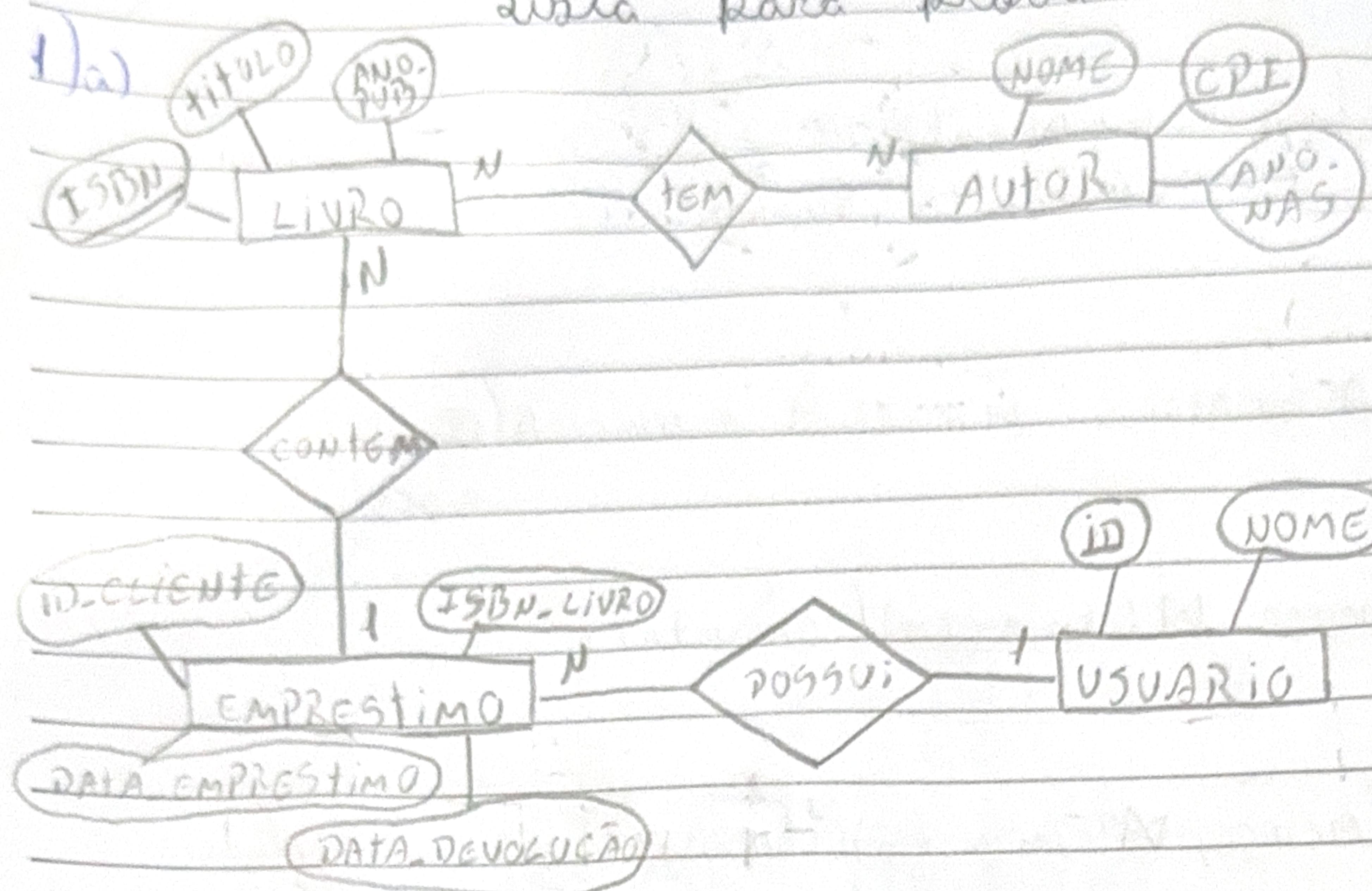
