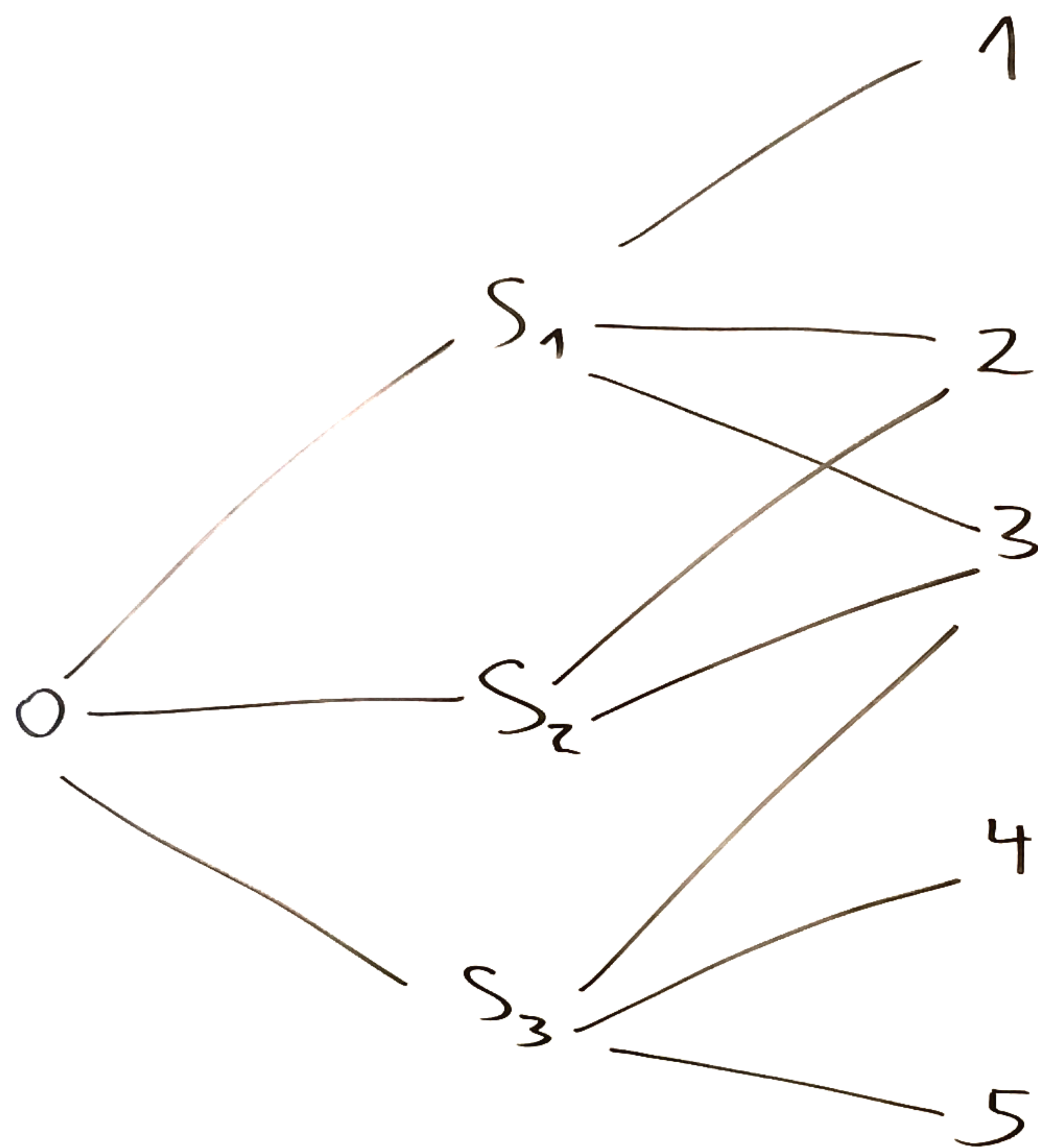


subsets S_i universe U



$$S_1 = \{1, 2, 3\}$$

$$S_2 = \{2, 3\}$$

$$S_3 = \{3, 4, 5\}$$

$$S = \{S_1, S_2, S_3\}$$

$$U = \{1, 2, 3, 4, 5\}$$

$$k_{\text{SET-COVER}} = 2$$

$$k_{\text{STEINER}} = |U| + k_{\text{SET-COVER}}$$