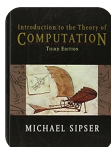


Exercício 3

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We should first notice that our match must start and end with either $\frac{ab}{abab}$ or with $\frac{aa}{a}$. Let's check both options.

If we start with $\frac{ab}{abab}$, next one must be $\frac{ab}{abab}$ again and since we want to stop using this domino since the bottom string is growing, the only next domino can be $\frac{aba}{b}$ and we get $\frac{abababa}{abababbb}$ so the only possible domino to follow is $\frac{b}{a}$ and we use it twice to obtain $\frac{ababababb}{abababbbbaa}$ and now we just continue adding $\frac{aa}{a}$ until strings match.

The final match is:

$$\frac{ab}{abab}, \frac{ab}{abab}, \frac{aba}{b}, \frac{b}{a}, \frac{b}{a}, \frac{aa}{a}, \frac{aa}{a}$$

Resultado

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$$\frac{ab}{abab}, \frac{ab}{abab}, \frac{aba}{b}, \frac{b}{a}, \frac{b}{a}, \frac{aa}{a}, \frac{aa}{a}$$

Avaliar esta solução[< Exercício 2](#)[Exercício 4 >](#)

