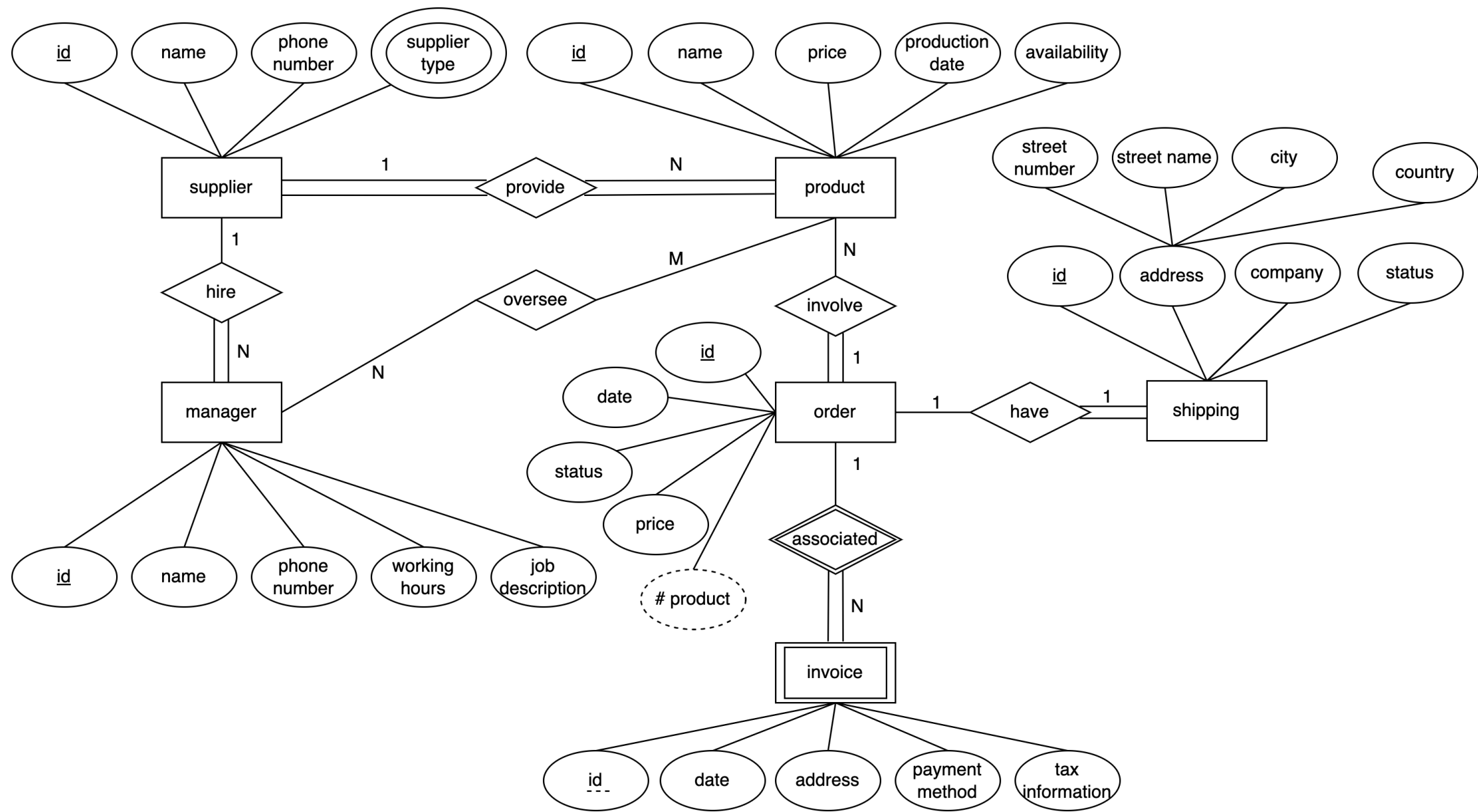
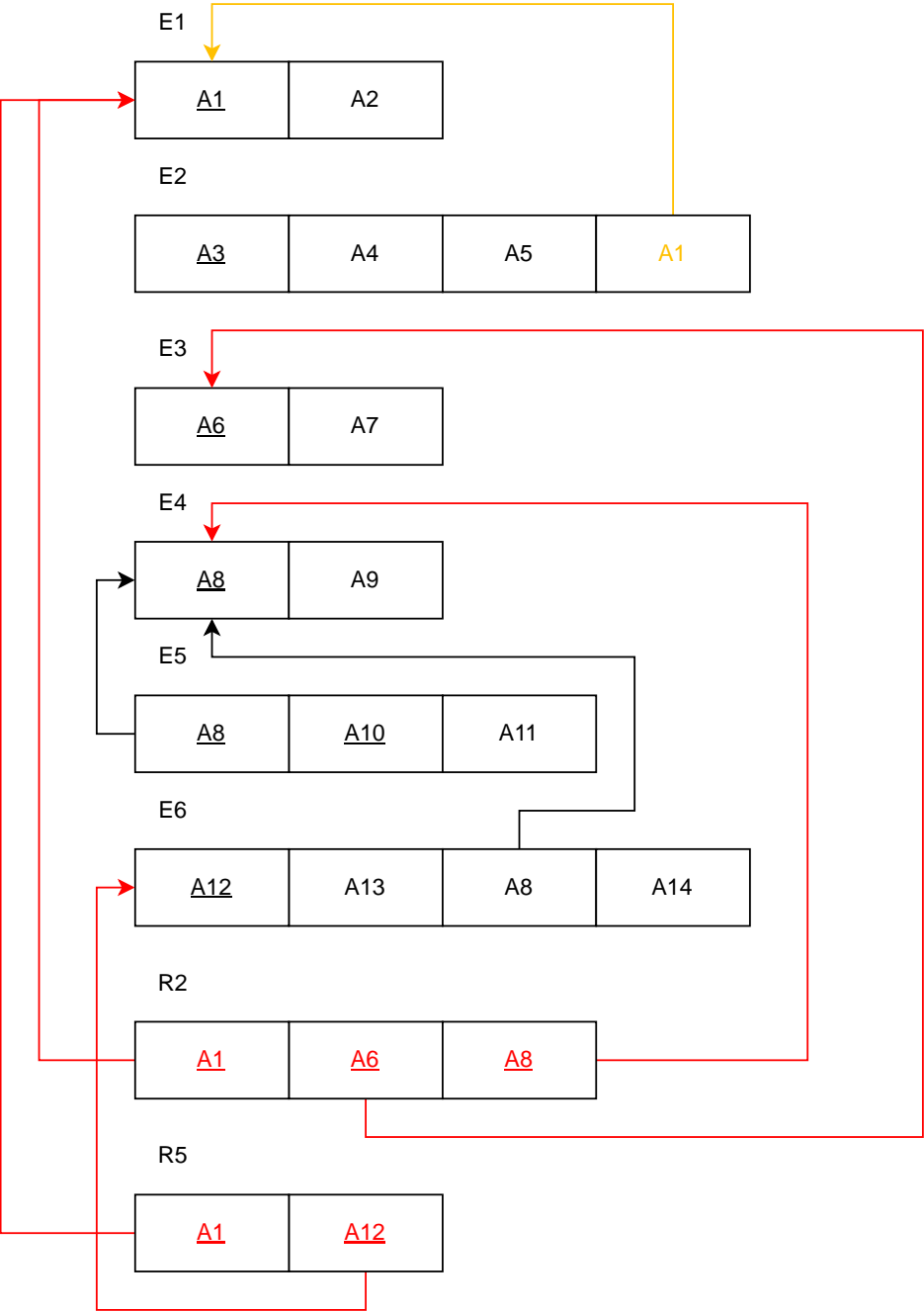


