Sapienza Università di Roma

Facoltà di Ingegneria - Corso di Laurea Magistrale in Ingegneria Informatica

Service integration

Elective in Software and Services

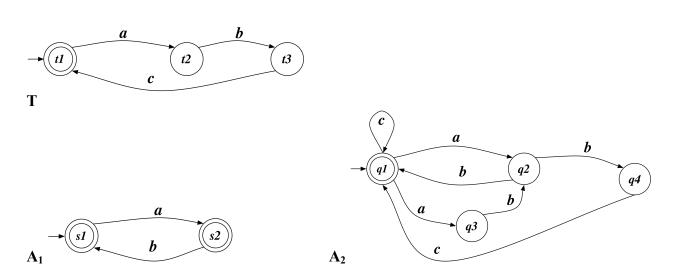
(Complementi di software e servizi per la società dell'informazione) 2008/09

09/09/2009

Time to complete the assignment: 2 hours

Part 1 (Composition Synthesis)

Given the following target T service and available services A_1 , A_2 , check whether a composition exists. If it does exist, produce the output relation of orchestrator generator. If not, single out the target state that cannot be simulated (ND-simulated), and propose a change to the available services so as to guarantee the composition.



Part 2 (Theoretical Question)

Explain (1) what are game structures for safety game, and (2) how service composition can be reduced to a safety game.