Traversal Algorithm

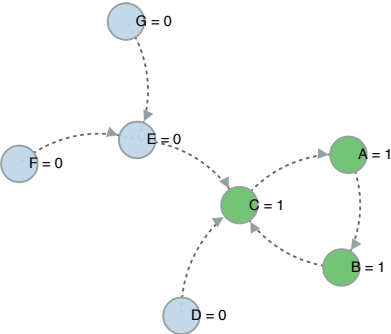| article		first link
A	$\rightarrow$	B
B	$\rightarrow$	C
C	$\rightarrow$	A
D	$\rightarrow$	C
E	$\rightarrow$	C
F	$\rightarrow$	E
G	$\rightarrow$	E

original sample network
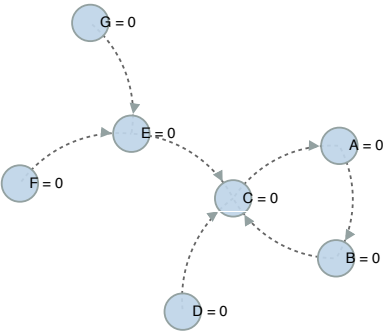
Traversal Visit Vectors

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

$$
\begin{bmatrix}
\vec{A}_{\text{visit}} \\
\vec{B}_{\text{visit}} \\
\vec{C}_{\text{visit}} \\
\vec{D}_{\text{visit}} \\
\vec{E}_{\text{visit}} \\
\vec{F}_{\text{visit}} \\
\vec{G}_{\text{visit}}
\end{bmatrix}
=
\begin{bmatrix}
1 & 1 & 1 & 1 & 1 & 1 & 1 \\
1 & 1 & 1 & 1 & 1 & 1 & 1 \\
1 & 1 & 1 & 1 & 1 & 1 & 1 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 1 & 1 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0
\end{bmatrix}
$$

traversal visit path for article A

traversal visit path for article G