Course name: Software Metrics Lab
Course code: SE 3204

Submitted to

Dipok Chandra Das

Assistant Professor

IIT, NSTU

Submitted by

Joy Bhowmik(Ash1925012M)

Nayeem Khan(Ash1925027M)

Redwan Hossain(Ash1925005M)

Team members:

- Joy Bhowmik (ASH1925012M)
- Nayem Khan (ASH1925027M)
- Redwan Hossain Polash (ASH1925007M)

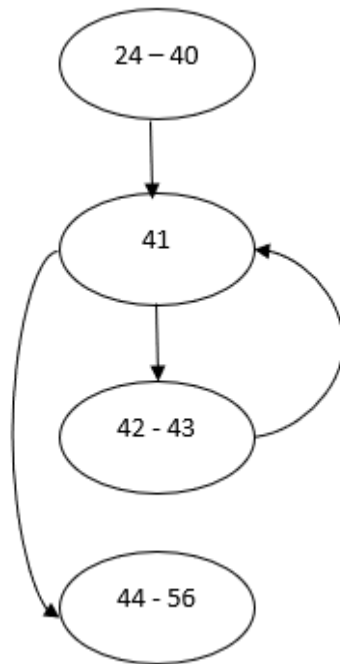Project name: Digital Voting System

Project link: https://github.com/Joy-extreme/Face-recognition-voting/tree/master

Code Structure

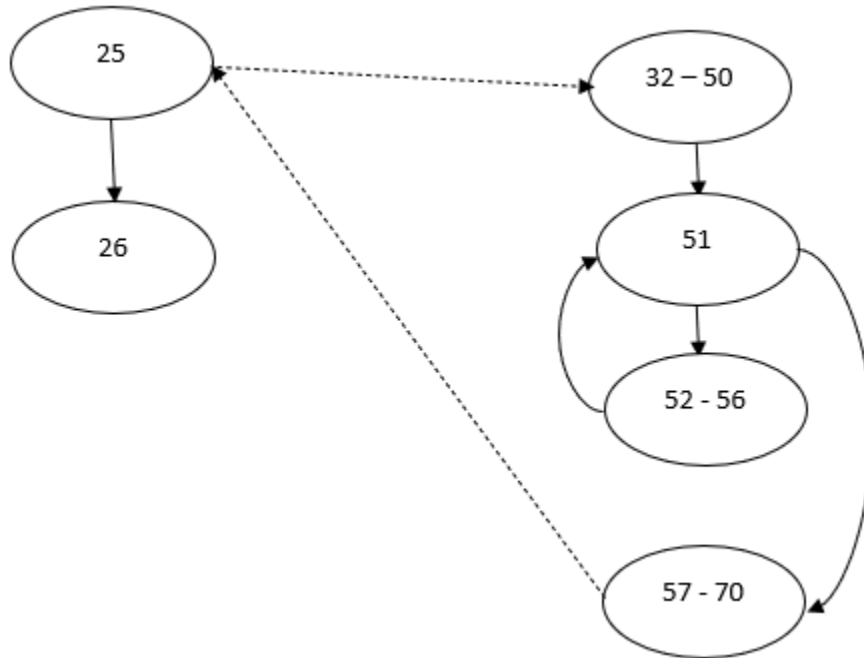Cyclomatic complexity = $(e - n - 2p)$

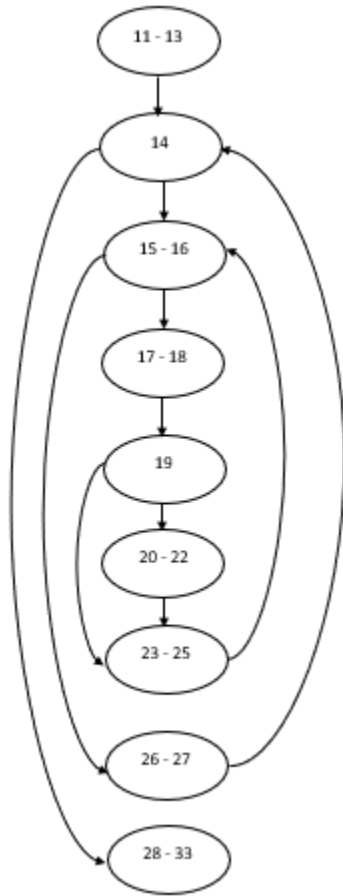Here e = number of edges, n = number of nodes, p = number of graphs

