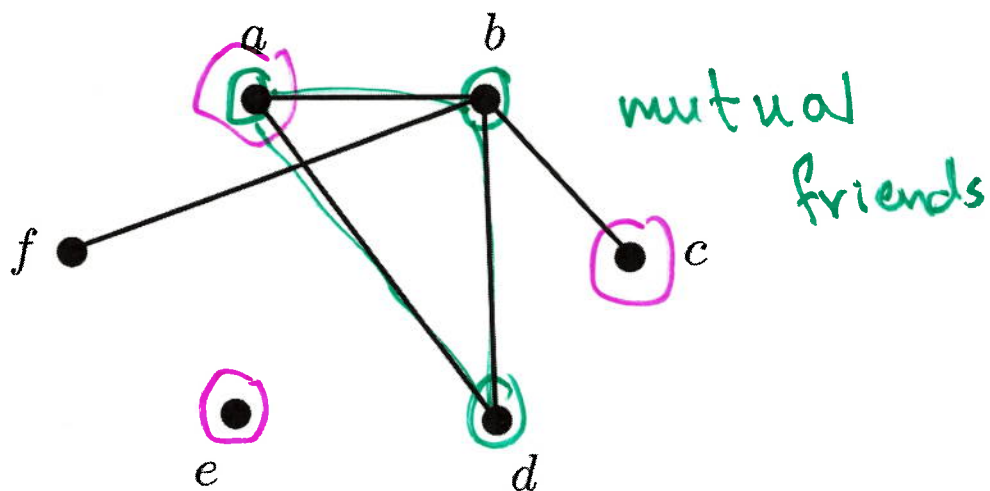


Another example: **friendships between people** at a party. Use dots to represent people and lines to represent friendships:



(For example, person  $a$  and person  $b$  are friends.)

Fact among any 6 people, there must be either 3 mutual friends or 3 "mutual strangers"

(Ramsey Theory - Math 158)

Read §1.2 in book