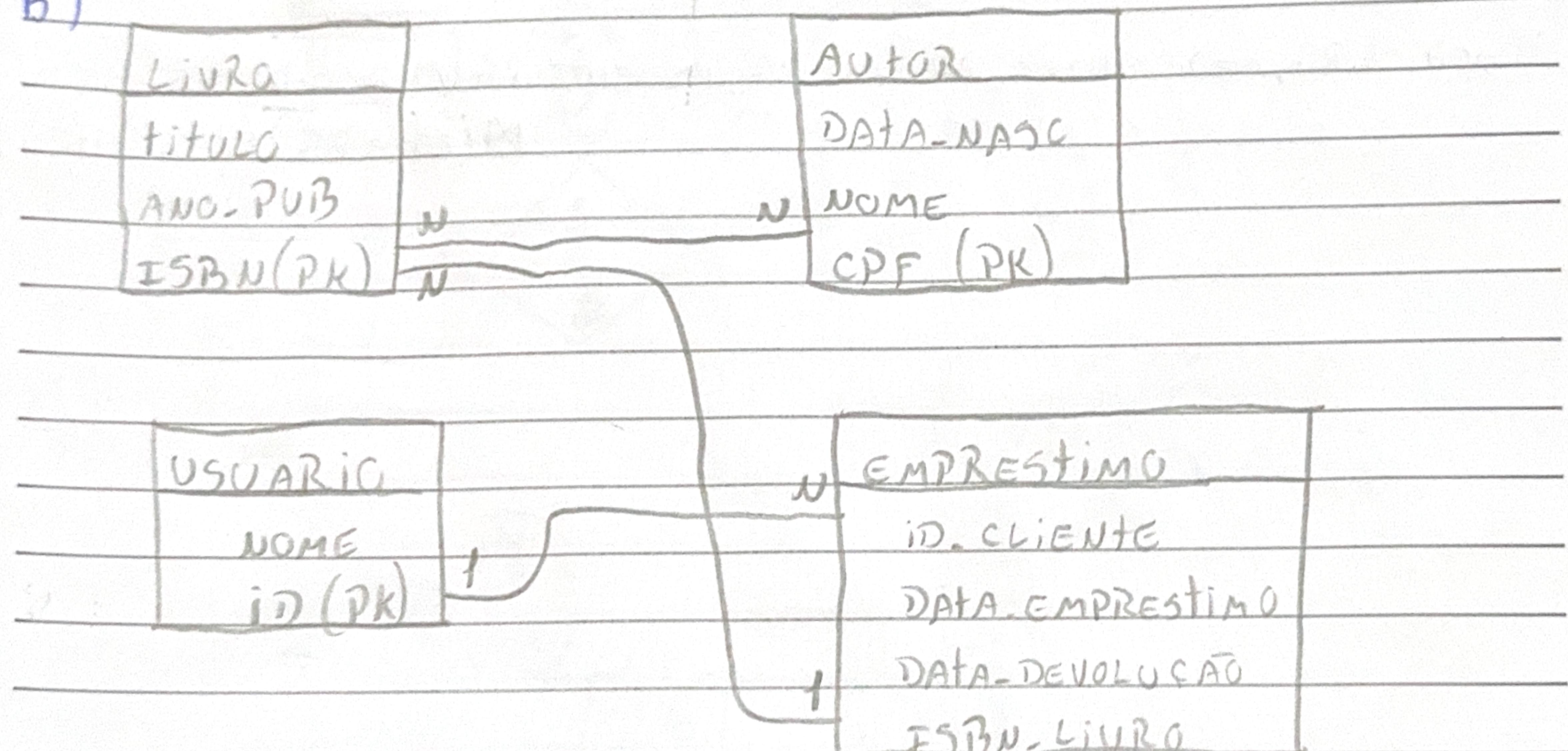


