

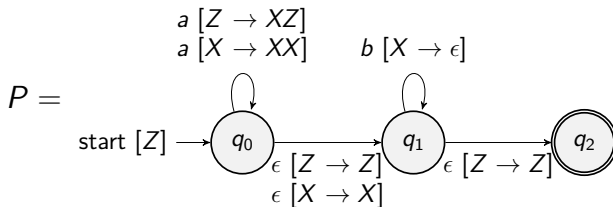
Construct a **PDA** that accepts the language by **final states**:

$$L_F(P) = \{a^n b^n \mid n \geq 0\}$$

Word $w =$ a a a b b b

Stack $\alpha =$

						Z
--	--	--	--	--	--	---



Construct a **PDA** that accepts the language by **final states**:

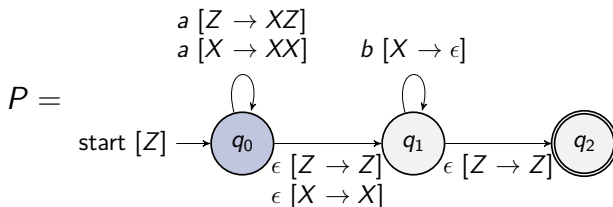
$$L_F(P) = \{a^n b^n \mid n \geq 0\}$$

Word $w =$

a	a	a	b	b	b
---	---	---	---	---	---

Stack $\alpha =$

						Z
--	--	--	--	--	--	---



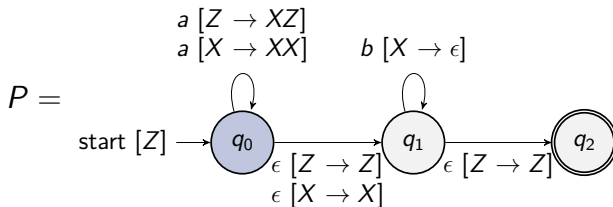
Construct a **PDA** that accepts the language by **final states**:

$$L_F(P) = \{a^n b^n \mid n \geq 0\}$$

Word $w =$ a a a b b b

Stack $\alpha =$

					X	Z
--	--	--	--	--	---	---



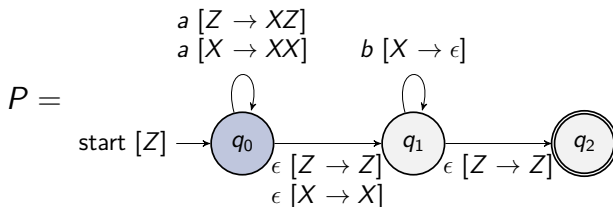
Construct a **PDA** that accepts the language by **final states**:

$$L_F(P) = \{a^n b^n \mid n \geq 0\}$$

Word $w =$ a a a b b b

Stack $\alpha =$

				X	X	Z
--	--	--	--	---	---	---



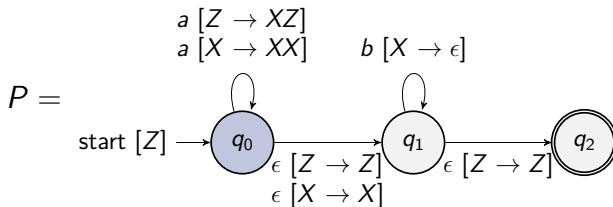
Construct a **PDA** that accepts the language by **final states**:

$$L_F(P) = \{a^n b^n \mid n \geq 0\}$$

Word $w =$ a a a **b** b b

Stack $\alpha =$

			X	X	X	Z
--	--	--	---	---	---	---



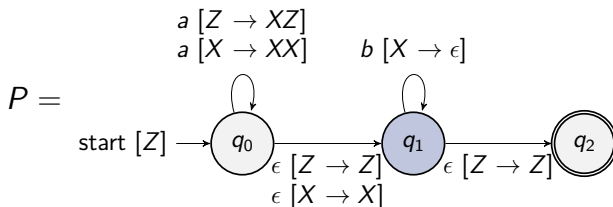
Construct a **PDA** that accepts the language by **final states**:

$$L_F(P) = \{a^n b^n \mid n \geq 0\}$$

Word $w =$ a a a **b** b b

Stack $\alpha =$

			X	X	X	Z
--	--	--	---	---	---	---



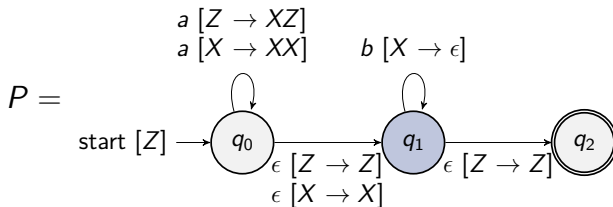
Construct a **PDA** that accepts the language by **final states**:

$$L_F(P) = \{a^n b^n \mid n \geq 0\}$$

Word $w =$ a a a b **b** b

Stack $\alpha =$

				X	X	Z
--	--	--	--	---	---	---



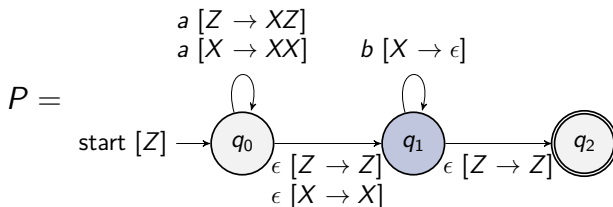
Construct a **PDA** that accepts the language by **final states**:

$$L_F(P) = \{a^n b^n \mid n \geq 0\}$$

Word $w =$ a a a b b **b**

Stack $\alpha =$

					X	Z
--	--	--	--	--	----------	---



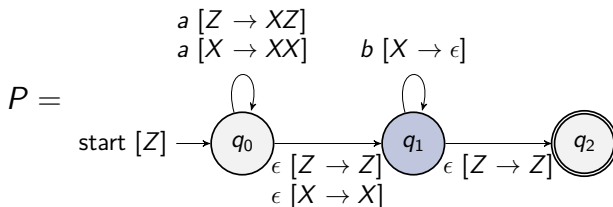
Construct a **PDA** that accepts the language by **final states**:

$$L_F(P) = \{a^n b^n \mid n \geq 0\}$$

Word $w =$ a a a b b b

Stack $\alpha =$

						Z
--	--	--	--	--	--	---



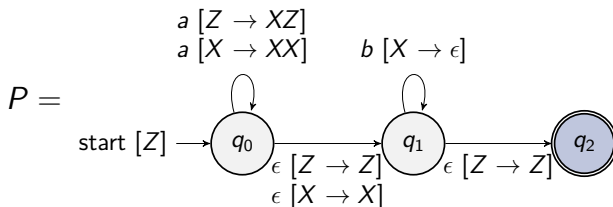
Construct a **PDA** that accepts the language by **final states**:

$$L_F(P) = \{a^n b^n \mid n \geq 0\}$$

Word $w =$ a a a b b b

Stack $\alpha =$

						Z
--	--	--	--	--	--	---



$aaabbb \in L_F(P)!$