

# Moose

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# Moose's pillars

- Analysis environment for software systems
- 4 core actions
  - *navigation*: moving between things
  - *selection*: grouping things
  - *inspection*: inspecting things
  - *presentation*: rendering things



```

<% java
    while(wake == true) {
        System.out.println("I'm not crazy");
    }

    if(request.getParameter("age") < 18) {
        StringBuffer sb = new StringBuffer();
        sb.append("Sorry ");
        sb.append(request.getParameter("name"));
        sb.append("You can't see the babes!");
        out.println(sb.toString());
        System.out.println("Bring an extra $500"); break;
        "Amsterdam":
        System.out.println("Bring an open mind"); break;
        "Tokyo":
        System.out.println("Bring lots of money"); break;
        "Caribbean Islands":
        System.out.println("Bring a swimsuit"); break;
    }

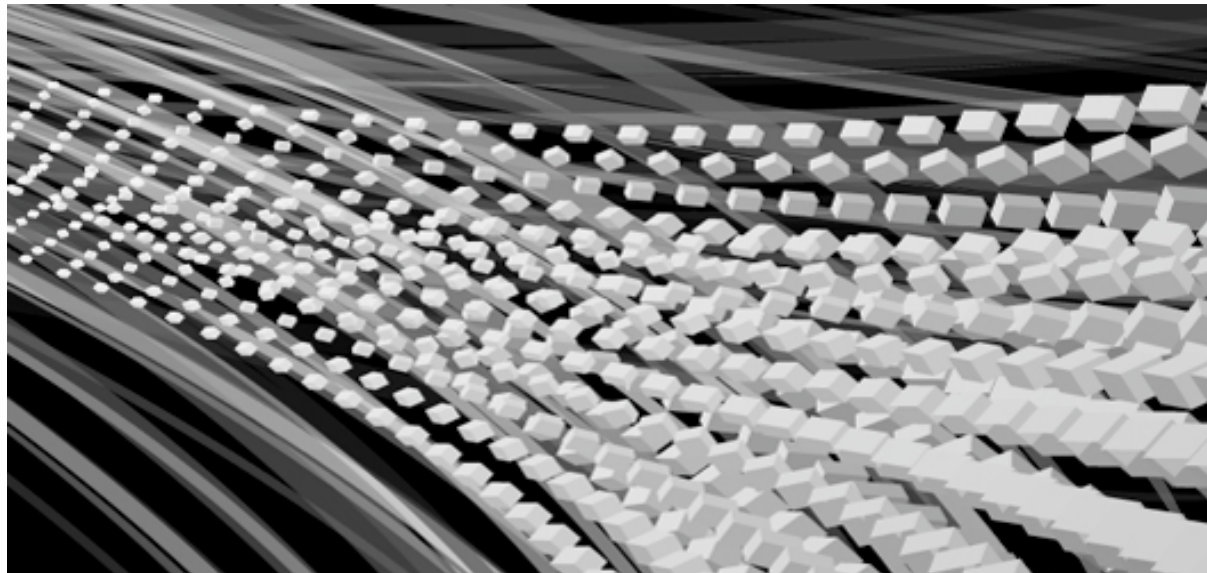
    while(!weekend) {
        jumpToNextDay();
    }

    import java.util.*;
    import java.io.*;

    for(long j=1; j<100000000L; j++){
        System.out.println("Repeat... I'm not crazy
        DELETE FROM boss");
    }
}

```





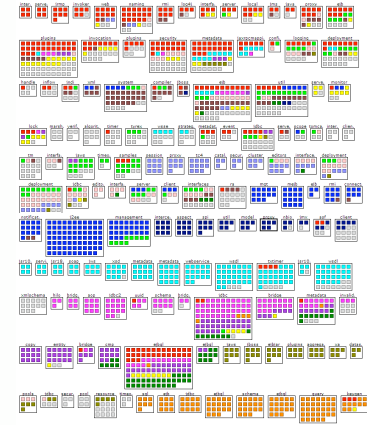
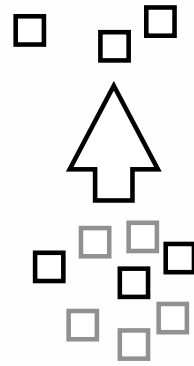
Moose is Data Driven



McCabe = 21

NOM = 102

LOC = 753,000

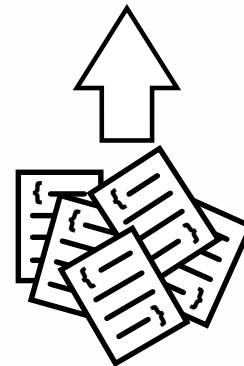
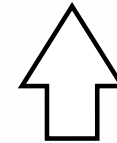
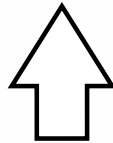
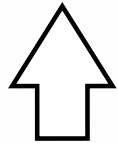