ATIVIDADE 6:

Lista para prova:



b)



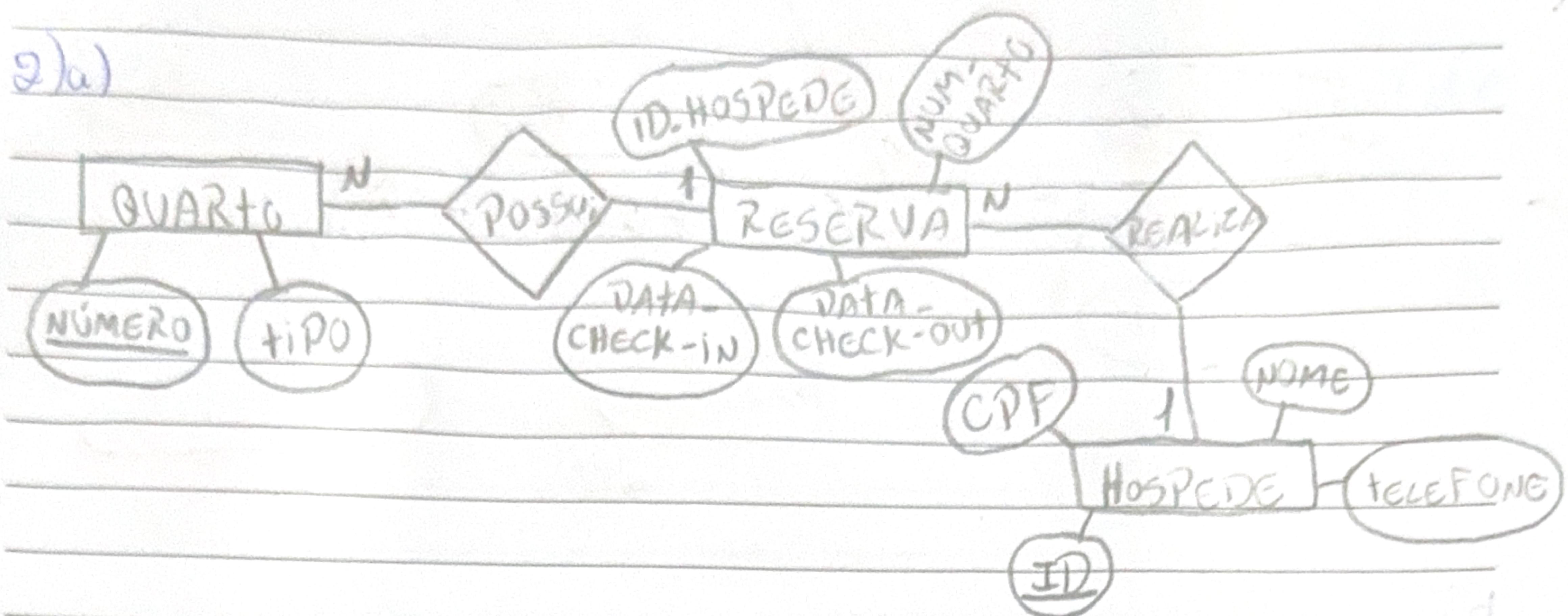
c) 1.) $\nexists \text{ISBN-LIVRO} (\exists \text{DATA-EMPRESTIMO} > \#\#\#\#\# / 2025 (\text{EMPRESTIMO}))$.

2.) $\nexists \text{NOME} (\exists \text{ANO-PUB} > \#\#\#\#\# / 2000 (\text{AUTOR} \bowtie \text{LIVRO}))$.

