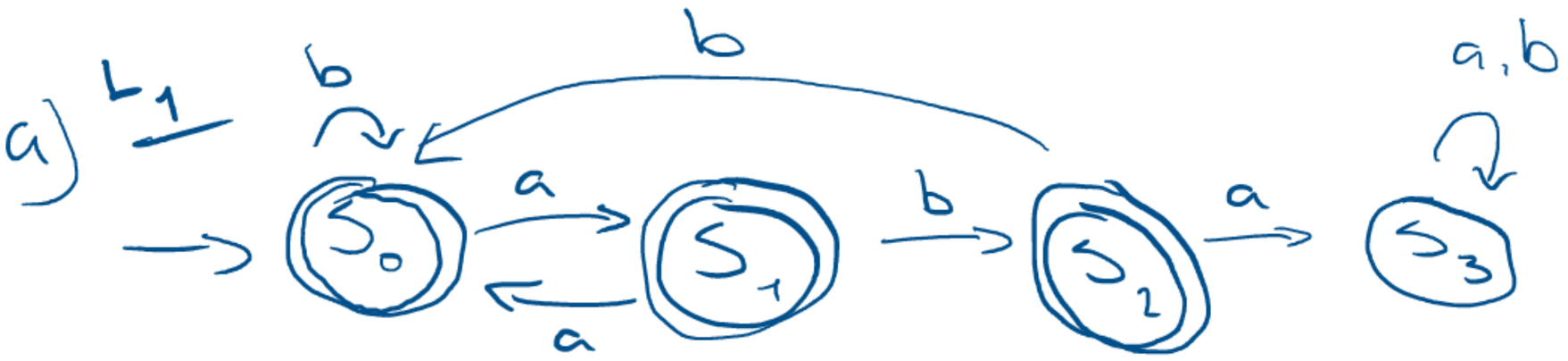
Heimaverkefni 1.1

27 August 2022 19:28

Hjörvar Sigurdsson

1.

a) L_1



b) Mál sem strengur w má ekki vera á:

