



```

graph TD
    Root[ ] ---| "x > 1.2" | Node1[ ]
    Root ---| "x > 1.2" | Node2[ ]
    Node1 ---| "x > 1.2" | Leaf1[ ]
    Node2 ---| "x > 1.82" | Node3[ ]
    Node2 ---| "x > 1.82" | Node4[ ]
    Node3 ---| "x > 1.82" | Leaf2[ ]
    Node4 ---| "x > 1.99" | Node5[ ]
    Node4 ---| "x > 1.99" | Node6[ ]
    Node5 ---| "x > 1.99" | Leaf3[ ]
    Node6 ---| "x > 1.99" | Leaf4[ ]

```

path length( $\bullet$ ) = 1	path length( $\bullet \bullet \bullet$ ) = 8/3
path length( $\bullet$ ) = 2	path length( $\bullet \bullet \bullet$ ) = 7/3
path length( $\bullet$ ) = 3	path length( $\bullet \bullet \bullet$ ) = 6/3
path length( $\bullet$ ) = 3	path length( $\bullet \bullet \bullet$ ) = 6/3

$$\text{score}(\bullet) = \exp_2 \left( - \frac{\text{average path length}(\bullet)}{\text{average path length}(\bullet \circ \circ)} \right) \approx 0.77$$

$$\text{score}(\circ) = \exp_2 \left( - \frac{\text{average path length}(\circ)}{\text{average path length}(\bullet \circ \circ)} \right) \approx 0.45$$

$$\text{score}(\circ) = \exp_2 \left( - \frac{\text{average path length}(\circ)}{\text{average path length}(\bullet \circ \circ)} \right) \approx 0.35$$

$$\text{score}(\circ) = \exp_2 \left( - \frac{\text{average path length}(\circ)}{\text{average path length}(\bullet \circ \circ)} \right) \approx 0.45$$

