Exercises on Chapter 4

Beau De Clercq

October 2019

Ex. 4.1

Question

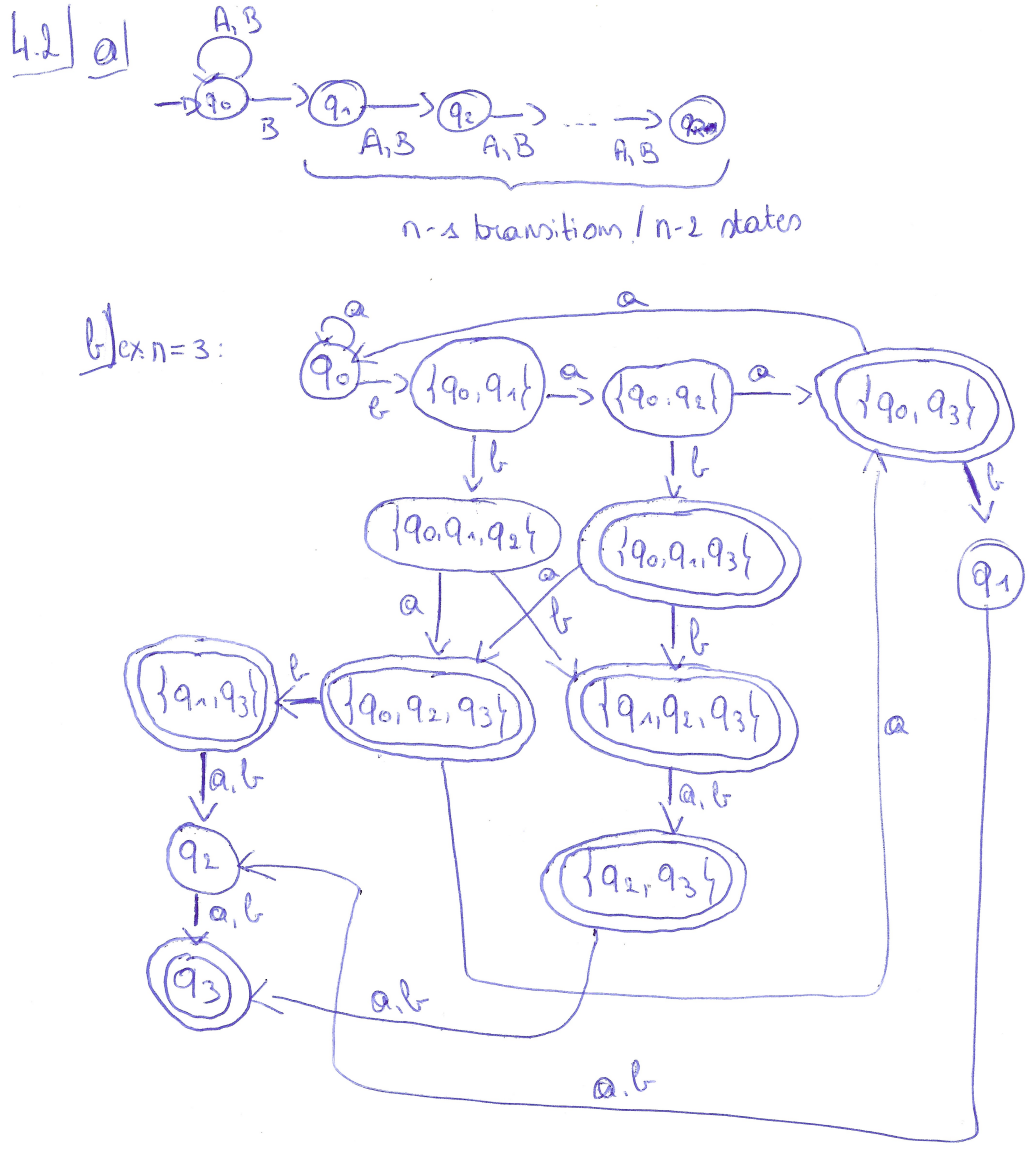
Answer

- BadPref(P_1) = $((\neg a)^* a b^* (a)^+ c^?)^\omega$
- BadPref(P_2) = $((\neg a)^* a (\neg b)^* a)^\omega$
- Not possible: counting is not possible.
- BadPref(P_4) = $((a \wedge \neg b)(b \wedge \neg a))^* (b \vee a)$

Ex. 4.2

Question

Answer



Ex. 4.5

Question

Answer

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Ex. 4.12

Question

Answer

$$L = (\quad ((A(A \vee B \vee C)^* A)^* \vee (C(A \vee B \vee C \vee)^* C)^*)^* \\ ((B \vee C)^*((A((BC)^* \vee (BA^*)))))) \\ )^\omega$$

Ex. 4.13

Question

Answer

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Ex. 4.14

Question

Answer

Ex. 4.15

Question

Answer

Ex. 4.16

Question

Answer

Ex. 4.17

Question

Answer

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