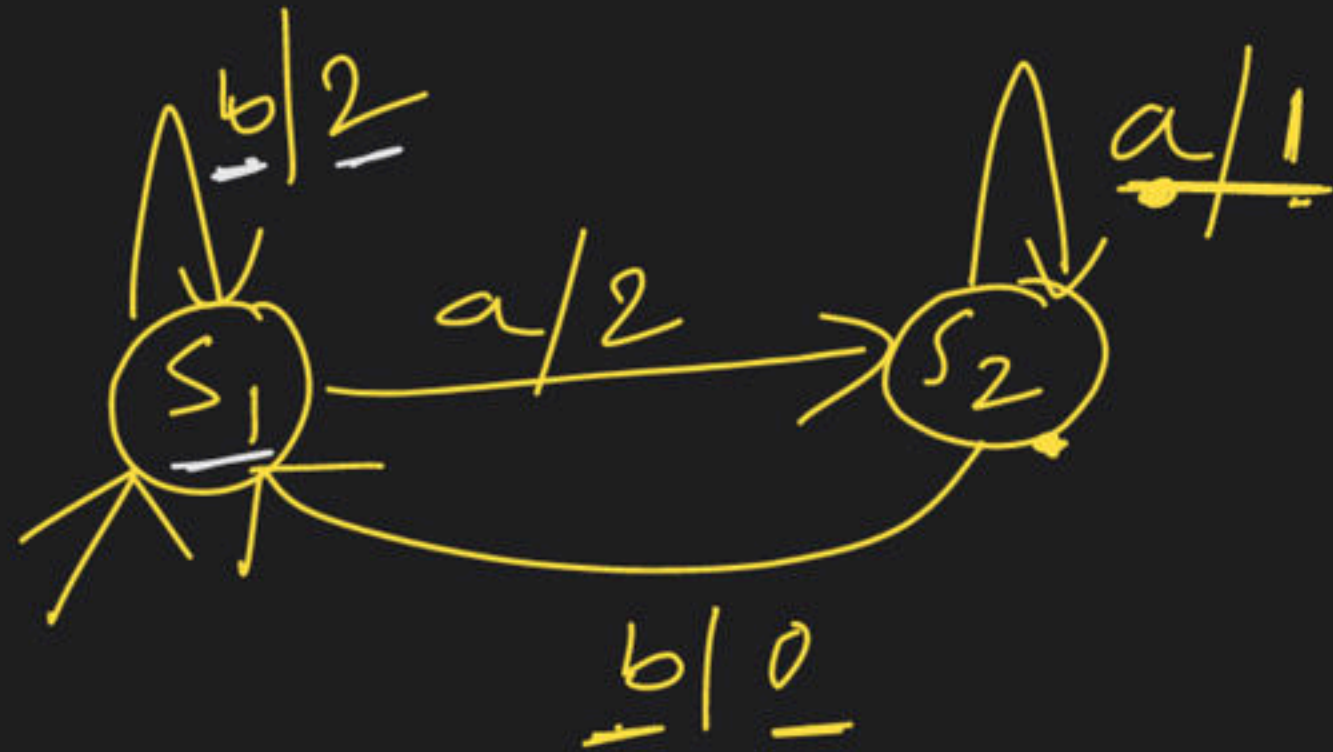
moore to mealy conversion



δ	i/p = a		i/p = b	
	n.s	o/p	n.s	o/p
$\rightarrow S_1$	S_2	2	S_1	2
S_2	S_3	1	S_4	0
S_3	S_3	1	S_4	0
S_4	S_2	2	S_1	2

