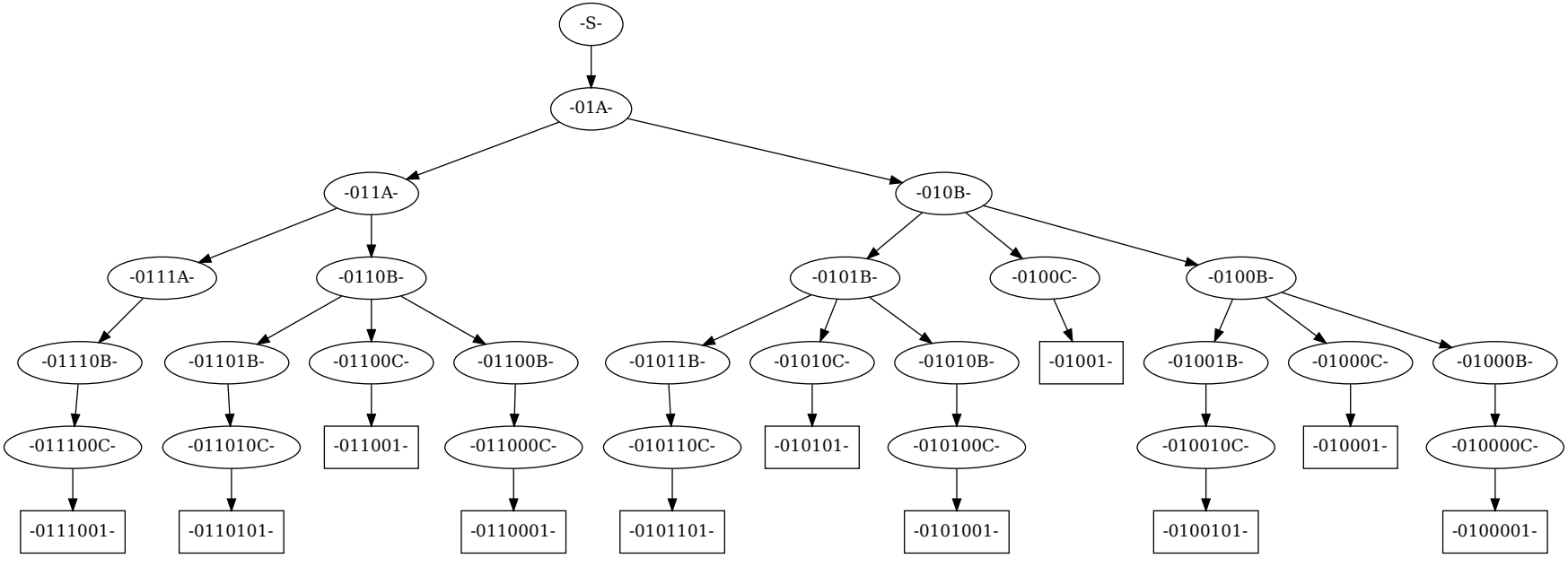
$$G = (\{A, B, C, S\}, \{0, 1\}, P, S)$$

$$\begin{aligned} P = \{ & S \to 01A, \\ & A \to 0B \mid 1A, \\ & B \to 0C \mid 0B \mid 1B, \\ & C \to 1\} \end{aligned}$$