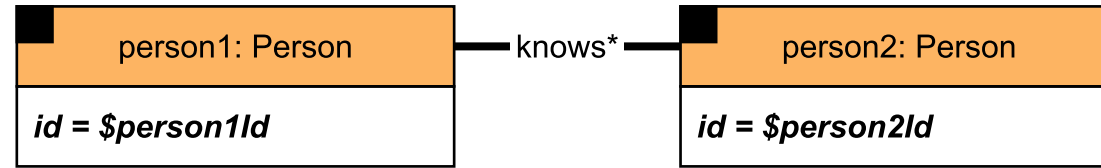
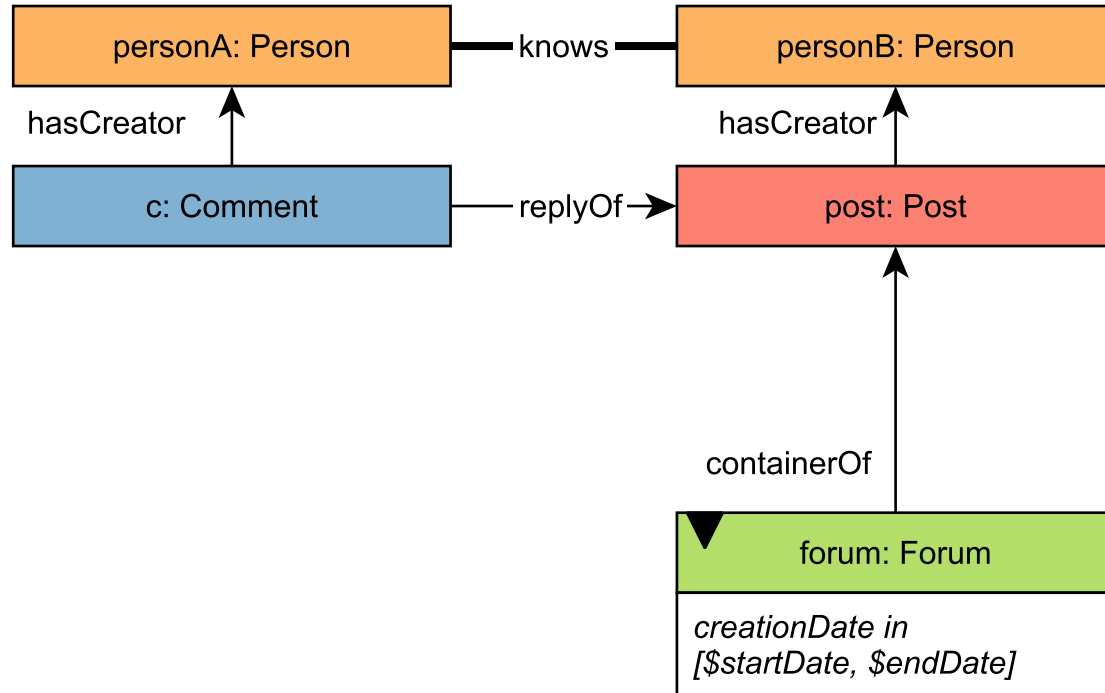


Calculate the weight of the shortest path on knows edges between person1 and person2. Edge weights are determined as  $1 / (\text{interaction score} + 1)$ , where interaction score is the sum of cases #1 and #2 for the Person endpoints of the edge (tried both ways).



Case 1: Replies on Posts, weight +=  $1.0 \times \text{count}(c)$



Case 2: Replies on Comments, weight +=  $0.5 \times \text{count}(c1)$

