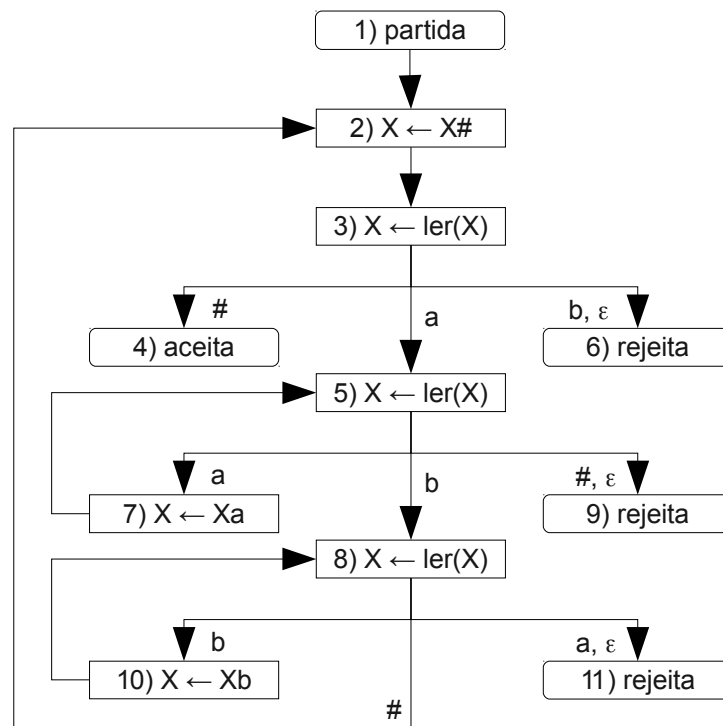


01. [Diverio, 2000] Desenvolver uma máquina de Post, sobre o alfabeto $\{a, b\}$, que verifique o duplo balanceamento da entrada fornecida pelo usuário, ou seja, $D = \{a^n b^n \mid n \geq 0\}$. A seguir, são apresentados alguns exemplos de entradas possíveis de serem fornecidas pelo usuário com seus respectivos resultados.

Entrada – Fila	Saída – Fila	Status
aabb	indiferente	aceita
bbaa	indiferente	rejeita
abab	indiferente	rejeita
ab	indiferente	aceita
ϵ	indiferente	aceita

$M = (\{a, b\}, D, \#)$



- 1)

a	a	b	b
---	---	---	---
- 2)

a	a	b	b	#
---	---	---	---	---
- 3)

a	b	b	#
---	---	---	---

a
- 5)

b	b	#
---	---	---

a
- 7)

b	b	#	a
---	---	---	---
- 5)

b	#	a
---	---	---

b
- 8)

#	a
---	---

b
- 10)

#	a	b
---	---	---
- 8)

a	b
---	---

#
- 2)

a	b	#
---	---	---
- 3)

b	#
---	---

a
- 5)

#

b
- 8)

ϵ

#
- 2)

#

- 3)

ϵ

#
- 4) ACEITA