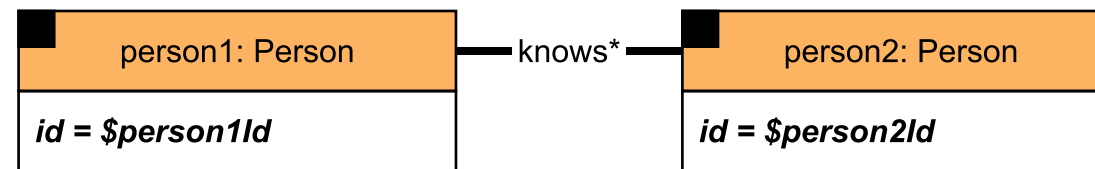
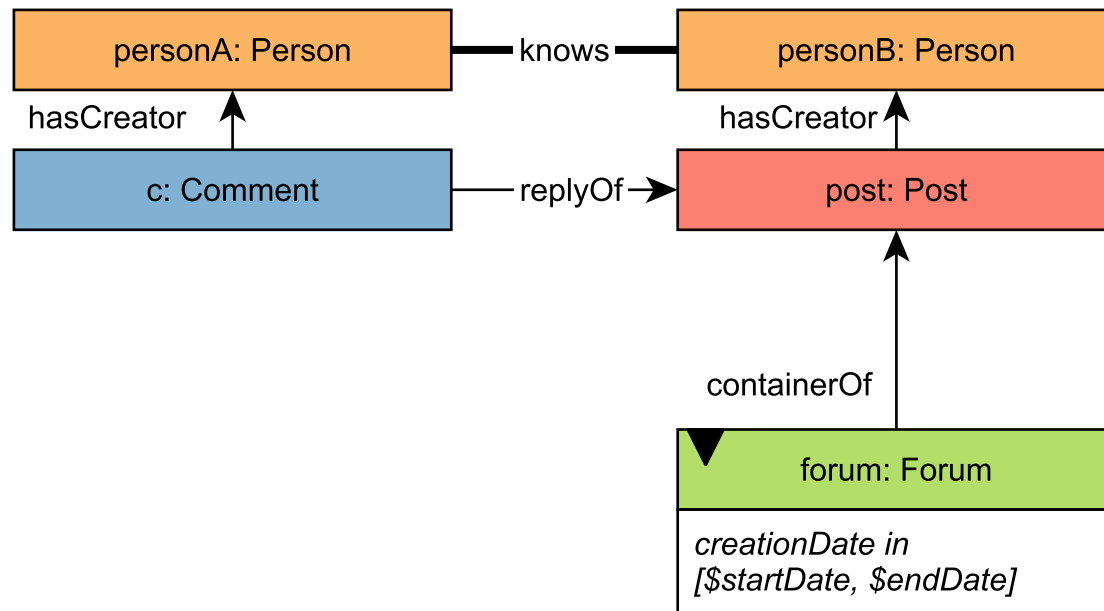


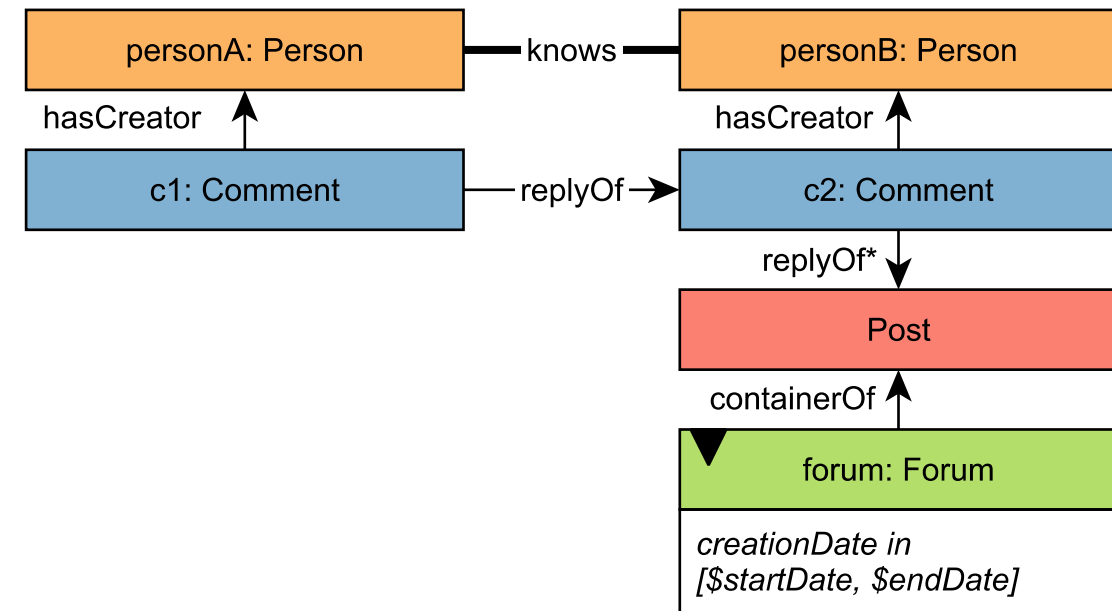
Calculate the weight of the shortest path on knows edges between person1 and person2. Edge weights are determined as  $1 / (\text{interaction score} + 1)$ , where interaction score is the sum of cases #1 and #2 for the Person endpoints of the edge (tried both ways).



Case 1: Replies on Posts, weight += 1.0 × count(c)



Case 2: Replies on Comments, weight += 0.5 × count(c1)



### Example for finding a path between person1 and person2

