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Reliable Systems
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IN [5/9]440: static analysis

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Handout 2: Intro: Constraint-based analysis

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CBA

The abstract grammar of the functional language (currently) looks as follows:

$$t \quad ::= [x]^l \mid [\texttt{fn}\, x \Rightarrow t]^l \mid [t\ t]^l \quad \text{terms}$$

The l stands for labels. Later, the grammar may be extended and refined.

Example 1 (Simple program)**.** *The very simple labeled program used in the example is the following:*

$$[\ [\texttt{fn}\, x \Rightarrow [x]^1]^2\ [\texttt{fn}\, y \Rightarrow [y]^3]^4\ ]^5$$