

NETWORKS AND COMPLEXITY

Solution 19-5

*This is an example solution from the forthcoming book *Networks and Complexity*.*

Find more exercises at <https://github.com/NC-Book/NCB>

Ex 19.5: Traffic: Degree centrality [3]

Consider the network from the previous exercise again, but this time determine the degree centrality. Is the result reasonable?

Solution

This one is straight forward.

A: 3, B: 4, C: 4, D: 3, E: 4, F: 4, G: 4, H: 3, X: 1

The result is reasonable but not very useful. It tells us that crossroads are more important than dead ends, but does not help us distinguish the relative importance of the degree 4 nodes.