WebcameCapture.java:

Cyclomatic complexity = $(4 - 4 + 2) = 2$
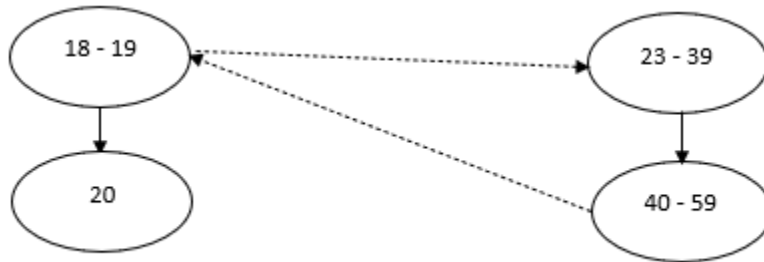
CroppppingOfImage.java:

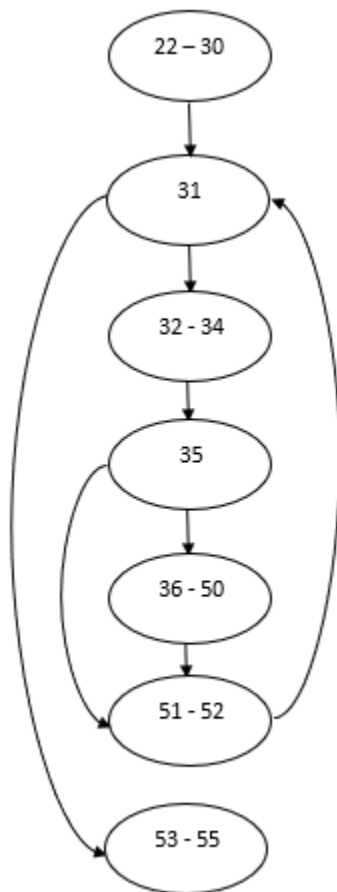Cyclomatic complexity = (5 – 6 +4) = 3

FaceSimillarityPercentage.java:

Cyclomatic complexity = $(11 - 9 + 2) = 4$
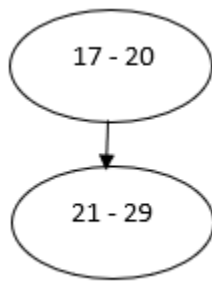
HistogramEqui.java:

Cyclomatic complexity = (2 − 4 + 4) = 2
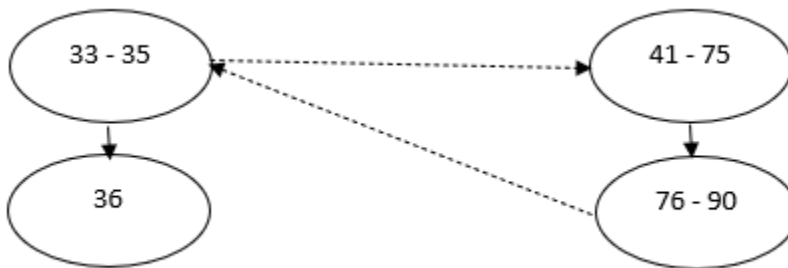
AdminMainClass.java:

