Liveness transformer

• Given an IL command $C$ and set of live variables $\mathbb{LV}_{out}$ after $C$ executes, compute the set of live variables $\mathbb{LV}_{in}$ before $C$ executes

  $$\mathbb{LV}_{in} = (\mathbb{LV}_{out} \setminus \text{DEF}(C)) \cup \text{USE}(C)$$

• We define the transformer of $C$: