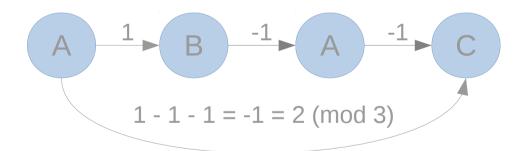


$$R(A, A) = 0$$
 $R(B, B) = 0$ $R(C, C) = 0$

$$R(A, B) = 1 R(B, A) = -1$$

$$R(B, C) = 1 R(C, B) = -1$$

$$R(C, A) = 1 R(A, C) = -1$$



A
$$1 \rightarrow B$$
 $1 \rightarrow C$ $A \rightarrow B$ $1 + 1 + 1 + 1 = 1 \pmod{3}$