$(a^m b^n \mid m \geq 0,\ n \geq 0)$

$a^0 b^0 = \varepsilon$

$a^0 b^1 = \varepsilon b$

$a^0 b^2 = \varepsilon bb$

$a^0 b^{3\ldots} = \varepsilon bbb\ldots$

$a^1 b^0 = a\varepsilon$

$a^2 b^0 = aa\varepsilon$

$a^{3\ldots} b^0 = aaa\ldots\varepsilon$

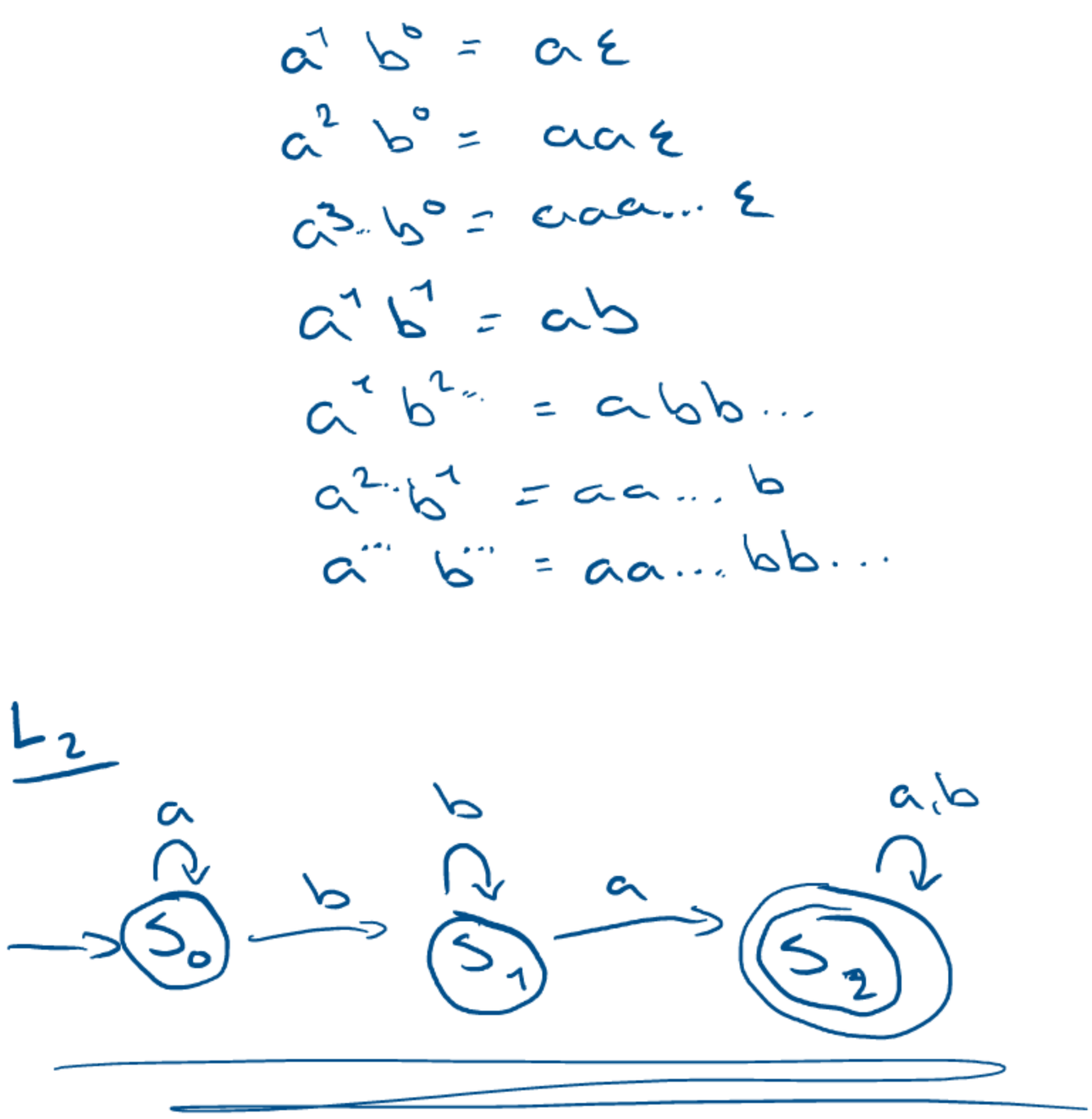
$a^1 b^1 = ab$

$a^1 b^{2\ldots} = abb\ldots$

$a^{2\ldots} b^1 = aa\ldots b$

$a^{\ldots} b^{\ldots} = aa\ldots bb\ldots$

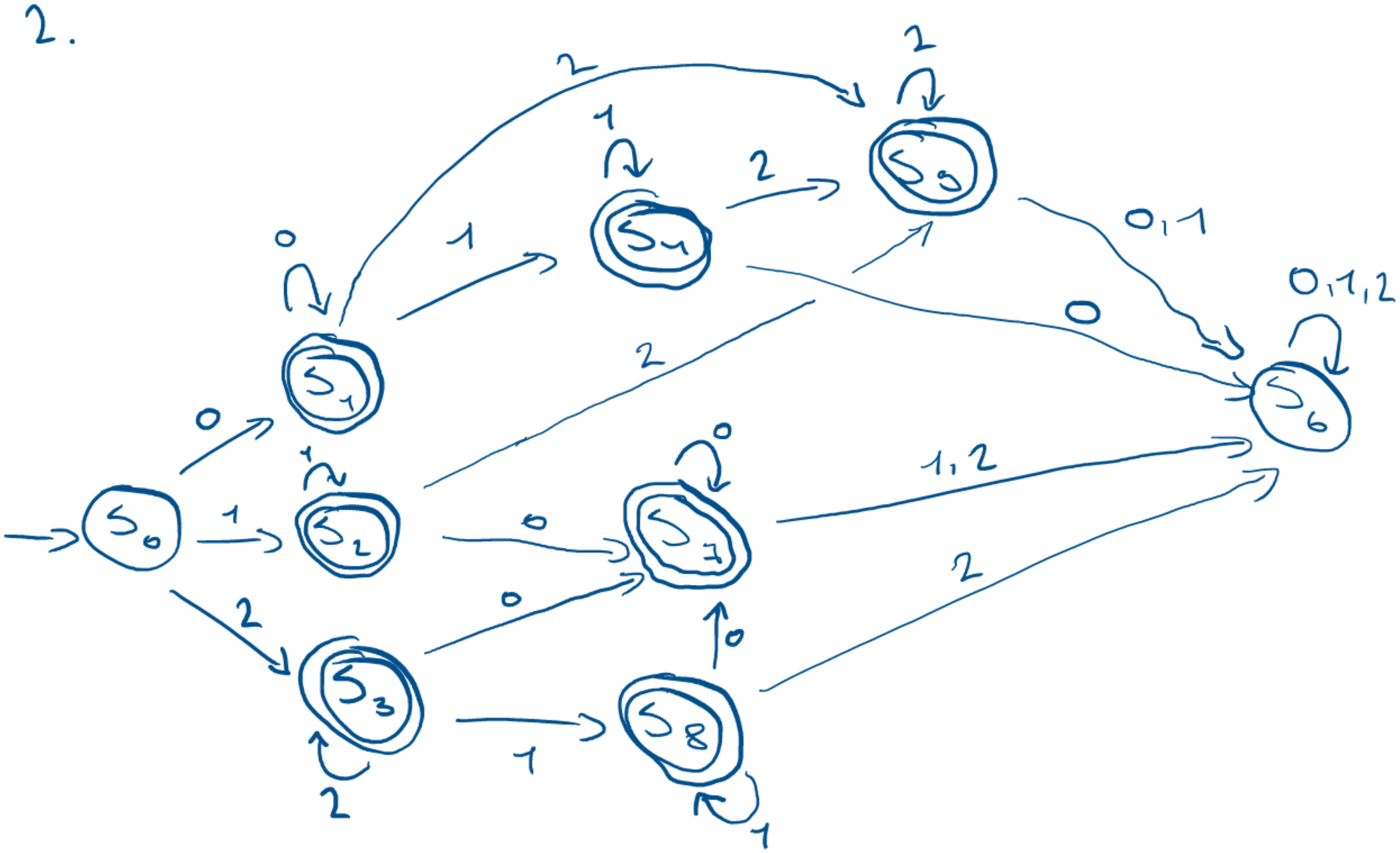
L_2



Heimaverkefni 1.2

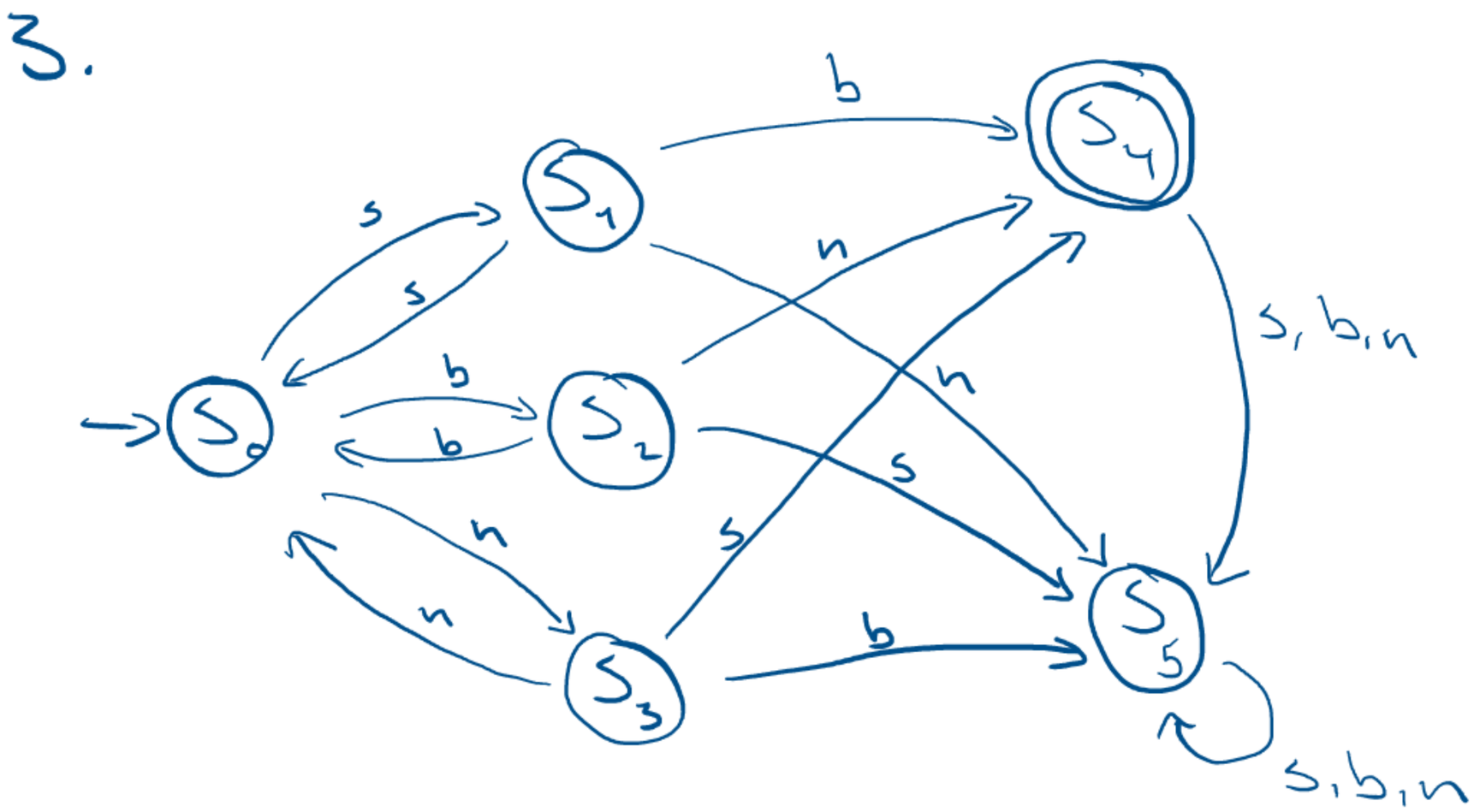
