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Syntax

```
\begin{array}{cccc}
f_i & ::= & f_{a_1} \mid \dots \mid f_{a_k} \\
f_r & ::= & f_{r_1} \mid \dots \mid f_{r_k} \\
? & ?
\end{array}

Action Fields
Result Fields
Fields
                  i ::= \{f_{a_1} = v_{a_1}, \dots, f_{a_k} = v_{a_k}\}
r ::= \{f_{r_1} = v_{r_1}, \dots, f_{r_k} = v_{r_k}\}
Actions
Results
Predicates a, b := 0 Identity
                           f_i = n Test Action
                             f_r = n Test Result
                                          Sum
                                          Product
                               \neg a
                                      Inverse
Policies p, q ::=
                                        Test
                          a
                           act(p)
                                       Slice Actions
                           res(p) Slice Results
                           inj_i Injection Action
                           inj_r Injection Result
                           f_i \leftarrow n Functional Map Actions
                           f_r \leftarrow n Functional Map Results
                                        Choice
                                       Sequential Concatenation
                           p \cdot q
                                       Kleene Star
```

Semantics

Def $\Phi = \{(is, rs)\}\$ Where Φ is the infinite possibility set of (is, rs). Seaghan Sefton Page 2