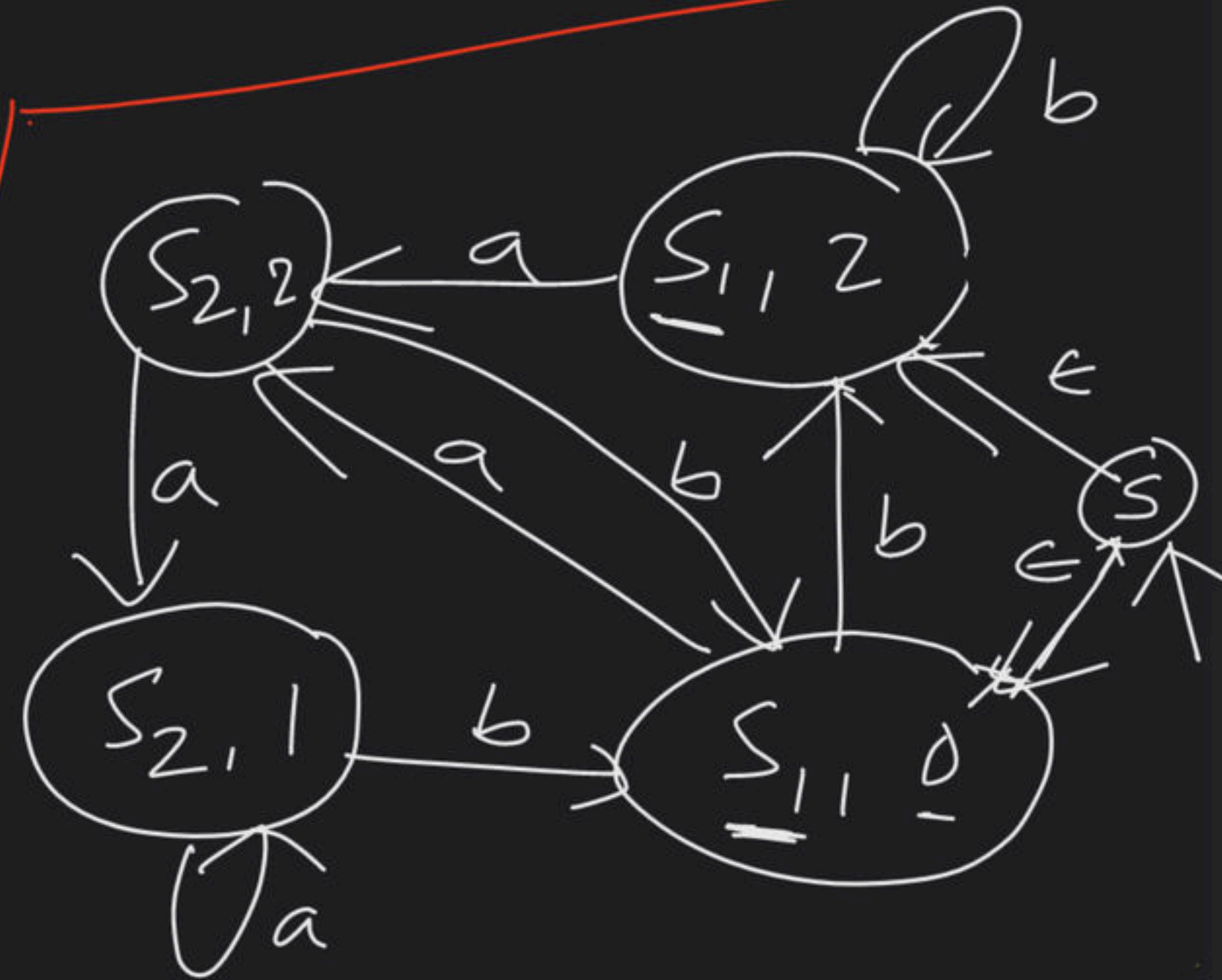
mealy

$5-2 \Rightarrow 6$
o/p - 3



	i = a N o/p	i = b N o/p
<u>S1</u>	S2, 2	S1, 2
<u>S2</u>	S2, 1	S1, 0

moore



m-initialed
↓
Epsilon - make single

2 & 3
max

Thank you

Dedicate Hatz

