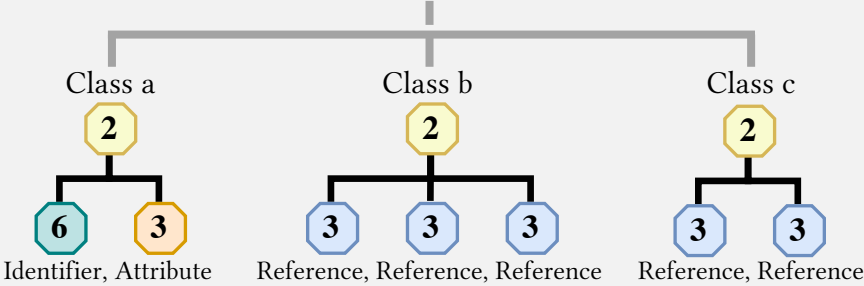


1. Token Tree



2. Subtree Vectors

$$v_a = [1, 1, 0, \dots, 0]$$

$$v_b = [0, 0, 3, \dots, 0]$$

$$v_c = [0, 0, 2, \dots, 0]$$

3. Normalized Vector

$$\|v_a\|_2 = [.7, .7, 0, \dots, 0]$$

$$\|v_b\|_2 = [0, 0, 1, \dots, 0]$$

$$\|v_c\|_2 = [0, 0, 1, \dots, 0]$$

4. Euclidean Distance

$$D = \begin{pmatrix} 0 & 0.765 & 0.765 \\ 0.765 & 0 & 0 \\ 0.765 & 0 & 0 \end{pmatrix}$$

5. Nearest Neighbor Path

$$P = (b, c, a)$$

6. Normalized Token Sequence