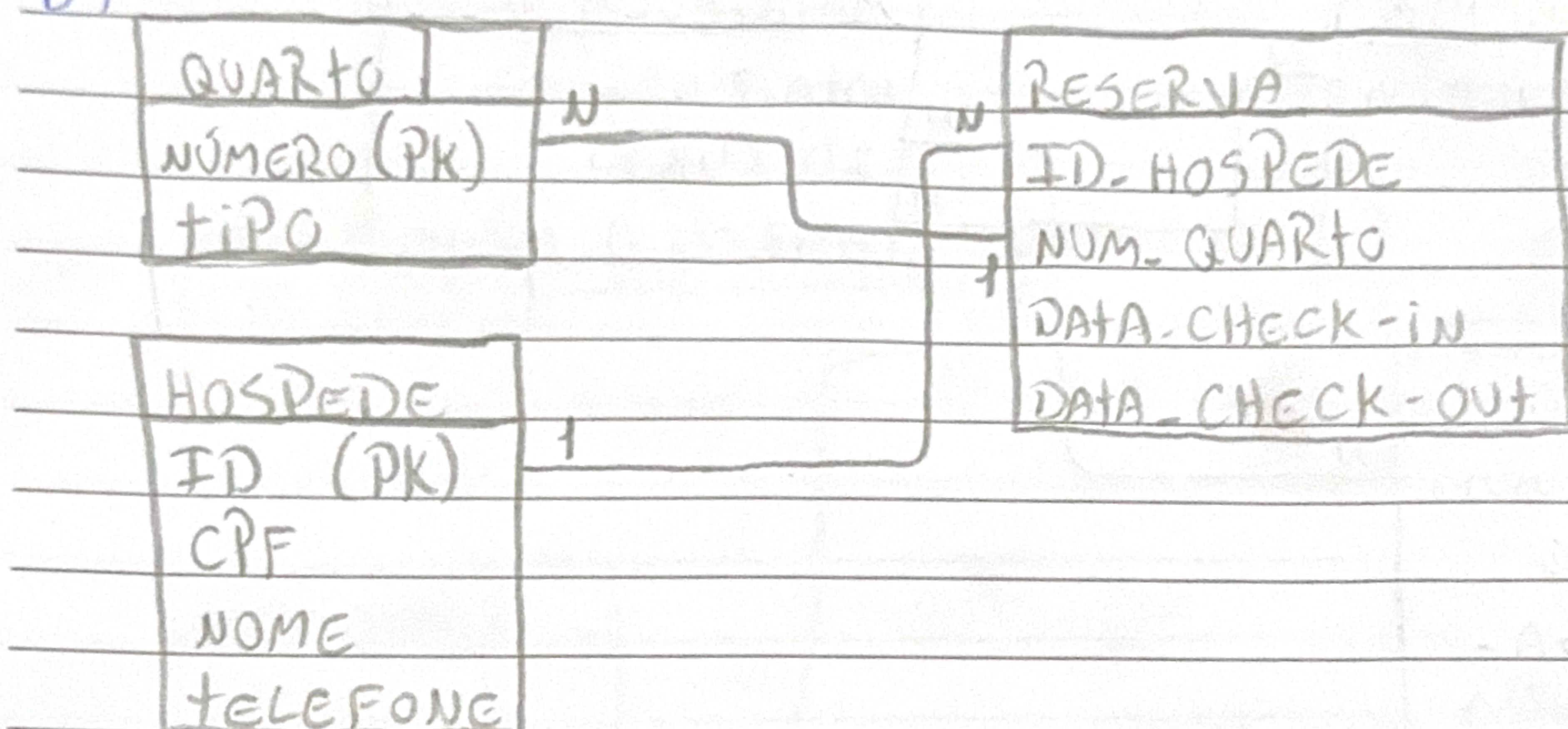
3.) $\nexists \text{ID-CLIENTE} (\exists \text{DATA-DEVOLUCAO} > \text{DATA-DEVOLUCAO-PREVISTA} (\text{EMPRESTIMO}))$.

FORON: 4.) $\nexists \text{TITULO} (\exists \text{DATA-NASC} > \#\#\#\#\# / 1970 (\text{AUTOR} \bowtie \text{LIVRO}))$.

2.a)



b)



c).1.)

$\Pi_{NÚMERO} (\delta_{check-in \geq 'DATA1' \wedge check-out \leq 'DATA2'}(RESERVA))$.