Cyclomatic complexity = (8 − 7 + 2) = 3

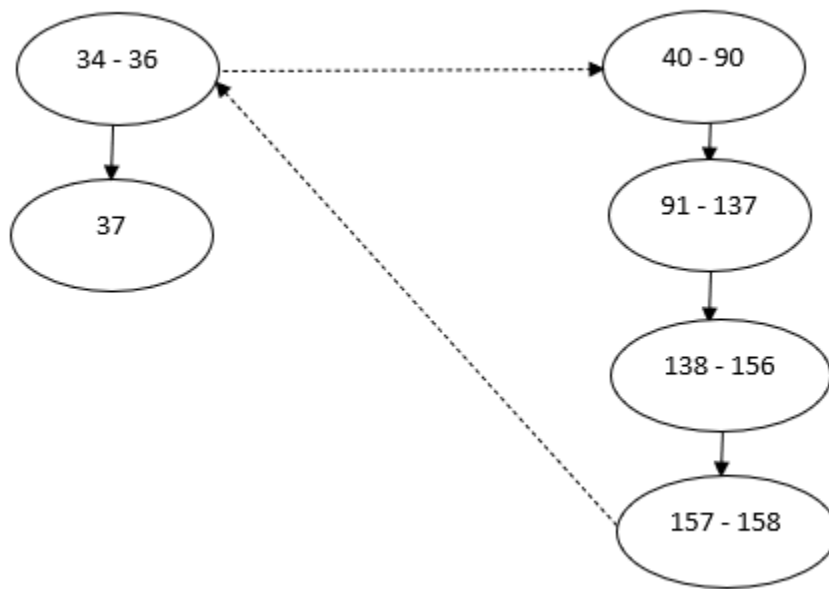**UserMainClass.java:**

Cyclomatic complexity = (1 -2 + 2) = 1
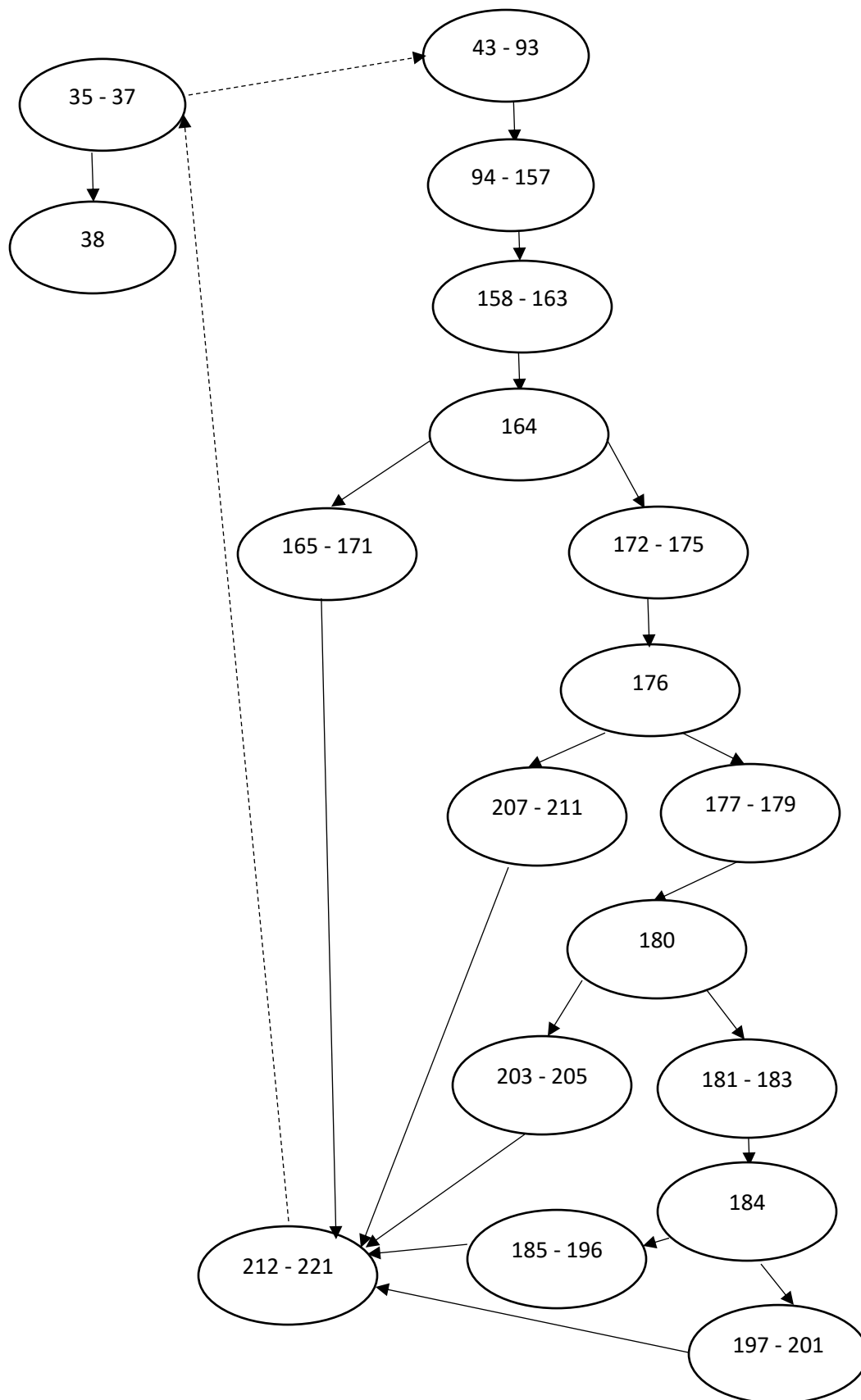
WelcomePage.java:

