Formleg mál og reiknanleiki

Pétur

October 15, 2018

1.

a)

Regular

b)

Not regular

$$A \rightarrow BAB \mid 01 \mid A$$
$$B \rightarrow 1$$

c)

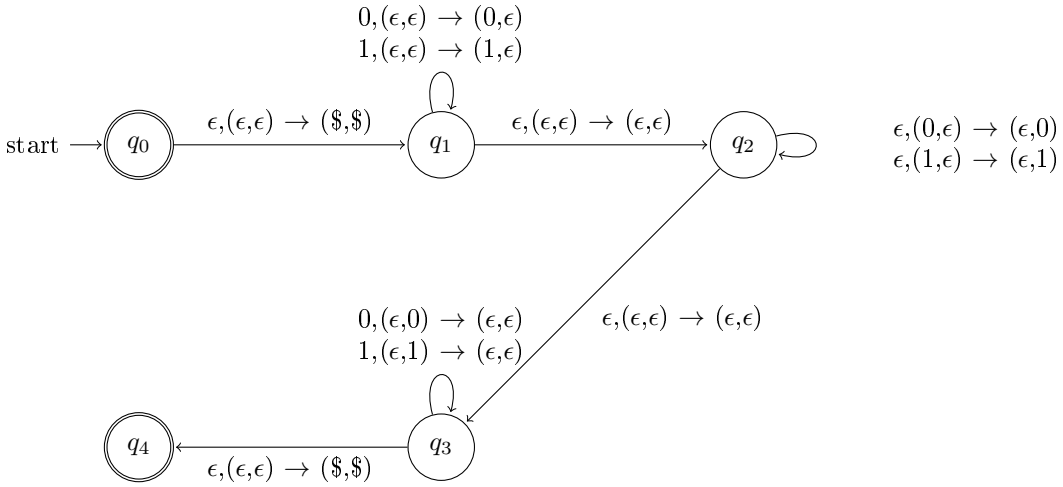
Regular

d)

Regular

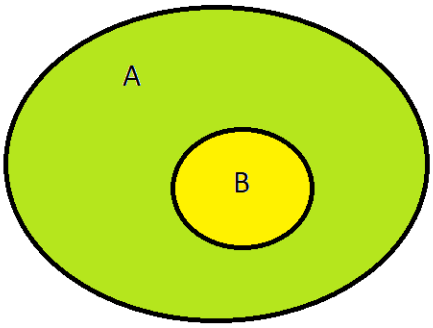
2.

PDA:



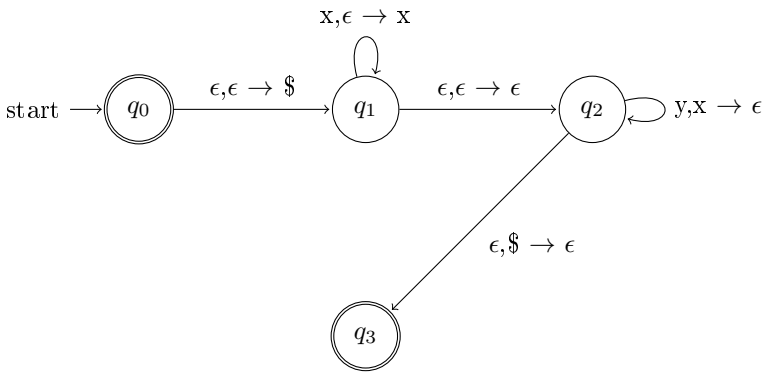
3.

wx ϵ A and x ϵ B. w is CFL and x is regular so A$\setminus$B means that A is still CFL because x is excluded.



4.

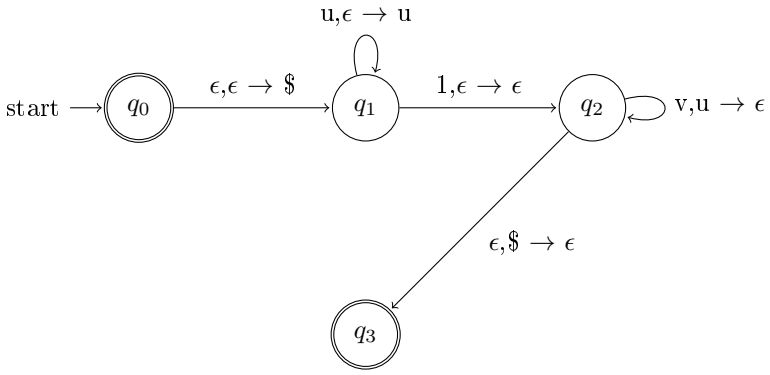
PDA:



5.

a)

PDA:



b)