27 August 2022 21:57

2.



Heimaverkefni 1.3

29 August 2022 00:45

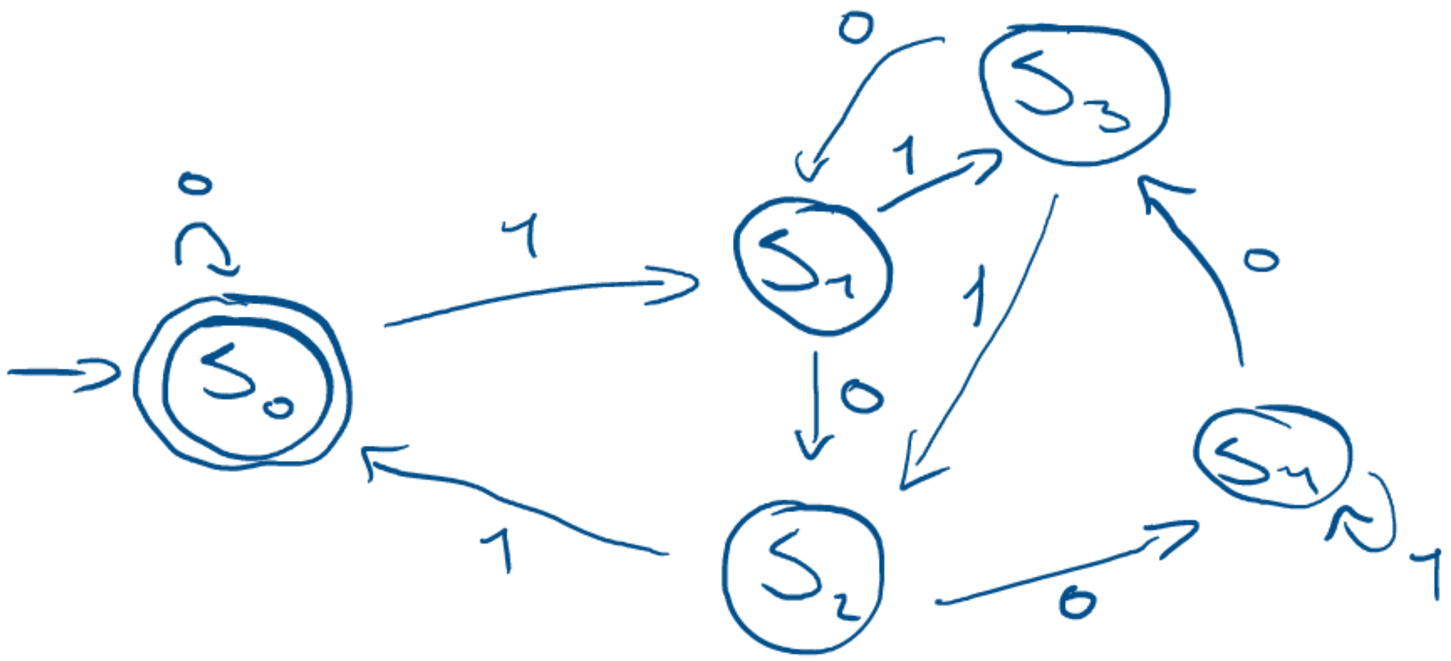


Heimaverkefni 1.4

29 August 2022 17:04

4. Samtyklur:

0
101
1010
1111
10100
11001
11110
...

Eldri:

1
10
11
100
110
111
1000
1001
...