

Ejercicio 4.1

$$S \rightarrow SS + | SS * | a$$

$$S \rightarrow SS +$$

$$S \rightarrow SS *$$

Reglas

$$S \rightarrow a$$

$$aa + a * \rightarrow \text{string}$$

a)

$$S \xRightarrow{lm} SS *$$

$$\Rightarrow SS + S *$$

$$\Rightarrow as + s *$$

$$\Rightarrow aa + s *$$

$$\Rightarrow aa + a *$$

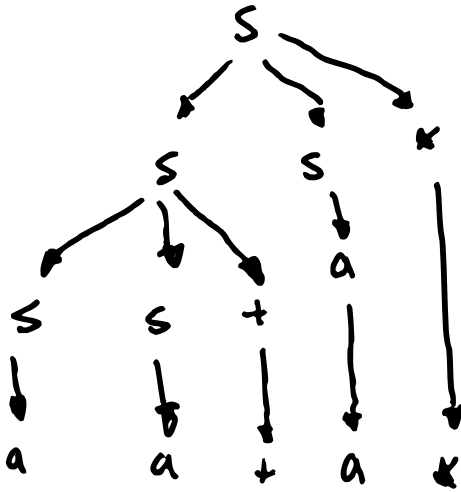
b)

$$S \xRightarrow{rm} SS * \quad \Rightarrow SS + a *$$

$$\Rightarrow sa + a *$$

$$\Rightarrow aa + a *$$

c)



d)

La gramática no es ambigua.