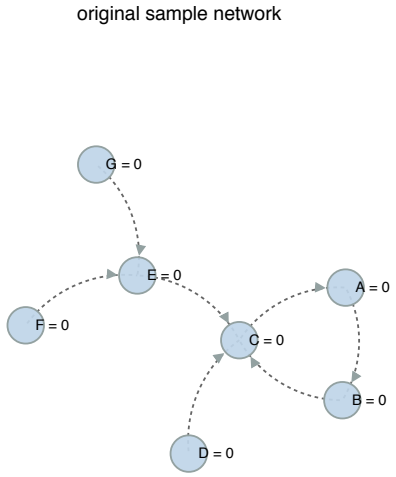
Traversal Algorithm

article		first link
A	→	B
B	→	C
C	→	A
D	→	C
E	→	C
F	→	E
G	→	E

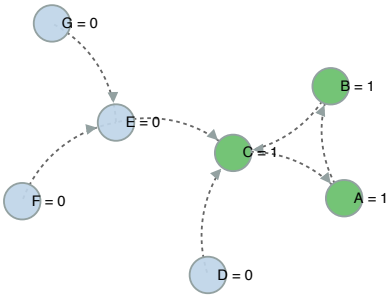


Construct a Path Vector for each article

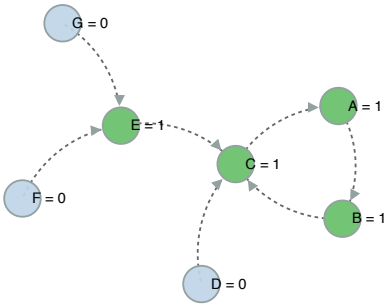
follow first link path until an article is repeated (or an invalid link)

$$\begin{bmatrix} A_{\text{path}} \\ B_{\text{path}} \\ C_{\text{path}} \\ D_{\text{path}} \\ E_{\text{path}} \\ F_{\text{path}} \\ G_{\text{path}} \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 0 & 0 & 0 & 0 \\ 1 & 1 & 1 & 0 & 0 & 0 & 0 \\ 1 & 1 & 1 & 0 & 0 & 0 & 0 \\ 1 & 1 & 1 & 0 & 0 & 0 & 0 \\ 1 & 1 & 1 & 0 & 0 & 0 & 0 \\ 1 & 1 & 1 & 0 & 1 & 0 & 0 \\ 1 & 1 & 1 & 0 & 1 & 0 & 0 \end{bmatrix}$$

traversal path for article A



traversal path for article G



$$\textbf{traversal visits vector} = \sum_{\text{article = A}}^{\text{article = G}} \text{article}_{\text{path}}$$