















Lifting Rules

(*let* S' *in* e') is the α -renamed (*let* S *in* e) to avoid name conflicts in the following rules:

 $\begin{aligned} x &= let \ S \ in \ e &\to x = e'; \ S' \\ let \ S_1 \ in \ (let \ S \ in \ e) \to let \ S_1; \ S' \ in \ e' \\ (let \ S \ in \ e) \ e_1 &\to let \ S' \ in \ e' \ e_1 \\ Cond((let \ S \ in \ e), \ e_1, \ e_2) \\ &\to let \ S' \ in \ Cond(e', \ e_1, \ e_2) \\ &\to let \ S' \ in \ Cond(e', \ e_1, \ e_2) \\ &\to let \ S' \ in \ PF_k(e_1, \dots (let \ S \ in \ e), \dots e_k) \\ &\to let \ S' \ in \ PF_k(e_1, \dots e', \dots e_k) \\ &\to let \ S' \ in \ PF_k(e_1, \dots e', \dots e_k) \\ &\to let \ S' \ in \ PF_k(e_1, \dots e', \dots e_k) \\ &\to let \ S' \ in \ PF_k(e_1, \dots e', \dots e_k) \\ &\to let \ S' \ in \ PF_k(e_1, \dots e', \dots e_k) \end{aligned}$



