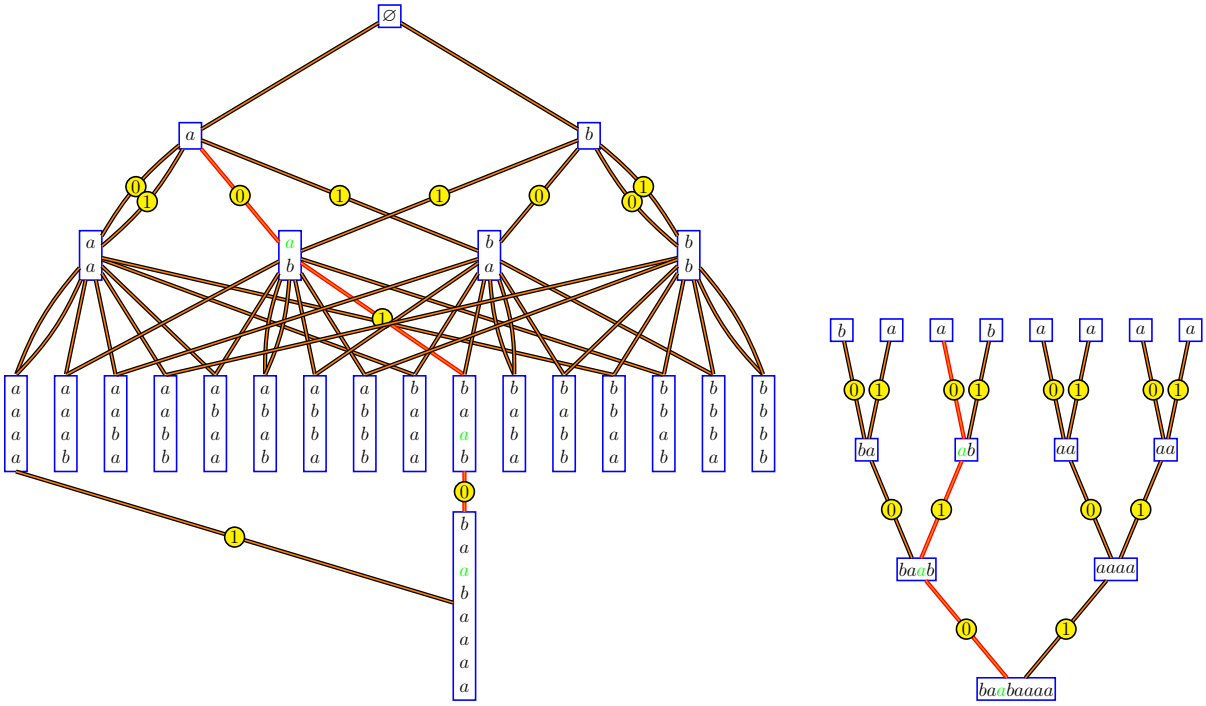
The graph of ordered pairs (Figure 1(a)) is a representation of the set $\{a,b\}^{\mathbb{Z}} \times \{0,1\}^{\mathbb{N}}$.

For example, the path shown in red on Figure 1(a) corresponds to $\ldots baabaaaa\ldots \in \{a,b\}^{\mathbb{Z}}$ (the green letter is the central position) and $(0,1,0,\ldots) \in \{0,1\}^{\mathbb{N}}$.

Figure 1(b) helps to see the action of the adic transformation on this graph. The adic transformation sends $\ldots baabaaaa\ldots$ to $\ldots baabaaaa\ldots$ and $(0,1,0,\ldots)$ to $(1,1,0,\ldots)$. Hence it is the product of the shift and the dyadic odometer.



(a) graph of ordered pairs

(b) paths from the vertex $baabaaaa$

Figure 1: graph of ordered pairs

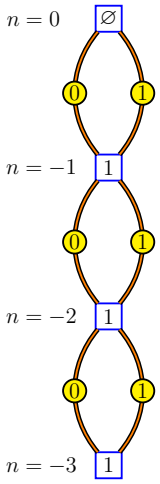


Figure 2: The Bratteli graph of the dyadic odometer