

17-355/17-655/17-819: Program Analysis

Control Flow Analysis

In-Class Exercises

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1. Use 0-CFA with constant propagation to analyze the following functional program (with location labels as superscripts):

$$((\lambda f.(f^a 3^b)^c)^e (\lambda x.(x^g + 1^h)^i)^j)^k$$

You may find the following table helpful:

<u>Variable/Label</u>	<u>Lattice element</u>	<u>Which rule applies?</u>
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