2.)

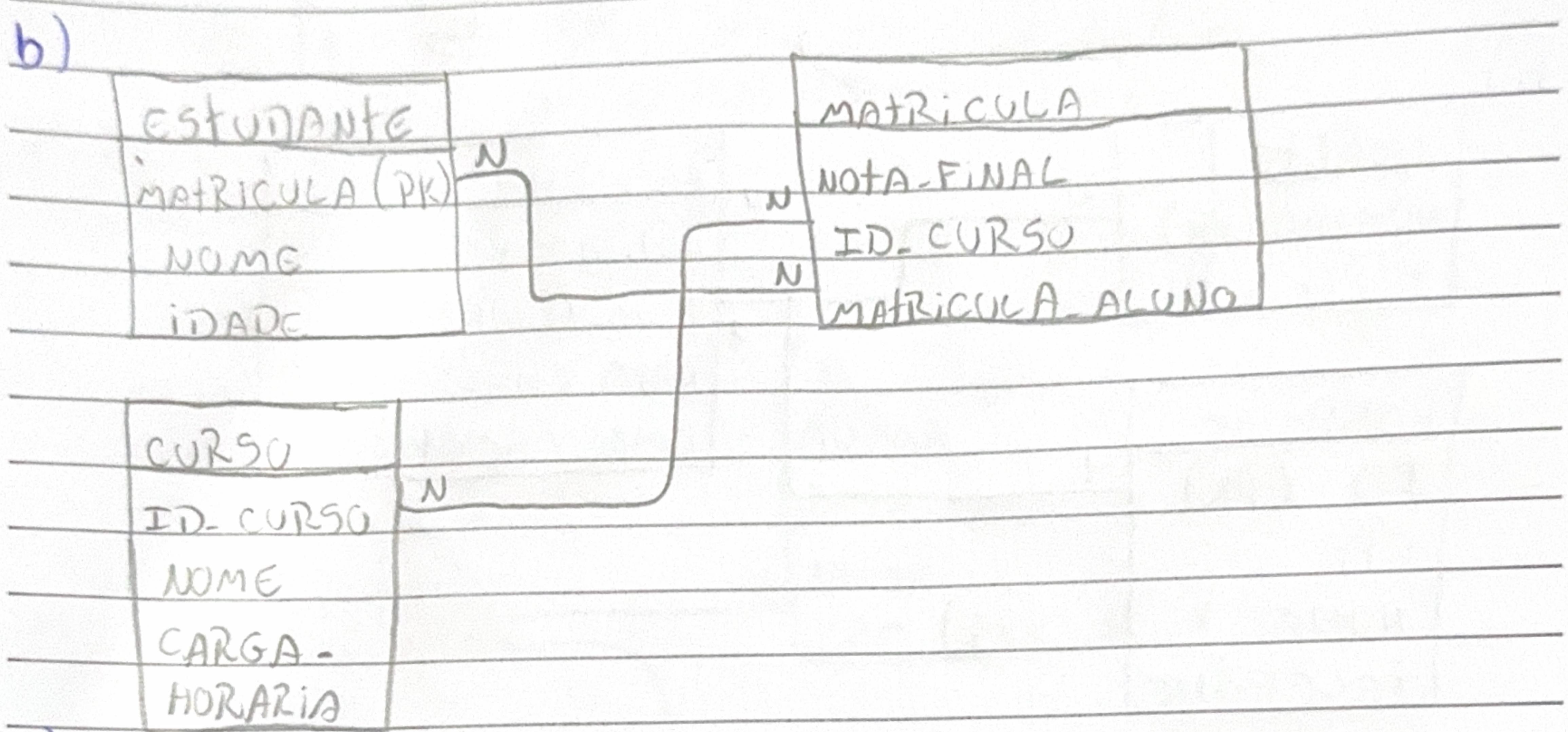
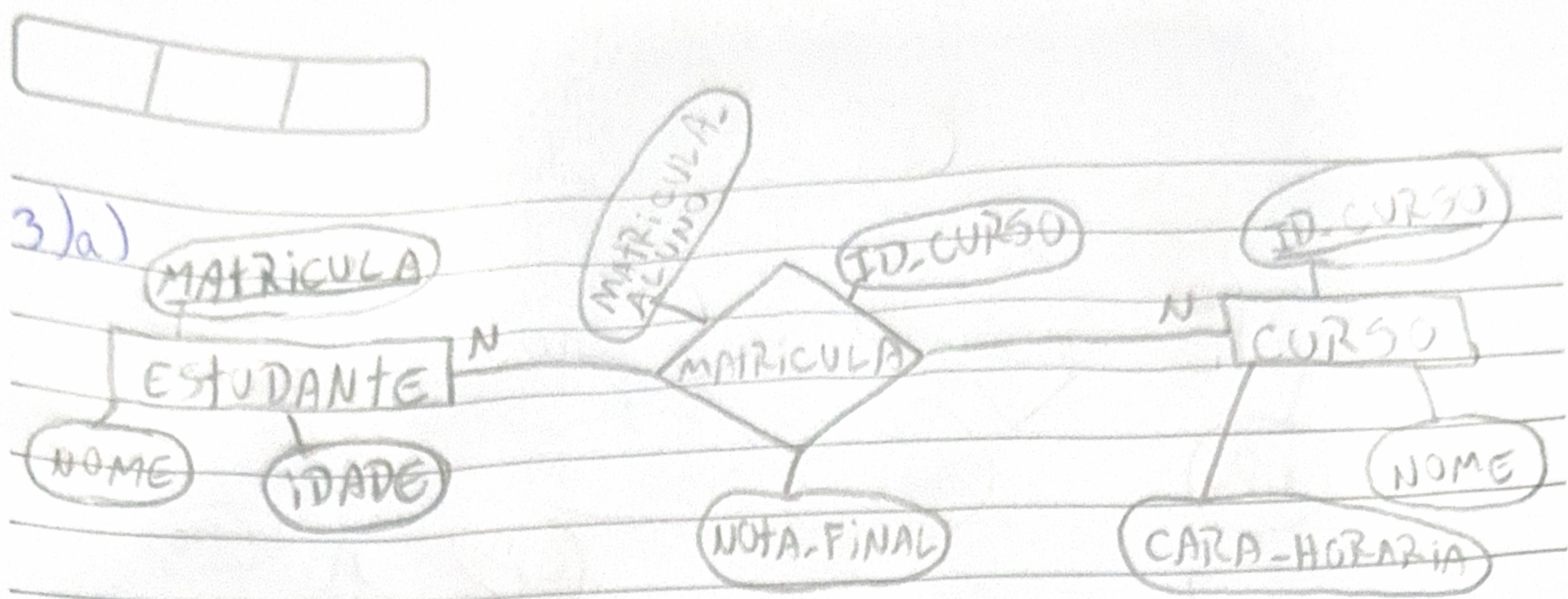
$\Pi_{NOME} (\delta_{check-in \leq DATA-ATUAL \wedge check-out \geq DATA-ATUAL}(HOSPEDE \bowtie RESERVA))$.

