Closeness Centrality Calculation:

Gephi equation (we think) \( \Rightarrow C(x) = \frac{1}{\sum_y d(x,y)} \)

computing closeness centrality for db5, HM01, weighted

Gephi reporting 0.55

assuming from \( x \rightarrow y \)

HM01 weights:

\[
\sum_y = (0.5453) + (0.4667) + (0.04830) + (0.3959) + (0.3959 + 0.08035)
\]

\[
+ (0.3959 + 0.08035 + 1.806) + (0.3959 + 0.3287) + (0.3959 + 0.3287 + -1.716)
\]

\[
+ (0.3959 + -0.2396) + (0.100) + (0.100 + 0.4358) + (0.100 + -1.537)
\]

= 3.223

\[
C(x) = \frac{1}{3.223} (12-1) = 3.413 \neq 0.55
\]

unweighted?

\[
\sum_y = (1) + (1) + (1) + (1) + (2) + (3)
\]

\[
+ (2) + (3) + (2) + (1) + (2) + (2)
\]

= 20

\[
C(x) = \frac{1}{20} (12-1) = 0.55
\]