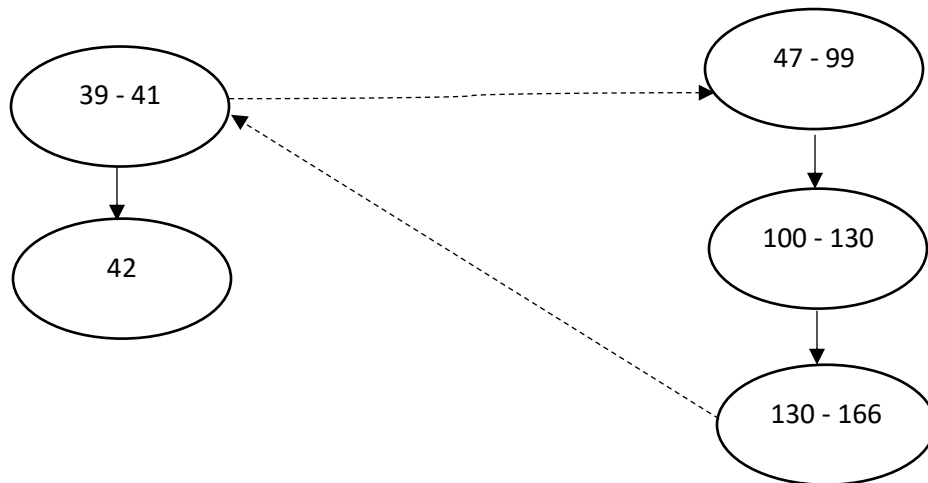Cyclomatic complexity = (2 – 4 + 4) = 2

EndingPageOfVoter.java:

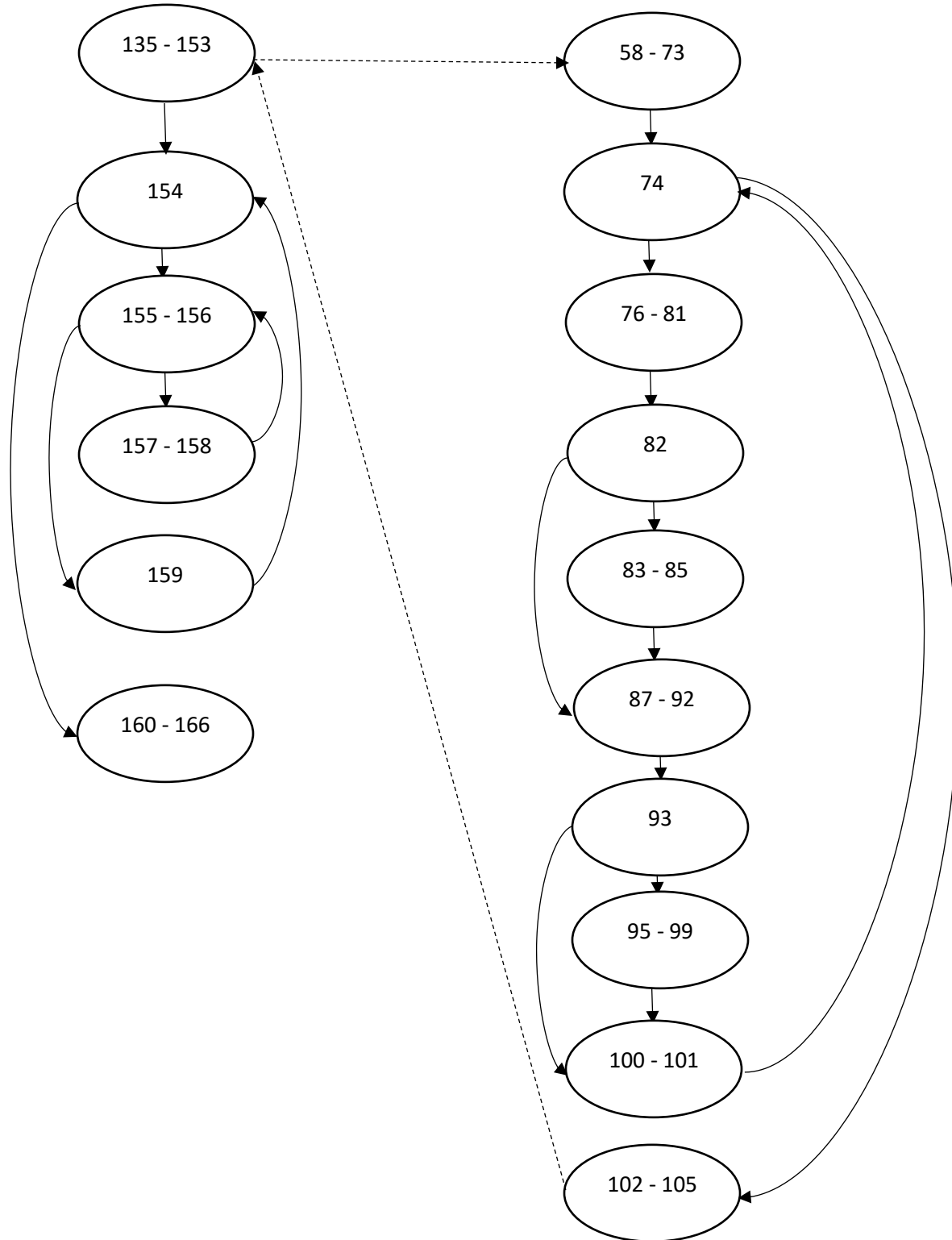Cyclomatic complexity = (4 − 6 + 4) = 2

UserPanel.java:

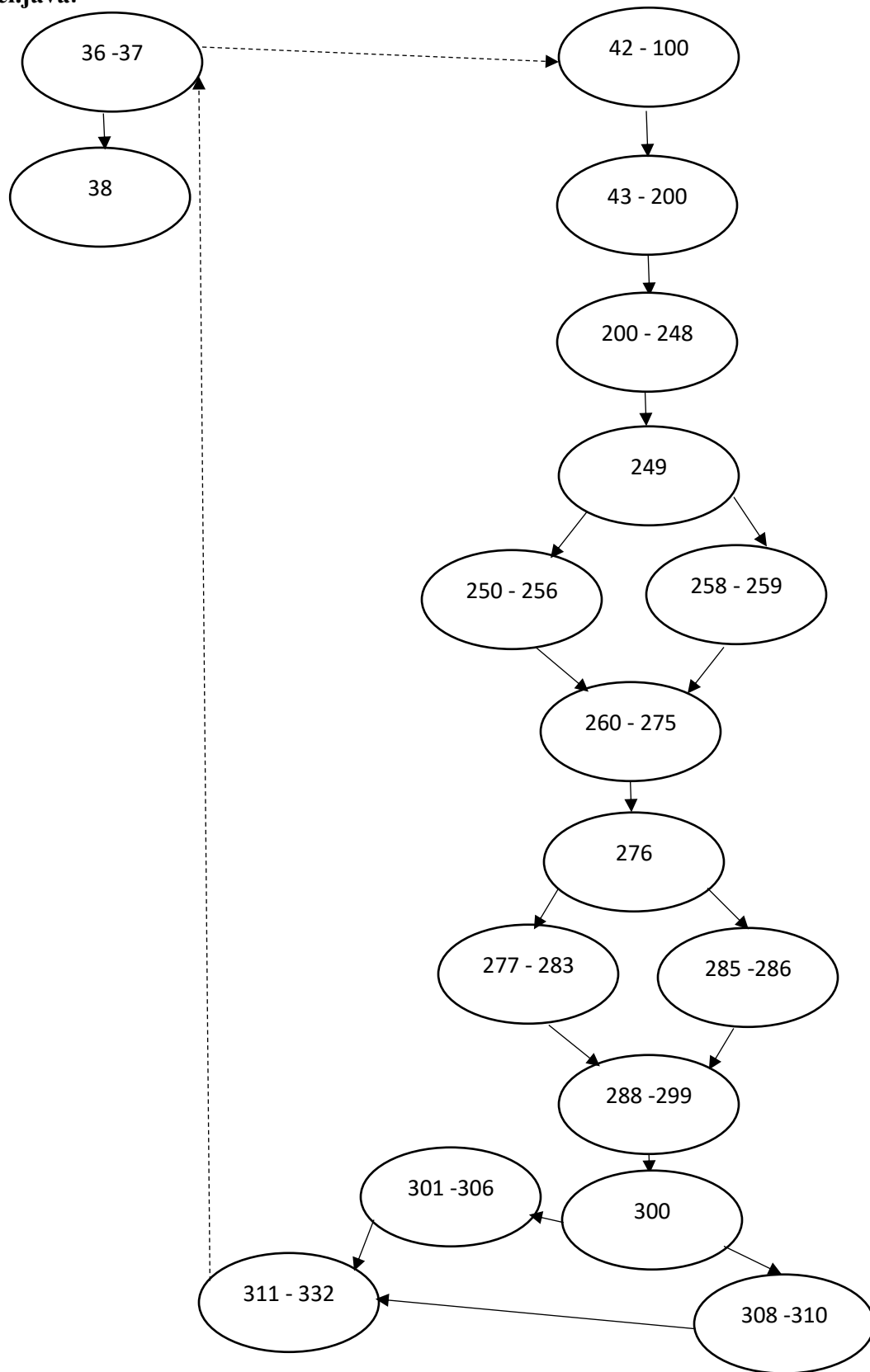Cyclomatic complexity = (20 – 18 + 4) = 6

StartingPageOfVoter.java:

