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## **Syntax**

```
Action Fields f_i ::= f_{a_1} | \cdots | f_{a_k}

Result Fields f_r ::= f_{r_1} | \cdots | f_{r_k}

Fields f ::= f_i | f_r

Actions i ::= \{f_{a_1} = v_{a_1}, \dots, f_{a_k} = v_{a_k}\}

Results r ::= \{f_{r_1} = v_{r_1}, \dots, f_{r_k} = v_{r_k}\}

Predicates a, b ::= 0 Identity

\begin{vmatrix} 1 & False \\ & f = n & Test \\ & a + b & Sum \\ & a \cdot b & Product \\ & \neg a & Negation \end{vmatrix}

Policies p, q ::= a Test

\begin{vmatrix} act(p) & Slice & Actions \\ & res(p) & Slice & Results \\ & inj_i & Injection & Action \\ & inj_r & Injection & Result \\ & f \leftarrow n & Update \\ & p + q & Choice \\ & p \cdot q & Sequential & Concatenation \\ & p^* & Kleene & Star \end{vmatrix}
```

## **Semantics**

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