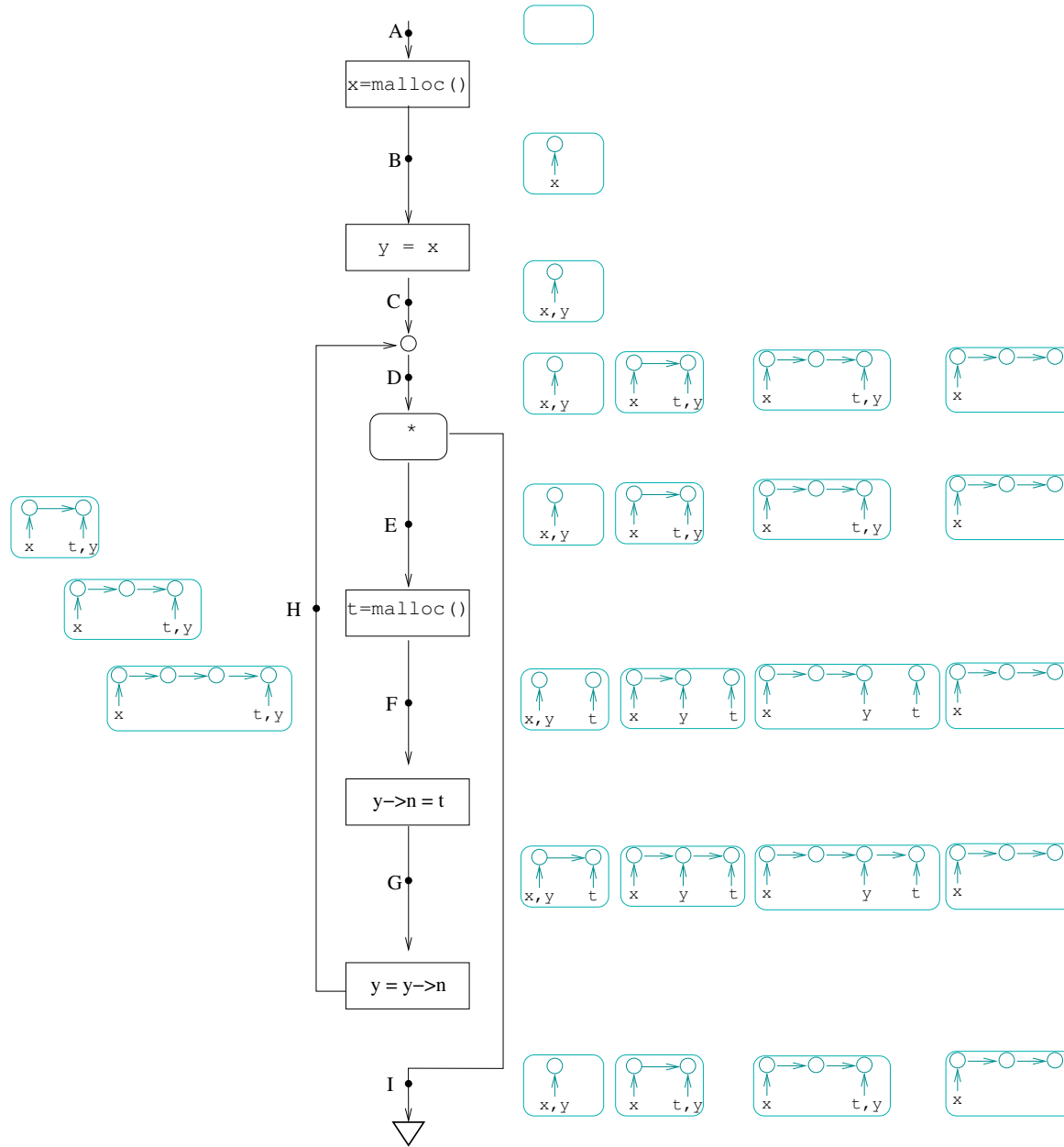


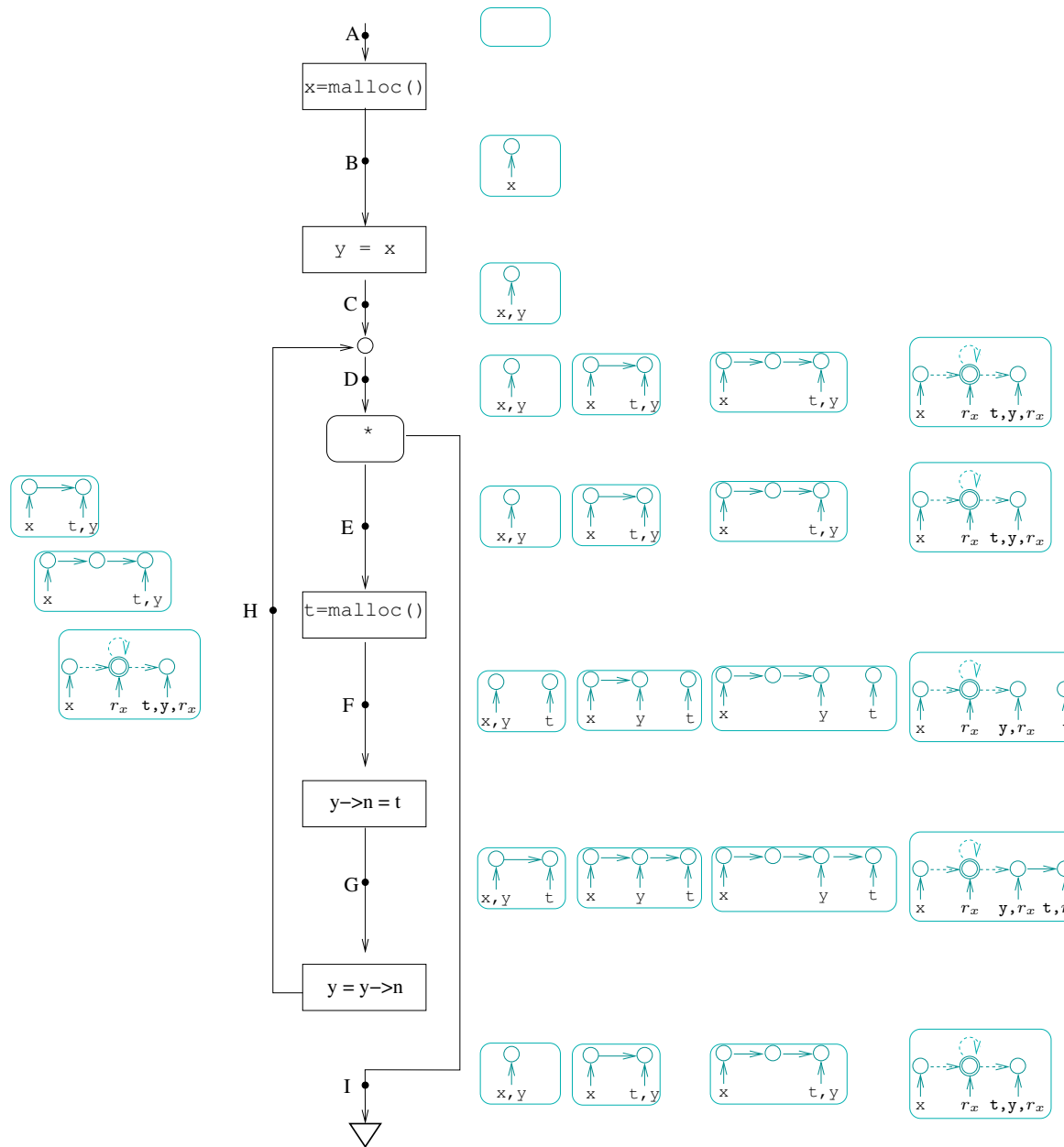
Automata Theory and Computability

Solution to Assignment 1 (Shape Analysis)

1. (a) Concrete analysis (cut short at 4 shapes):



(b) Strawman analysis: (We show the reachability predicates r_x etc, only where their truth is not obviously).



2. Why concretization cannot be defined as the set of shapes that *tightly* embed into the abstract shape:

