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set variable degrees as empty dictionary
set value of degrees at key A as 0
set value of degrees at key B as 0
set value of degrees at key C as 0
set value of degrees at key D as 0
set value of degrees at key E as 0
set value of degrees at key F as 0
set value of degrees at key G as 0
for each line in file edgelist.txt
  set variable node1 as value of the first item separated by - in line
  set variable previous value as value of degrees at key node1
  set value of degrees at key node1 as previous value + 1
  set variable node2 as value of the second item separated by - in line
  set variable previous value as value of degrees at key node2
  set value of degrees at key node2 as previous value + 1
for each node name, degree value in degrees
  print node name has the degree of degree value
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The image shows a Scratch script designed to calculate the degree of each node in a network. It begins by creating an empty dictionary named 'degrees'. Then, it initializes the degree for seven nodes (A through G) to 0. A loop processes each line of a file named 'edgelist.txt'. For each line, it splits the line at a hyphen to identify two nodes. For each node, it retrieves its current degree from the dictionary, increments it by 1, and updates the dictionary. Finally, a loop iterates through the 'degrees' dictionary to print the degree for each node.