

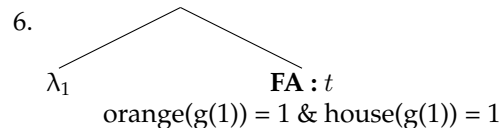
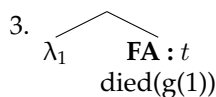
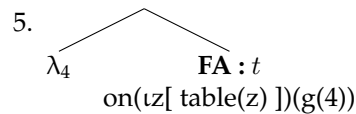
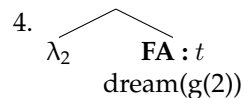
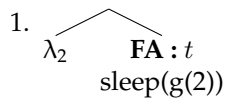
Composition with abstraction is a four-step process:

1. **Abstraction** Add a λ -argument.
2. **Value copy** Copy the expression you already had (that's the binder's sister)
3. **Modify** the assignment
4. **Replace** the pronoun with the output of the modified assignment

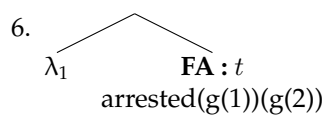
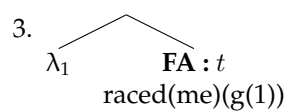
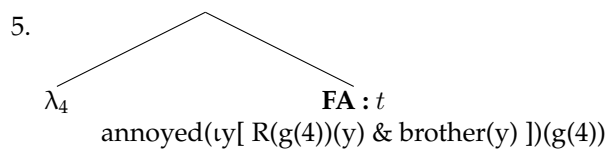
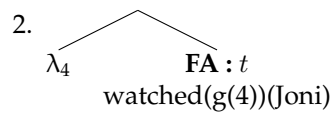
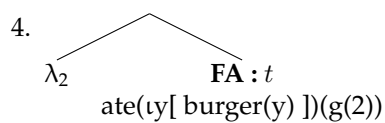
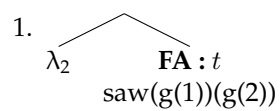
Replace: $\lambda x \in D_e. \text{run}(x)$
Modify: $\lambda x \in D_e. \text{run}(g^{3 \rightarrow x}(3))$
Abstract + Copy: $\lambda x \in D_e. \text{run}(g(3))$

λ_3 $\text{run}(g(3)) : t$

1. Complete the following intransitive abstractions. Assume variable assignment g.



2. Complete the following transitive abstractions. Assume variable assignment g . **Be mindful of whether you're abstracting over the subject or the object.**



3. Draw the following compositions. Assume variable assignment g.

1. *who*₁ *t*₁ *is pregnant*

2. *which*₁ *he*₂ *liked t*₁

3. $[_{CP} \text{ that the key is in } t_1]$

4. Fill in the blank node