Cyclomatic complexity = (3 – 5 + 4) = 2
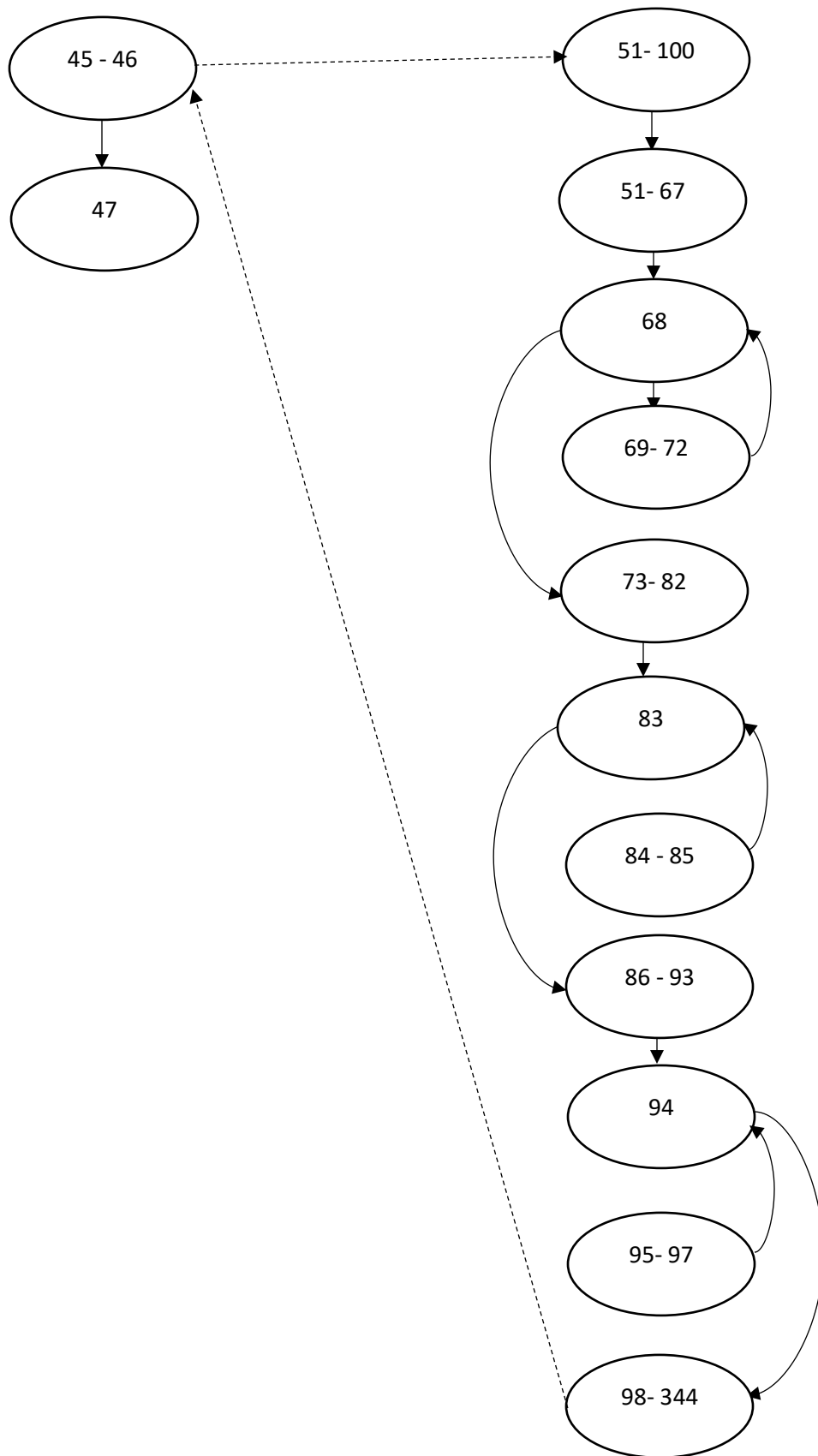
ImageToPixel.java:

Cyclomatic complexity = (19 – 16 + 4) = 7
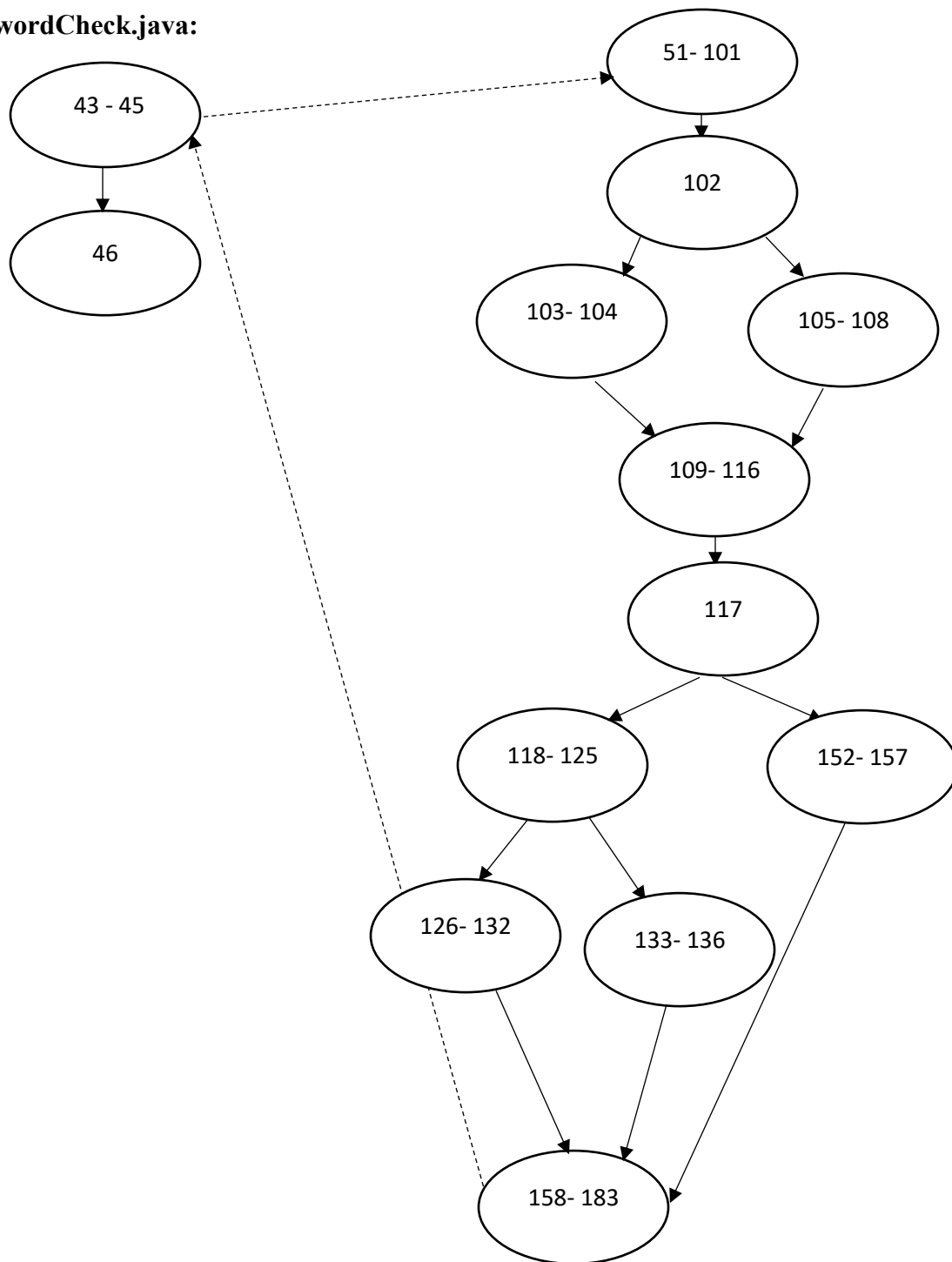
VoterPanel.java:

