Meldal, Sigurd
Partial correctness of exits from concurrent structures. (English) Zbl 0599.68029

A rudimentary exit-mechanism from the parallel command of the language fragment CSP is introduced. A method for embedding invariants in a standard partial correctness system with pre- and postconditions is presented. Proof rules for exits from concurrent systems are introduced, and a simple data flow system is verified.

MSC:
68N25 Theory of operating systems
68Q60 Specification and verification (program logics, model checking, etc.)

Keywords:
communicating sequential processes; parallel command; CSP; pre- and postconditions; data flow system

Software:
Ada95

Full Text: DOI

References:

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