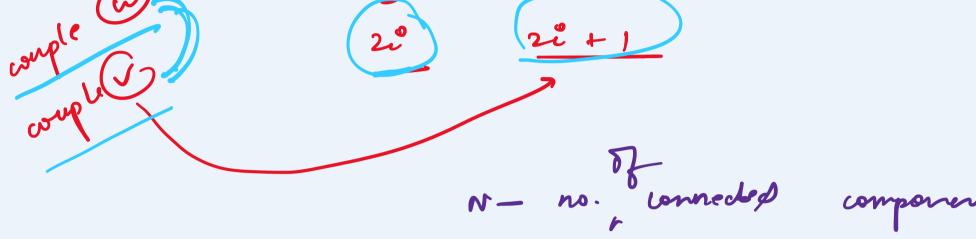
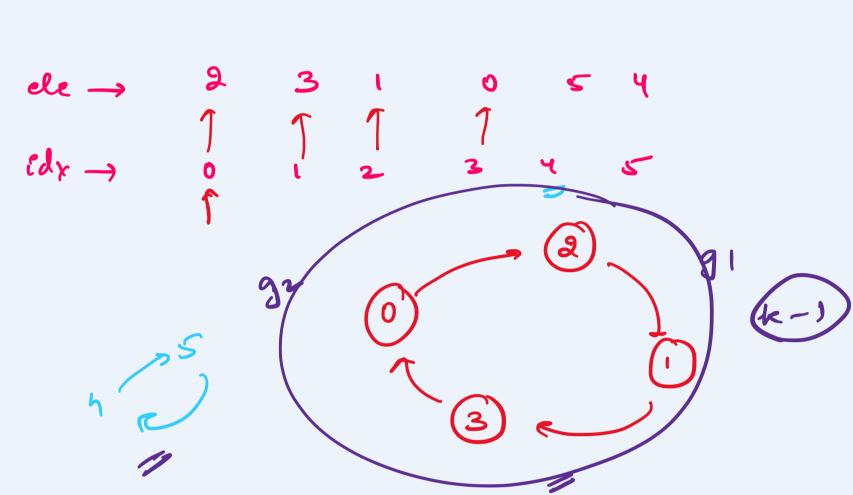


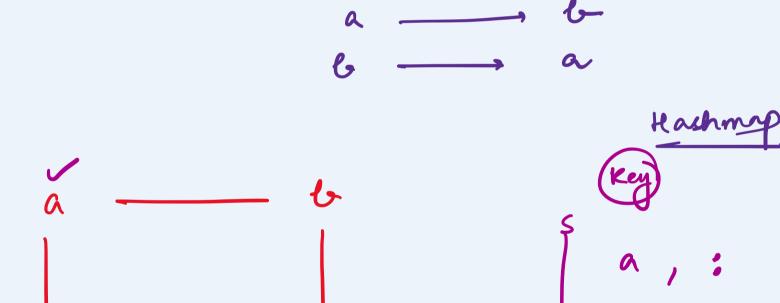
For every couple sitting at couches \times 2 Y, raw an undirected edge from \times to Y.





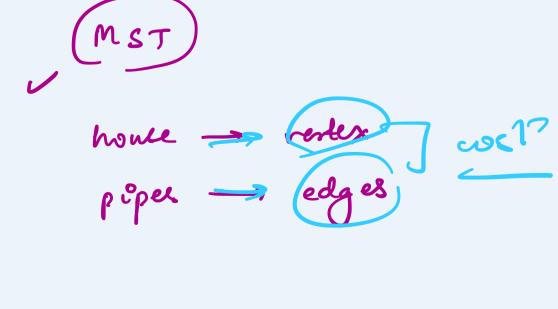
Q Clone graph

a ______



$$\begin{cases} a \longrightarrow a' \\ t \longrightarrow b' \\ c \longrightarrow c' \\ 1 \longrightarrow a' \end{cases}$$

9 optimize water distribution in a village



Q Court ways to build ant colony (HW)