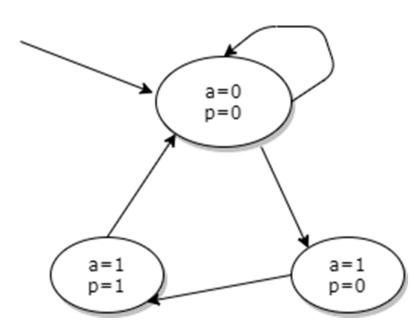# Exercise

Starting from this diagram write:

- The corresponding NuSMV program
- The formula and the OBDD representing the transition relation

Check what are the set of states in which the following formulas are true:

$$EX(a \to p)$$
$$EG\big(a \to EG(p)\big)$$
$$EF(a) \to EG(p)$$
$$EF(a \wedge p)$$

applying the labelling algorithm for CTL.