Mandatory Assignment 1

Group 1 IT University of Copenhagen

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This assignment is a part of the Advance Mobile and Distributed Systems Seminar.

1 Exercise 1, p. 12

$$SYSTEM_1 \stackrel{\text{def}}{=} (v \, talk_i, switch_i, give_i, alert_i : i = 1, 2)$$

$$(CAR(talk_1, switch_1)|Base_1|IDLEBASE_2|CENTRE_1)$$

$$(1)$$

$$IDLEBASE(t, s, g, a) \stackrel{\text{def}}{=} a.BASE(t, s, g, a)$$
 (2)

$$BASE_i \stackrel{\text{def}}{=} BASE(talk_i, switch_i, give_i, alert_i) \quad (i = 1, 2)$$
 (3)

$$CENTRE_{i} \stackrel{\text{def}}{=} \overline{give_{1}} talk_{2} switch_{2}.alert2.CENTRE_{2}$$

$$\overline{give_{2}} talk_{1} switch_{1}.alert1.CENTRE_{1}$$

$$(4)$$