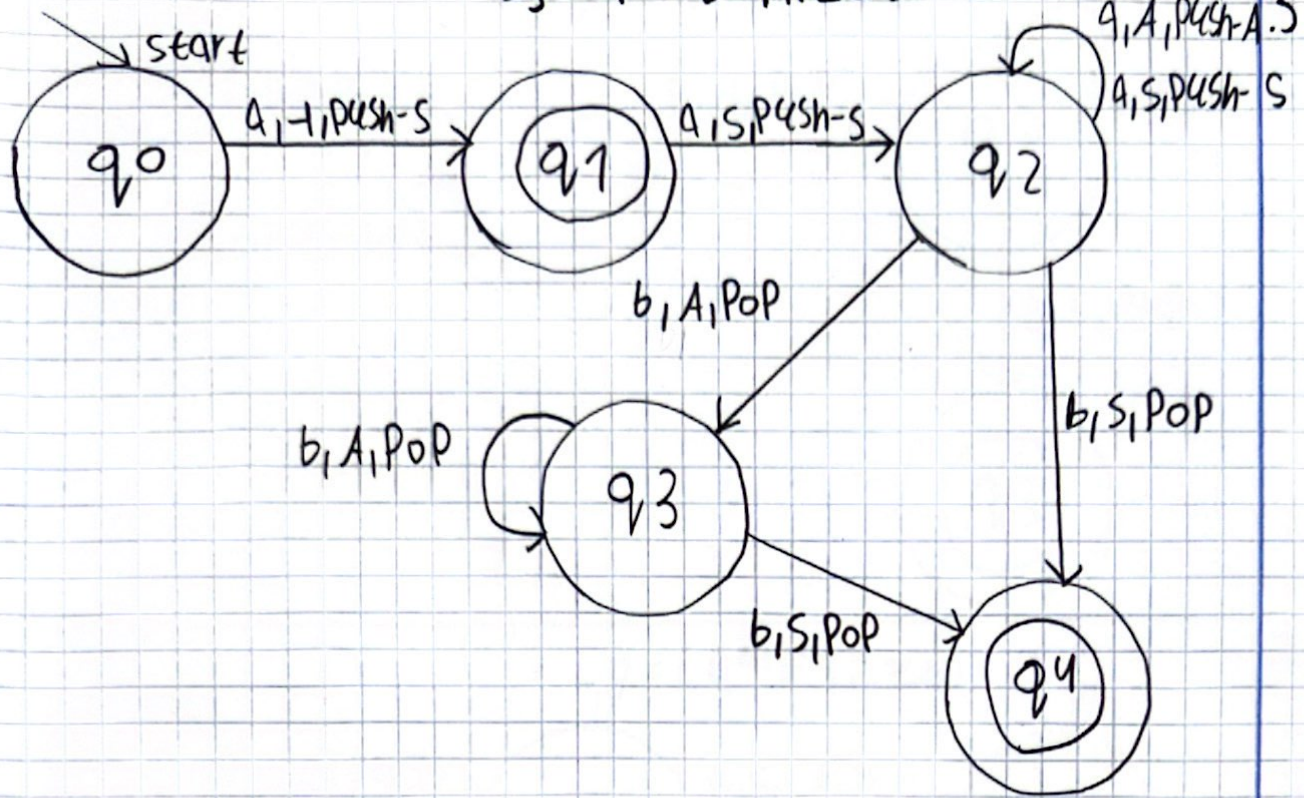
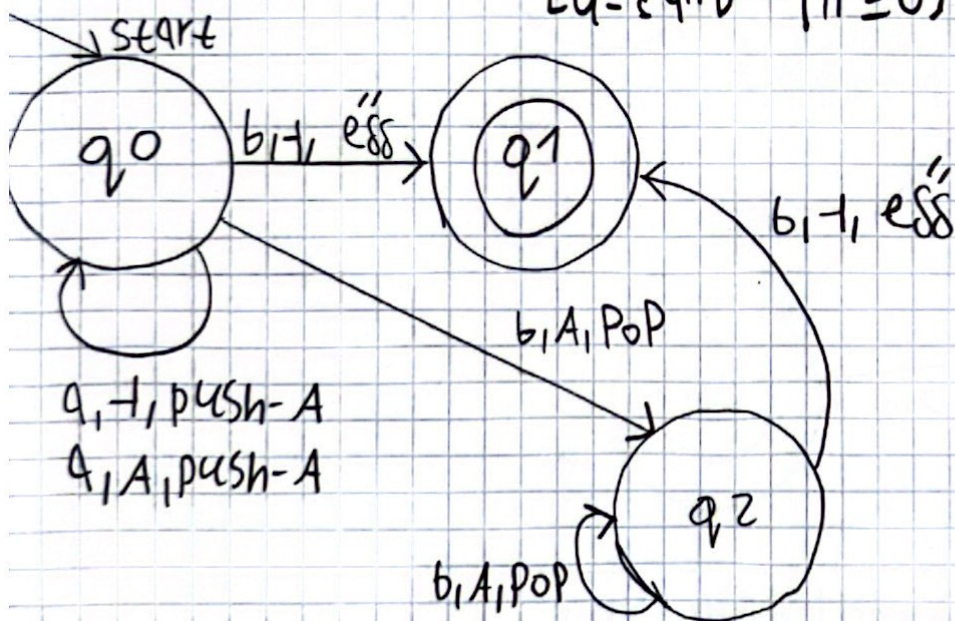


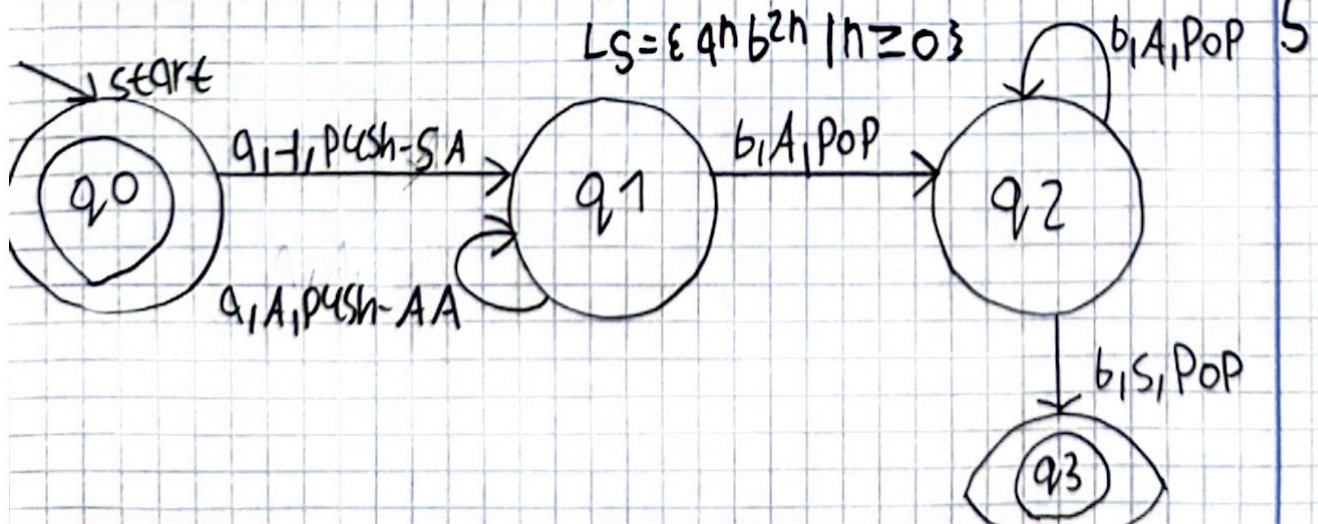
