D_G	\mathcal{C}_{D_G}
(A, :likes, I1)	(1, 1, 2)
(A, :likes, I2)	(1, 1, 3)
(A, :follows, B)	(1, 2, 4)
(B, :related, h)	(4, 3, 5)
(B, :follows, C)	(4, 2, 6)
(B, :follows, D)	(4, 2, 7)
(C, :likes, I2)	(6, 1, 3)
(C, :follows, D)	(6, 2, 7)
(D, :related, h)	(7, 3, 5)