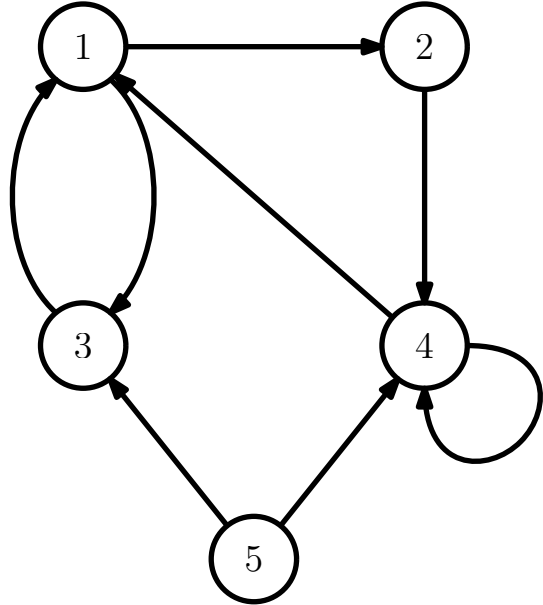


$$V = \{1, 2, 3, 4\}, |V| = 4$$

$$E = \{(1, 2), (1, 3), (2, 3), (2, 4)\}$$

$$N(2) = \{1, 3, 4\}$$

$$\deg(3) = 2$$



$$V = \{1, 2, 3, 4, 5\}, |V| = 5$$

$$E = \{(1, 2), (1, 3), (2, 4), (4, 1), (4, 4), (5, 3), (5, 4)\}$$

$$N^+(1) = \{2, 3\}, N^-(1) = \{3, 4\}, N(1) = \{2, 3, 3, 4\}$$

$$\deg^+(4) = 3, \deg^-(4) = 3, \deg(4) = 5$$