$$L_3 = \{a^n b^{n+1} \mid n \geq 0\}$$



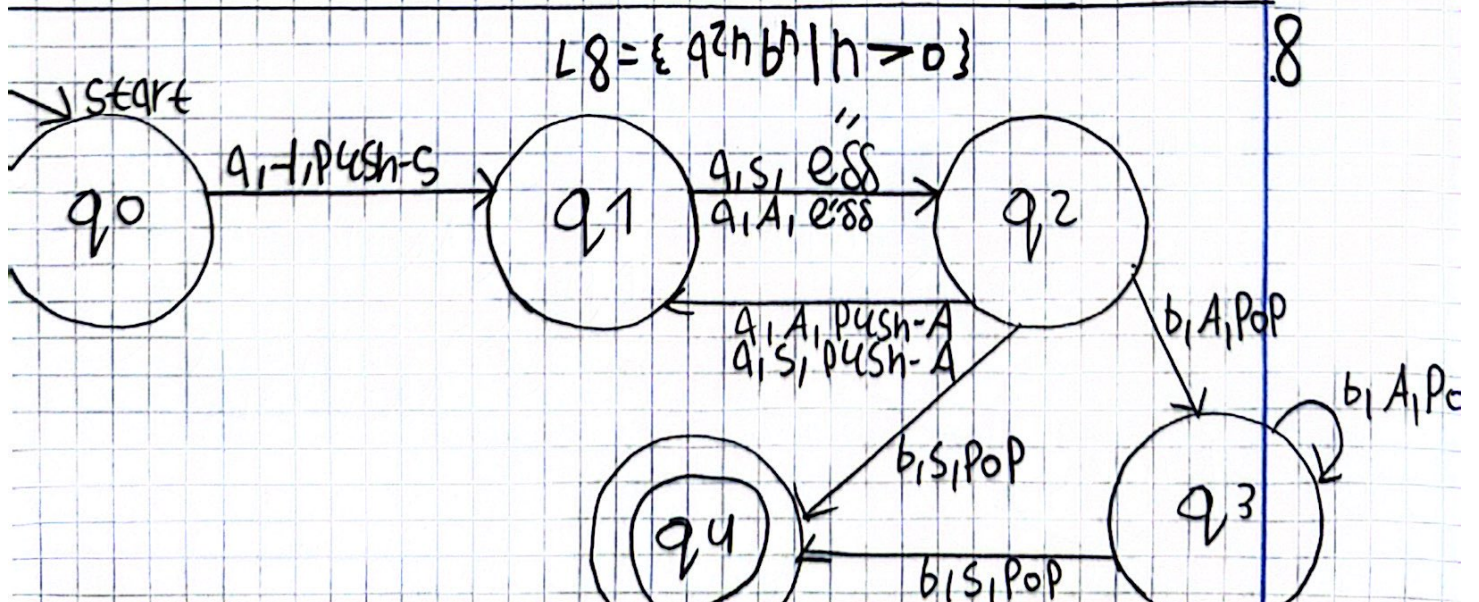
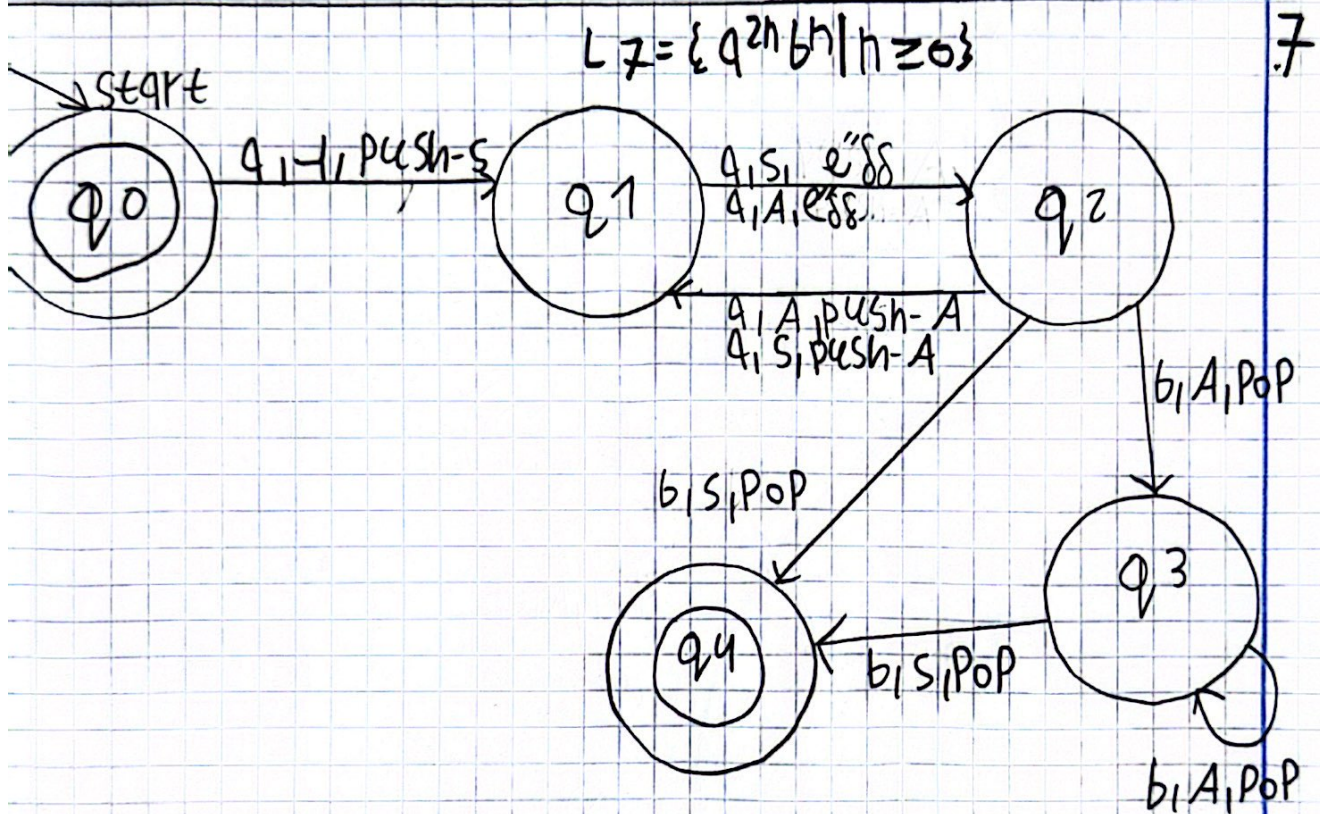
