```
    while ( executionQueue.isEmpty() ) {
      // compute timeout & wait
      compute the minimum timeout (t) of all the nodes in
      the messageWaitQueue

      t = t - current_time

      // now wait by putting the engine to sleep
      if ( t > 0 ) wait(t);

      check if the timeout of any node on the messageWaitQueue
      has been exceeded. For those nodes whose timeout has been
      exceeded remove them from the messageWaitQueue and add them
      to executionQueue
    }
    delete and return the first element of the executionQueue
  }

  void add(Node node) {
    enqueue(node);
  }

  void add(Goal goal) {
    select graph (g) from the graph library and run it
  }

  void add(Message message) {
    if message is a proposal
```