

Erratum

Multiparty Contracts: Agreeing and Implementing Interorganizational Processes

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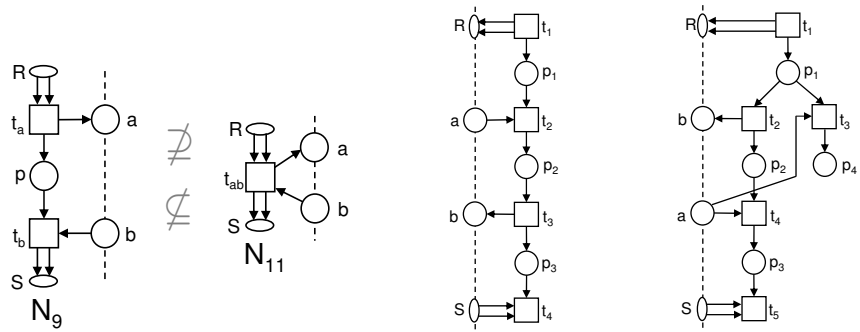
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In the technical report [1], we proposed a notion of accordance to decide if the public view N of a party involved in a contract can be substituted by a modified version N' , the private view of N . We also presented several accordance preserving transformation rules. These rules allow to derive a private view N' from a given public view N . Unfortunately, one of these transformation rules, Rule 5 [1, p.28], is not correct. As a consequence, Lemma 7 in [1] is also not correct. In this rule we specified that N_9 accords with N_{11} (cf. Fig. 1(a)), meaning N_9 is a correct private view of N_{11} . Figure 1(c) depicts, however, a strategy for N_{11} which is no strategy for N_9 and thus contradicting the accordance relation between N_9 and N_{11} . Since we have already proven that N_{11} does not accord with N_9 in [1] (the net depicted in Fig. 1(b) is a strategy for N_9 , but it is no strategy for N_{11}), these two nets serve as an antipattern depicted in Fig. 1(a).

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(a) Antipattern: Send and then receive (N_9) cannot be executed simultaneously (N_{11}) and vice versa. $Strat(N_9) \neq Strat(N_{11})$.

(b) Strategy for N_9 but not for N_{11} .

(c) Strategy for N_{11} but not for N_9 .

Fig. 1. Counterexample.

References

1. Aalst, W.M.P.v.d., Massuthe, P., Stahl, C., Wolf, K.: Multiparty Contracts: Agreeing and Implementing Interorganizational Processes. Informatik-Berichte 213, Humboldt-Universität zu Berlin (2007)