Cyclomatic complexity = (18 – 17 + 4) = 5
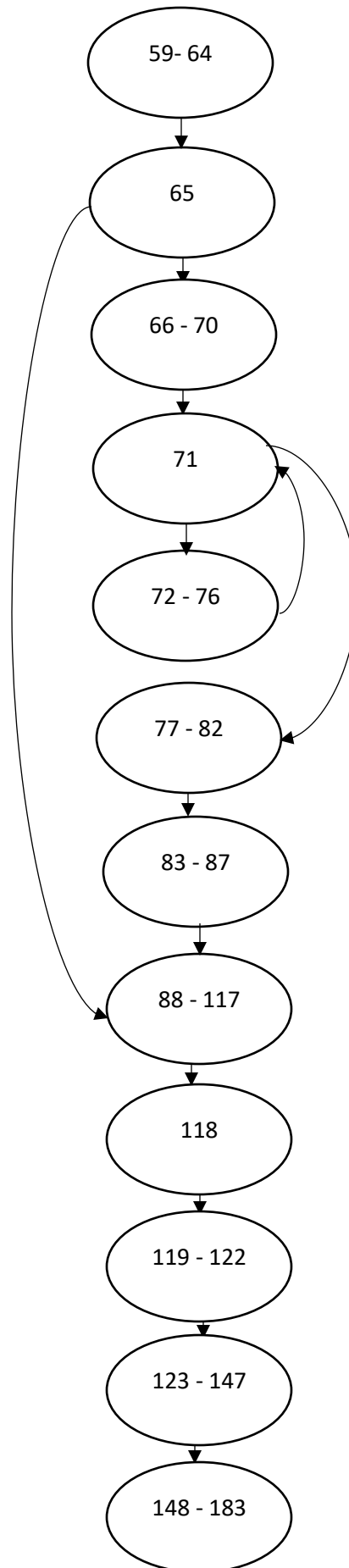
ResultPanel.java:

Cyclomatic complexity = (14 – 13 + 4) = 5

PasswordCheck.java:

Cyclomatic complexity = (14 – 13 + 4) = 5

ImageLoad.java:

Cyclomatic complexity = (13 – 12 + 2) = 3

Average cyclomatic complexity per class = (52 / 16) = 3.25