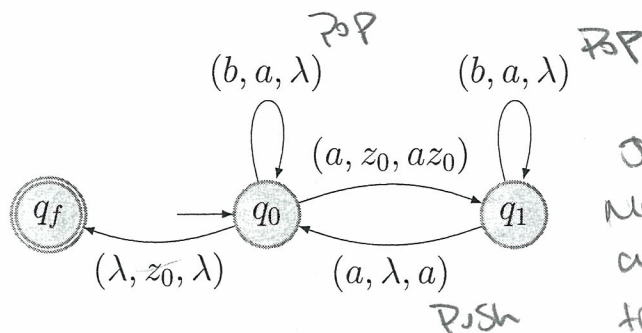


3. Language classification (2 points)

Give the language accepted by the following PDA. Briefly justify.



Justification:
must be alternating
as and bs or nothing since
the stack must be empty.
There can also be two
as followed by.

Test Strings : aable
(abab)*, {abab}ⁱ

$$L = \{ \{abab^i aabb^i\}^i \mid i \geq 0 \}$$

$$\frac{2.2}{2}$$

nice