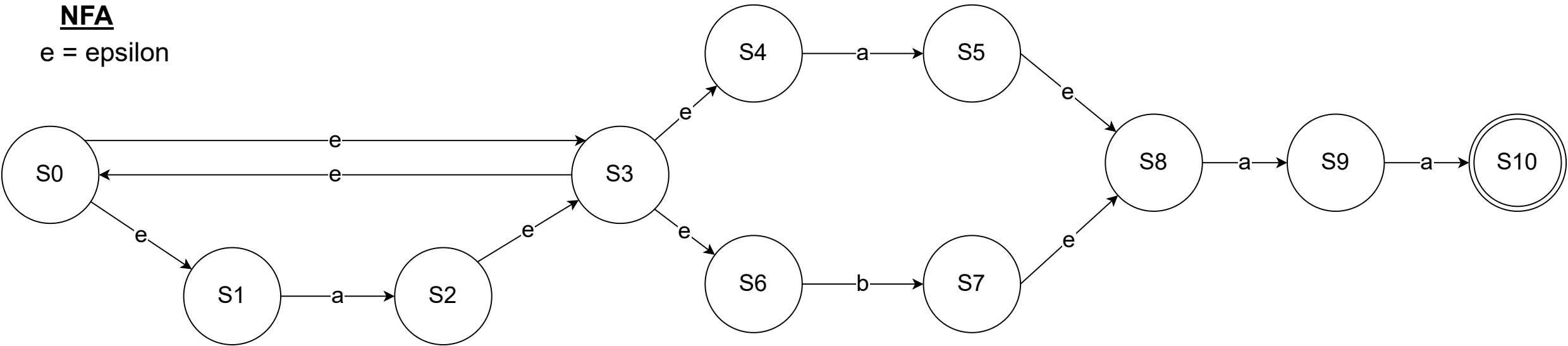


## Regex

$a^*(a|b)aa$

## NFA

e = epsilon



DFA	a	b	NFA
S0	S1 (2,5)	S2 (7)	0,1,3,4,6
S1 (2,5)	S3 (2,5,9)	S2 (7)	0,1,2,3,4,5,6,8
S2 (7)	S4 (9)	∅	7,8
S3 (2,5,9)	S5 (2,5,9,10)	S2 (7)	0,1,2,3,4,5,6,8,9
S4 (9)	S6 (10)	∅	9
S5 (2,5,9,10)	S5 (2,5,9,10)	S2 (7)	0,1,2,3,4,5,6,8,9, <u>10</u>
S6 (10)	∅	∅	<u>10</u>

## DFA