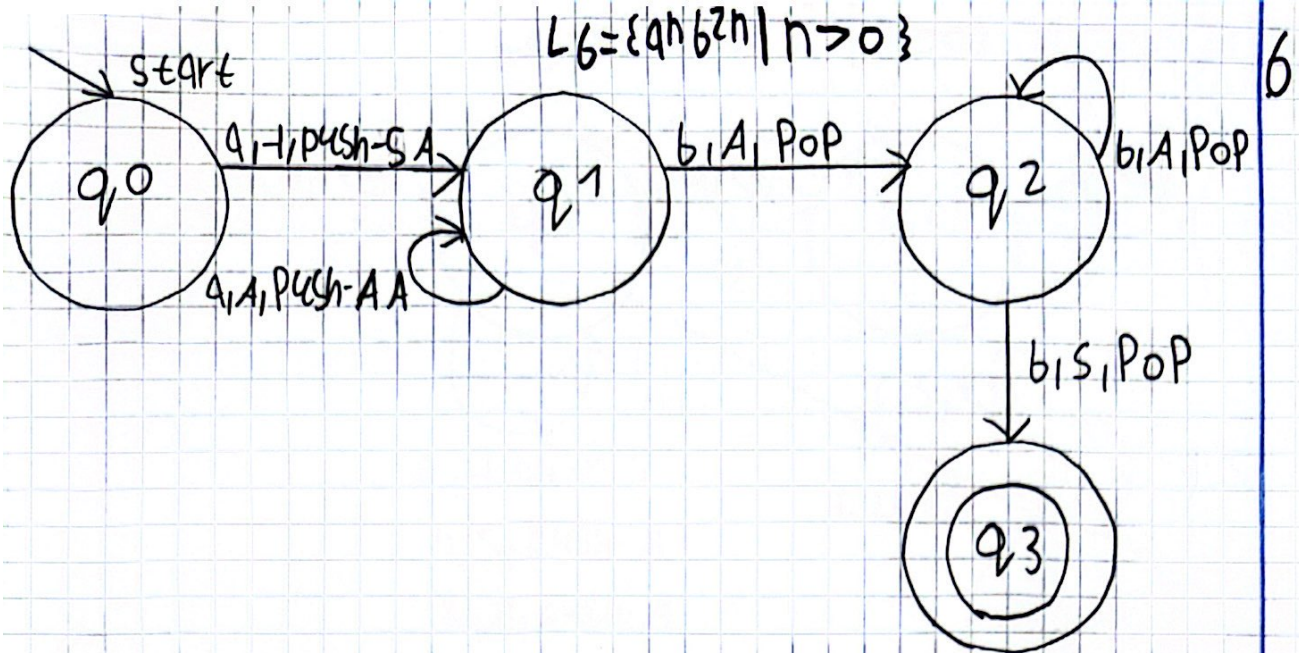
$$L_4 = \{a^n b^{n+1} \mid n \geq 0\}$$



$$L_5 = \{a^n b^{2n} \mid n \geq 0\}$$

