

Person

<u>Name</u>	Gender	Coffee Drinker
anna	W	T
bob	M	F

Friend

<u>Name1</u>	<u>Name2</u>
anna	bob
bob	anna

$$P(\text{cd}(X) = T \mid g(X) = M) = .6$$
$$P(\text{cd}(X) = T \mid g(X) = W) = .8$$

gender(Y)

Friend(X,Y)

CoffeeDr(X)

gender(X)

$$P(g(X) = W \mid g(Y) = M, F(X,Y) = T) = .7$$
$$P(g(X) = M \mid g(Y) = W, F(X,Y) = T) = .3$$

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