

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

configurations	$\sigma$	$::=$	$\langle S; e \rangle \mid \mathbf{error}$
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	$S$	$::=$	$[l_1 \mapsto d_1, l_2 \mapsto d_2, \dots]$

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**Figure 2.** Syntax for  $\lambda\text{par}$ .