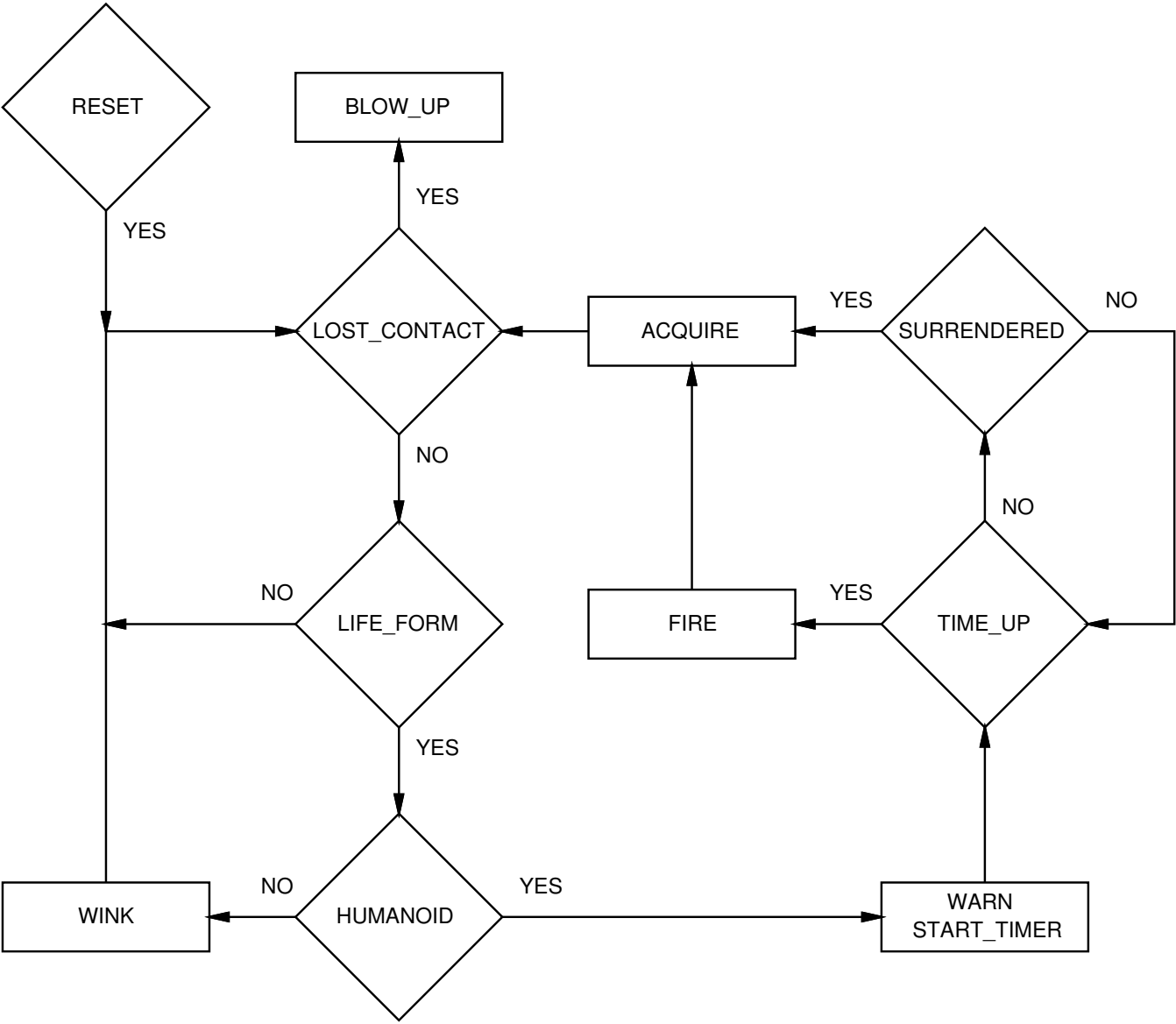Marc Horowitz
Problem 5.2 part a