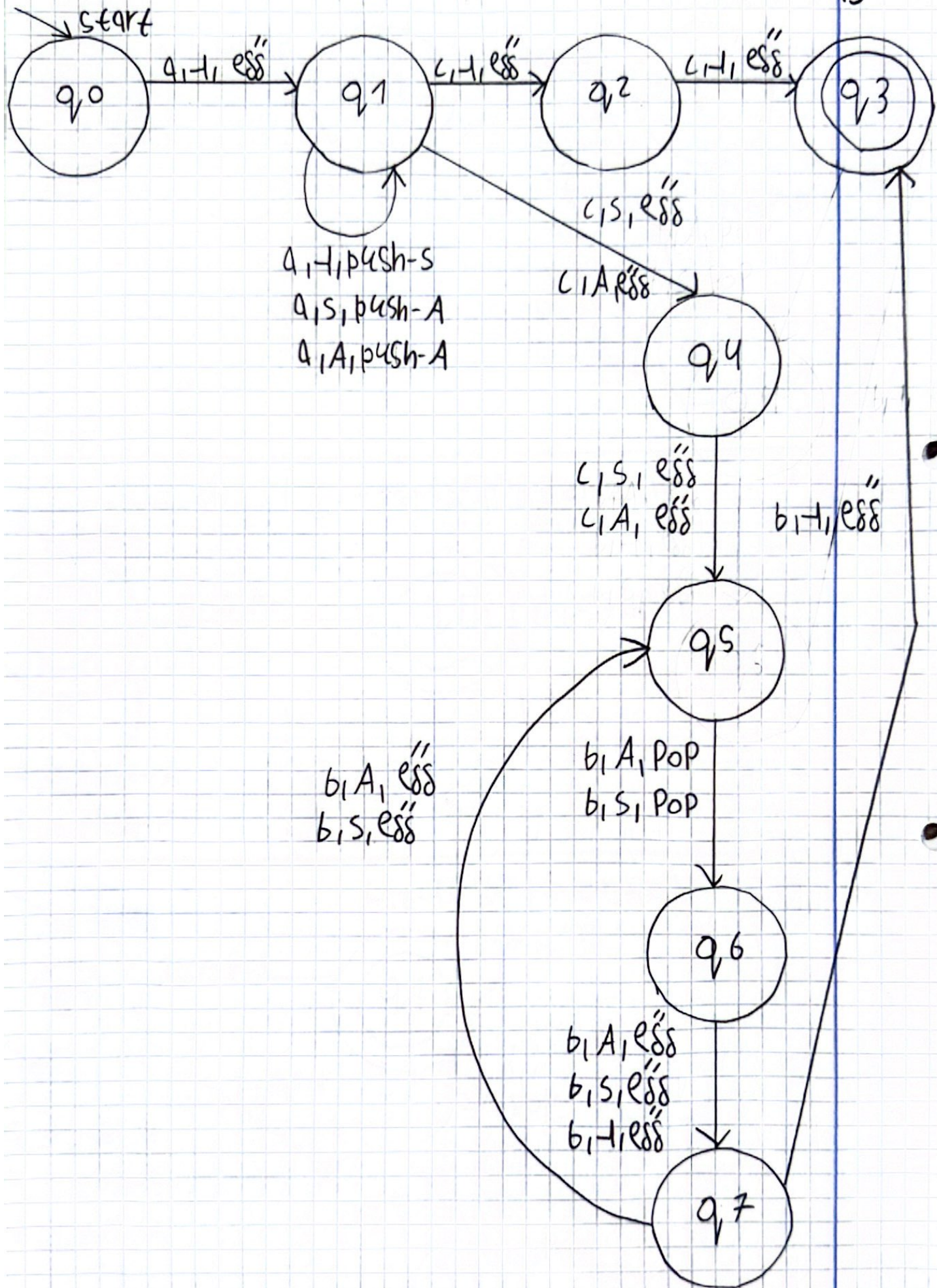






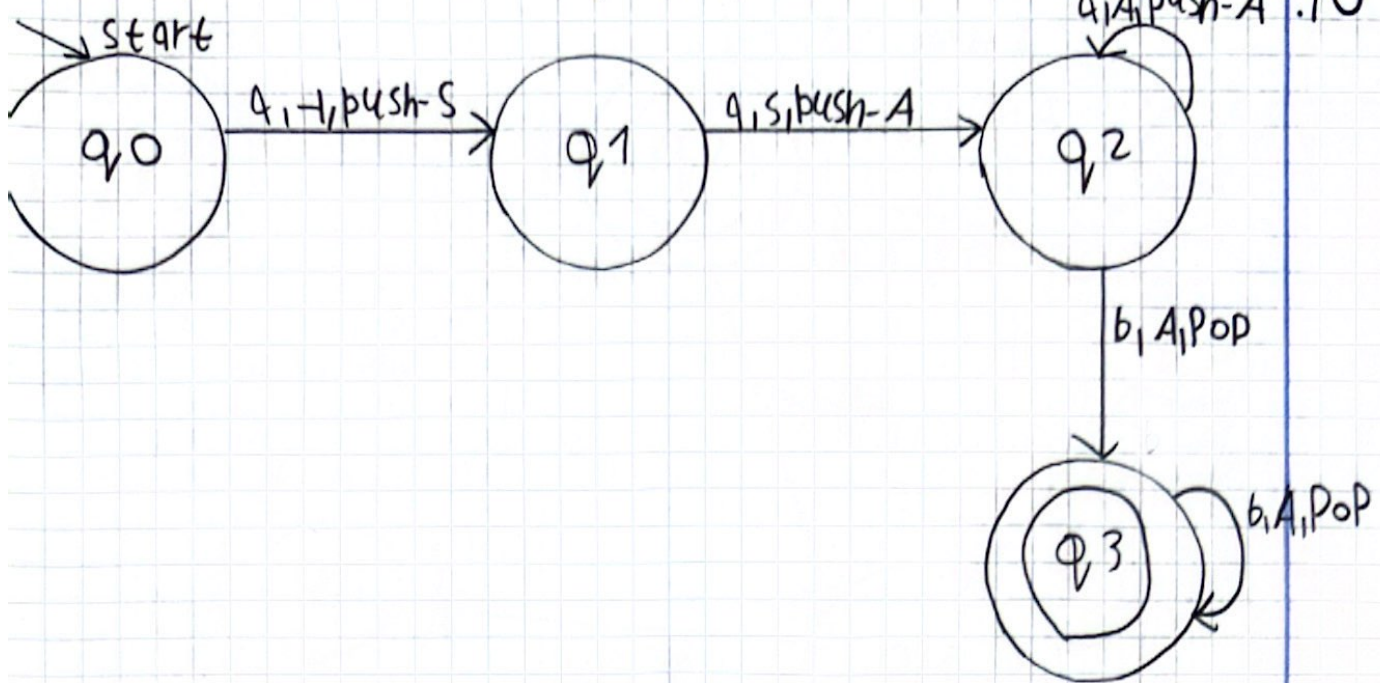


$$L_9 = \{ q^n \mid n \geq 0 \}$$