Question 1



Question 2



$$\pi_{\{gName\}} \left(\sigma_{genre='role-playing' \text{ and } price < 200} (Game \bowtie Genre) \right)$$

$$R_1 = \sigma_{duration > 3 \text{ and } platform='Windows'} (Player \bowtie Play \bowtie Game)$$

$$R_2 = \pi_{\{pName\}} \left(\pi_{\{pID\}} \left(\sigma_{Count(gID) > 5} (\gamma_{pID, Count(gID)} R_1) \right) \bowtie Player \right)$$

$$R_1 = \pi_{\{gID\}} (\sigma_{genre='Adventure'} Genre) \cap \pi_{\{gID\}} (\sigma_{genre='Action'} Genre)$$

$$R_2 = \pi_{\{gName\}} \left(\sigma_{nationality='German'} (Player \bowtie Play \bowtie R_1 \bowtie Game) \right)$$

$$R_1 = \pi_{\{pID\}} \left(\sigma_{platform='PSP'} (Player \bowtie Play \bowtie Game) \right) - \pi_{\{pID\}} \left(\sigma_{platform \neq 'PSP'} (Player \bowtie Play \bowtie Game) \right)$$

$$R_2 = \pi_{\{pID\}} Player - \pi_{\{pID\}} \left(\sigma_{genre='Fighting'} (Player \bowtie Play \bowtie Genre) \right)$$

$$R_3 = \pi_{\{pName\}} \left((R_1 \cap R_2) \bowtie \sigma_{nationality='Italian'} Player \right)$$