

# Heimadæmi 2 - Formleg mál & reiknanleiki

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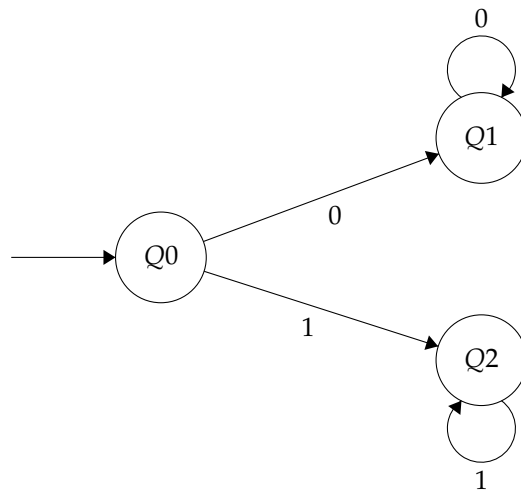
September 2023

**1.**

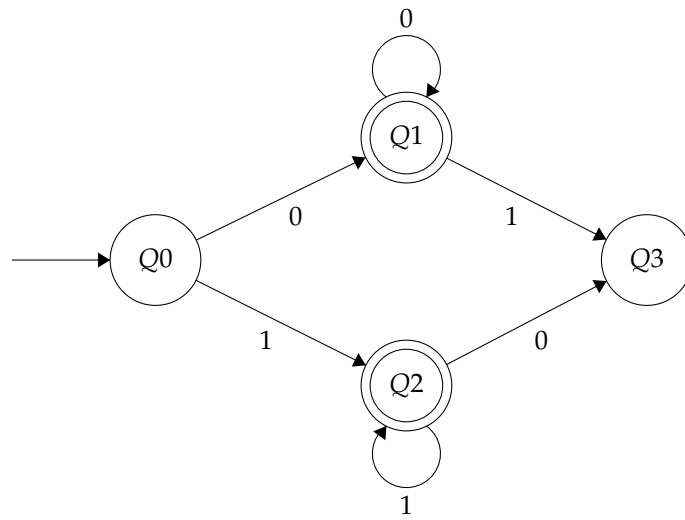
- a)  $A = A^*$  does not work. You have 1 A against set of empty string or more A's.
- b)  $A^* = A \circ A^*$  does not work either. You have a set of empty string or more A's on the left side but you have 1 or more A's on the right side.
- c)  $A^* \circ A = A \circ A^*$  does work because both sides have 1 or more A's.

**2.**

a)



c)



3.

a)

