```
        break;
      case RUNNING:
        if ( !graph.allow_exec() )
          fail(engine,true,"Exec refused by graph");
5       else if ( arcs == null )
          done(engine,"terminal node reached");
        else if ( current_arc >= arcs.length )
          fail(engine,true,"All arcs traversed");
        else
10          exec_arc(engine, data);
        break;
      }
    }
    void fail(Engine engine, boolean backtrack, String reason) {
15    state = FAILED;
      if ( backtrack )
        backtrack();
      graph.failed(engine,this);
      if ( previous_node != null )
20        previous_node.nextArc(engine);
    }
    protected int exec() {
      // contains the actual executable code for
      // this node
25    }
    protected void backtrack() {
      // reset any state changed by exec()
    }
```