

$$\begin{array}{lcl}
e & ::= & x \mid \lambda x . e \mid e \ e \\
& & \mid \text{true} \mid \text{false} \mid \mathbb{Z} \mid \mathbb{R} \mid \phi \\
& & \mid \text{if } e \text{ then } e \text{ else } e \\
& & \mid \text{let [rec] } x = e \text{ in } e \\
& & \mid x \leftarrow e ; e \mid \text{return } e \\
& & \mid l \bullet \text{get} \mid l \bullet \text{put } e \\
& & \mid \dots
\end{array}$$