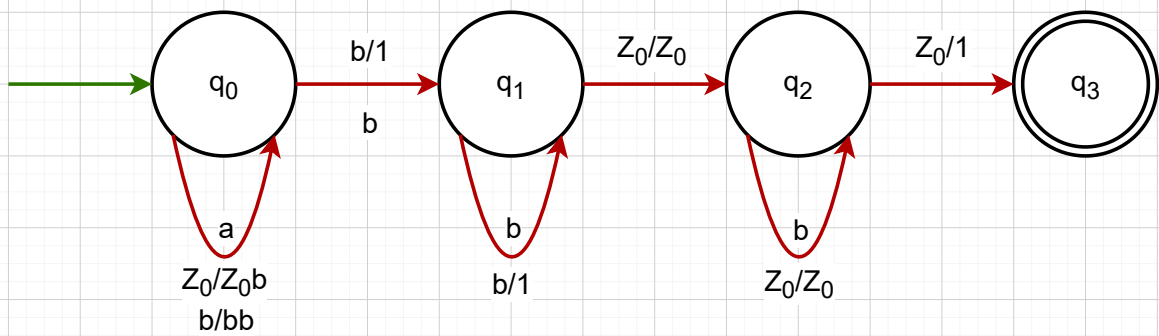


Zadanie 5

d) $L_4 = \{a^n b^m : 1 \leq n \leq m\}$



Zadanie 7

- a) $S \rightarrow aSc | aPc$
 $P \rightarrow bPc | bc$
- b) $S \rightarrow aPb | aSb$
 $P \rightarrow bP | b$
- c) $S \rightarrow aSc | P$
 $P \rightarrow bbbA$
 $A \rightarrow bA | b$
- d) $S \rightarrow abb | aSbb$