







Schematic operators: quantification



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Schematic operators Schemata

PDDL

Existential quantification (for formulae only) Finite disjunctions $\varphi(a_1) \lor \cdots \lor \varphi(a_n)$ represented as $\exists x \in \{a_1, \dots, a_n\} : \varphi(x).$

Universal quantification (for formulae and effects) Finite conjunctions $\varphi(a_1) \land \cdots \land \varphi(a_n)$ represented as $\forall x \in \{a_1, \dots, a_n\} : \varphi(x).$

Example

 $\exists x \in \{A, B, C\}$: *in*(x, Freiburg) is a short-hand for *in*(A, Freiburg) \lor *in*(B, Freiburg) \lor *in*(C, Freiburg).

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PDDL: problem files









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