• ProgramStructure

o Programming(commands,logic)(2)

o Comments (2) 4/4

* Load matrix A csvread 1/1
* V0=[1,0,…,0]T 1/1

• Calculate voltages for 120 miliseconds:

o Loop (1)

o Vectors (1) 2/2

Goal\_1: Figure up to 𝑉 120

o Voltages at first 5 locations, actual data 2/2

Goal\_2 Text file of 𝑉 120 1/1

* Eigenvalues and eigenvectors of A 1/1
* Largest eigenvalue 1/1
* Goal\_3: Text file or Figure
* eigenvector corresponding to highest eigenvalue (1)

o Explanation (what is the same?) (1) 1/2

* incorrect explanation
* Calculate inverse inv(A) 2/1
* Calculate **vn** = 𝐴-1 𝑉 for n = 120 down to 98

o Loop (1)

o **vn** (1) 2/2

* Goal\_4: Figure : **vn** as circles on Vn lines 0/1

Wrong plot

Goal\_5: Text file: Comment on similarities/diffs on

forward/backward voltages 1/1

• Goal\_6: Text file: cond A, cond (𝐴-1) 2/2

• Goal\_7: Text file:

o Largest eigenvalues for A, 𝐴-1

o Comments on differences 2/2

• Goal\_8: Text file: **vn** and Vn in Voltages,csv 1/1