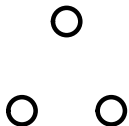
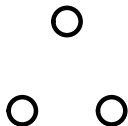


Scenario 1

Household A



Household B



Scenario 2

Household A



Household B



Household C



Circles represent individual people. In both scenarios, $P = 6$ and $M_p = 3$, yet the number of households differs.