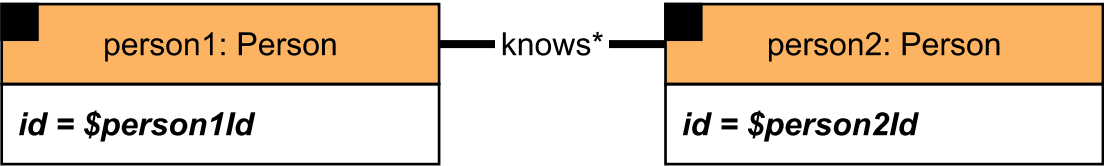
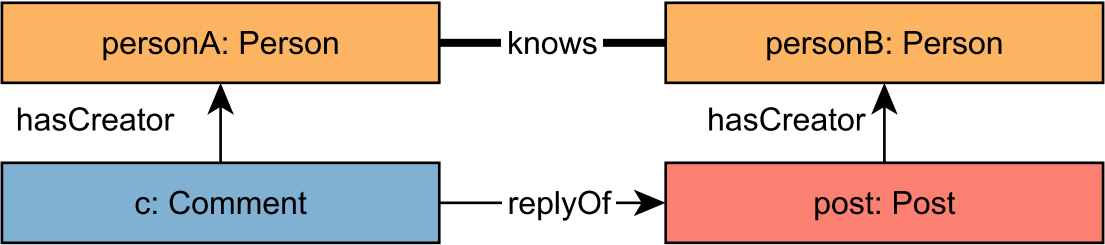


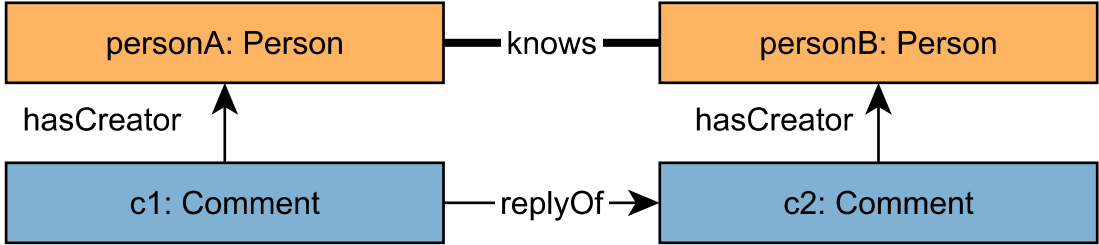
Enumerate all unweighted shortest paths on knows edges from person1 to person2. For each edge on the path, calculate a weight based on interactions between the pair of Persons of the edge as a sum of cases #1 and #2 for the Persons (both ways), and the sum of these weights determine the total weight of each path.



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