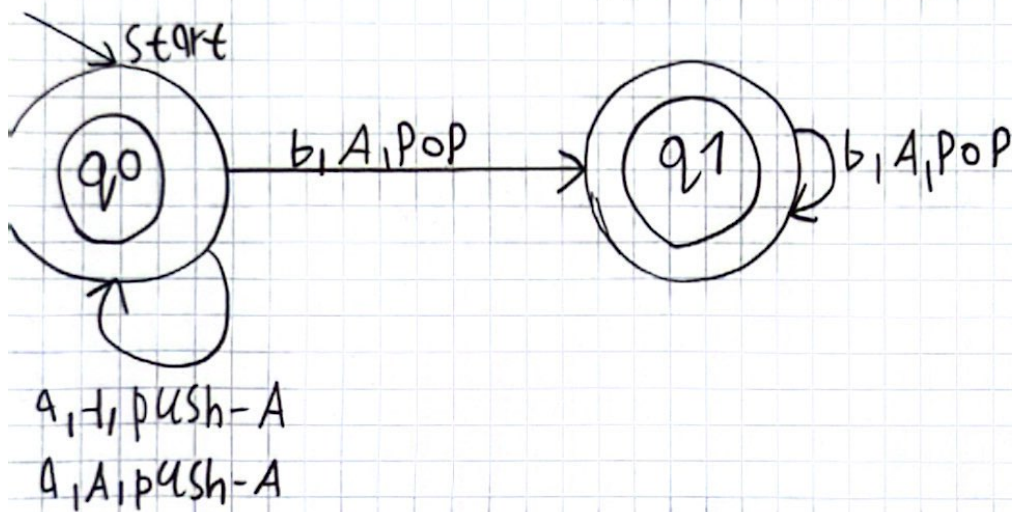




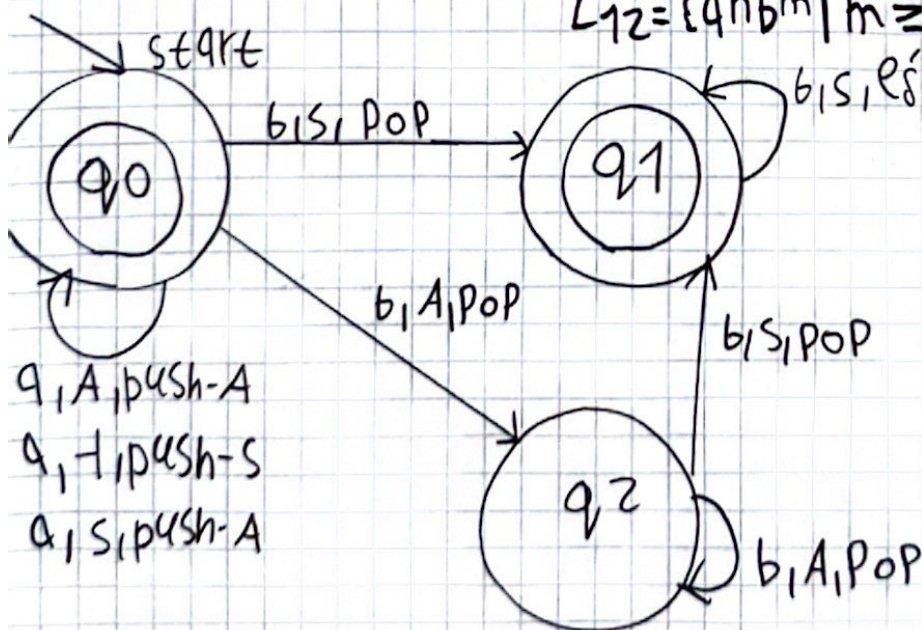
$$L_{10} = \{ a^n b^m \mid n \geq m \geq 0 \}$$



$$L_{11} = \{ a^n b^m \mid n \geq m \geq 0 \}$$



$$L_{12} = \{ a^n b^m \mid m \geq n \geq 0 \}$$





$L_{13} = \{ a^n b^m \mid m \neq n, m, n \geq 0 \}$

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