Metrics

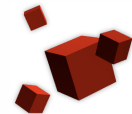
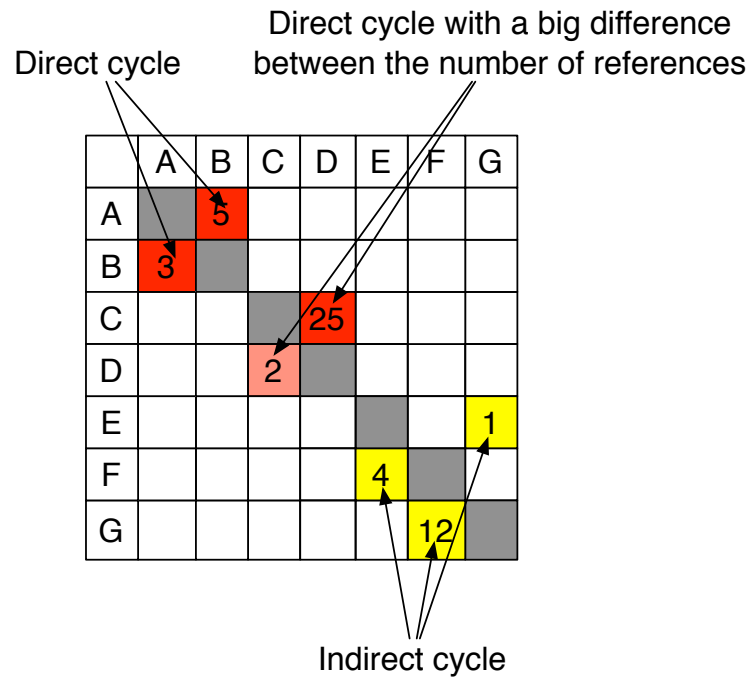
Queries

Visualizations

...

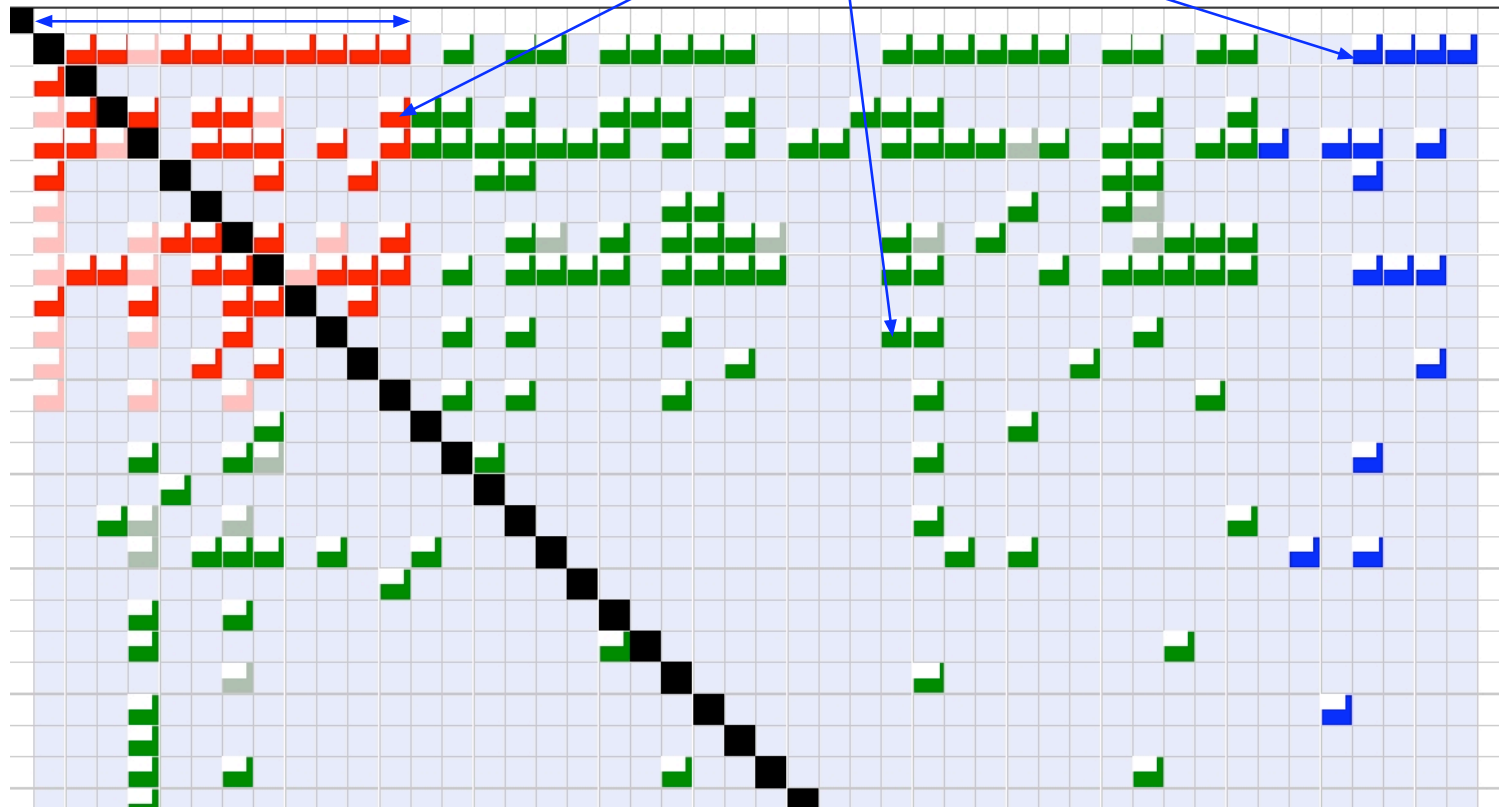


# Dependency Structure Matrix



Number of packages involved in a direct cycle with the package corresponding to the first colored row

Every color corresponds to a different cycle level



Moose started in 1997 in Bern  
> 50 people contributed to it  
> 100 scientific publications

<http://moose.unibe.ch>

<http://www.bergel.eu>

<http://stephane.ducasse.free.fr>

