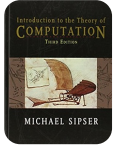


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Exercício 20

Capítulo 1, Página 86



Introduction to the Theory of Computation

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Solução Certificado Solução fornecida há 1 ano

Passo 1

1 de 9

Part a.

In strings in this language all **a**'s (possibly none) come before all **b**'s (possibly none).

Members: **b**, **aaabb**

Not members: **abba**, **ba**

Passo 2

2 de 9

Part b.

Strings in this language begin with **a** and end with **b**.

Members: **aab**, **abbabbbaaab**

Not members: **a**, **ababbaaa**

Passo 3

3 de 9

Part c.

Strings in this language are either just made of **a**'s or only of **b**'s.

Members: **aaaa**, **b**

Not members: **aabab**, **ab**

Passo 4

4 de 9

Part d.

Strings in this language consist only of **a**'s, whose length is divisible by 3.

Members: ϵ , **aaaaaa**

Not members: **a**, **abbaab**

Passo 5

5 de 9

Part e.

Strings in this language contain letters **a**, **b**, **a**, in that order.

Members: **baabbbaa**, **aba**

Not members: **ab**, **bbbaab**

Passo 6

6 de 9

Part f.

There are only two strings in this language.

Members: **aba**, **bab**

Not members: ϵ , **abab**

Passo 7

7 de 9

Part g.

There are only two strings in this language.

Members: **b**, **ab**

Not members: **aba**, **abab**

Passo 8

8 de 9

Part h.

Strings in this language begin either with **a**, **ba** or **bb**.

Members: **b**, **bbabbabba**

Not members: **aab**, **b**

Resultado

9 de 9

We describe each language and give examples of members and not members.

[< Exercício 19](#)**Avaliar esta solução**[Exercício 21 >](#)