One-pager: Zee (Rai *et al.*, 2012)   **Due: Start of lecture, 18ᵗʰ January 2013**

Instructions: **in your own words,** *answer the following questions as* **succinctly** *as possible (in 200–500 words total, but shorter answers within this range are encouraged). Quoting figures or text from the assigned reading or from any other source is specifically prohibited.*

In today's reading, the authors describe an algorithm for detecting whether the user of the smartphone is walking or not.

Based on this description, draw a state machine precisely describing the operation of this algorithm. Your picture include short labels on the states in your state machine specifying what each state represents, and labels on each of the transitions between states specifying when your state machine follows each transition. In text, you should describe how your state machine outputs the boolean decision of whether the user is walking or not.

No other written explanation of your state machine is necessary.