

# Mini Quiz 5

Name: \_\_\_\_\_

Kerberos: \_\_\_\_\_

Consider the following shift-reduce parser table:

	Action			Goto
State	1	+	\$	X
s0	Shift s4	error	error	Goto s1
s1	error	Shift s2	accept	
s2	Shift s3	error	error	
s3	Reduce $X \rightarrow X + 1$	Reduce $X \rightarrow X + 1$	Reduce $X \rightarrow X + 1$	
s4	Reduce $X \rightarrow 1$	Reduce $X \rightarrow 1$	Reduce $X \rightarrow 1$	

Q: Simulate its operation on the input  $1+1+1\$$  by showing the evolution of the state stack, symbol stack, and remaining string over time.