

Given a domain D with elements $d \in D$:

configurations	σ	$::=$	$\langle S; e \rangle \mid \mathbf{error}$
expressions	e	$::=$	$x \mid v \mid e e \mid \mathbf{get} e e \mid$ $\mathbf{put} e e \mid \mathbf{new} \mid \mathbf{reify} e$
values	v	$::=$	$l \mid Q \mid \lambda x. e$
query set literals	Q	$::=$	$\{d_1, d_2, \dots, d_n\} \mid$ $\{d \mid \mathit{pred}(d)\}$ (where $\mathit{pred}(d)$ is computable)
stores	S	$::=$	$[l_1 \mapsto d_1, l_2 \mapsto d_2, \dots]$

Figure 2. Syntax for λpar .