3.)

$\Pi_{NÚMERO}(QUARTO) - \Pi_{NÚMERO}(RESERVA)$.

4.)

$\Pi_{ID-HOSPEDE}(\Pi_{ID-HOSPEDE, COUNT(*) \rightarrow qt.d-RESERVAS}(RESERVA))$ FORON:
 $6 \text{ qt.d-RESERVAS} > 1$.



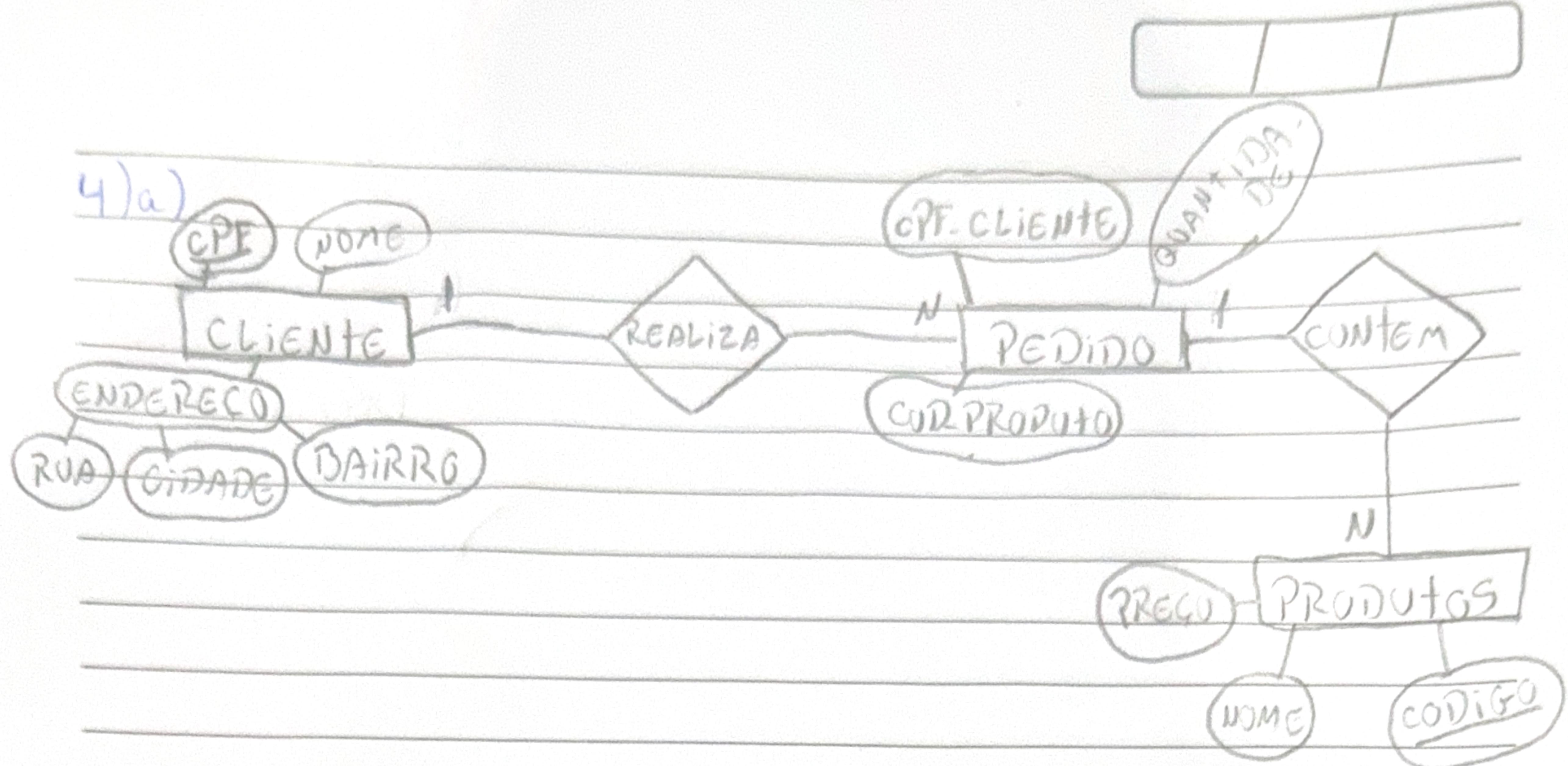
c) i.) $\Pi_{\text{NOME}}(\sigma_{\text{CONCURSO} = 'CO01'}(\text{ESTUDANTE} \bowtie \text{MATRICULA}))$.

2.) $\Pi_{\text{NOME}}(\sigma_{\text{CARGA-HORARIA} > 60}(\text{CURSO}))$.

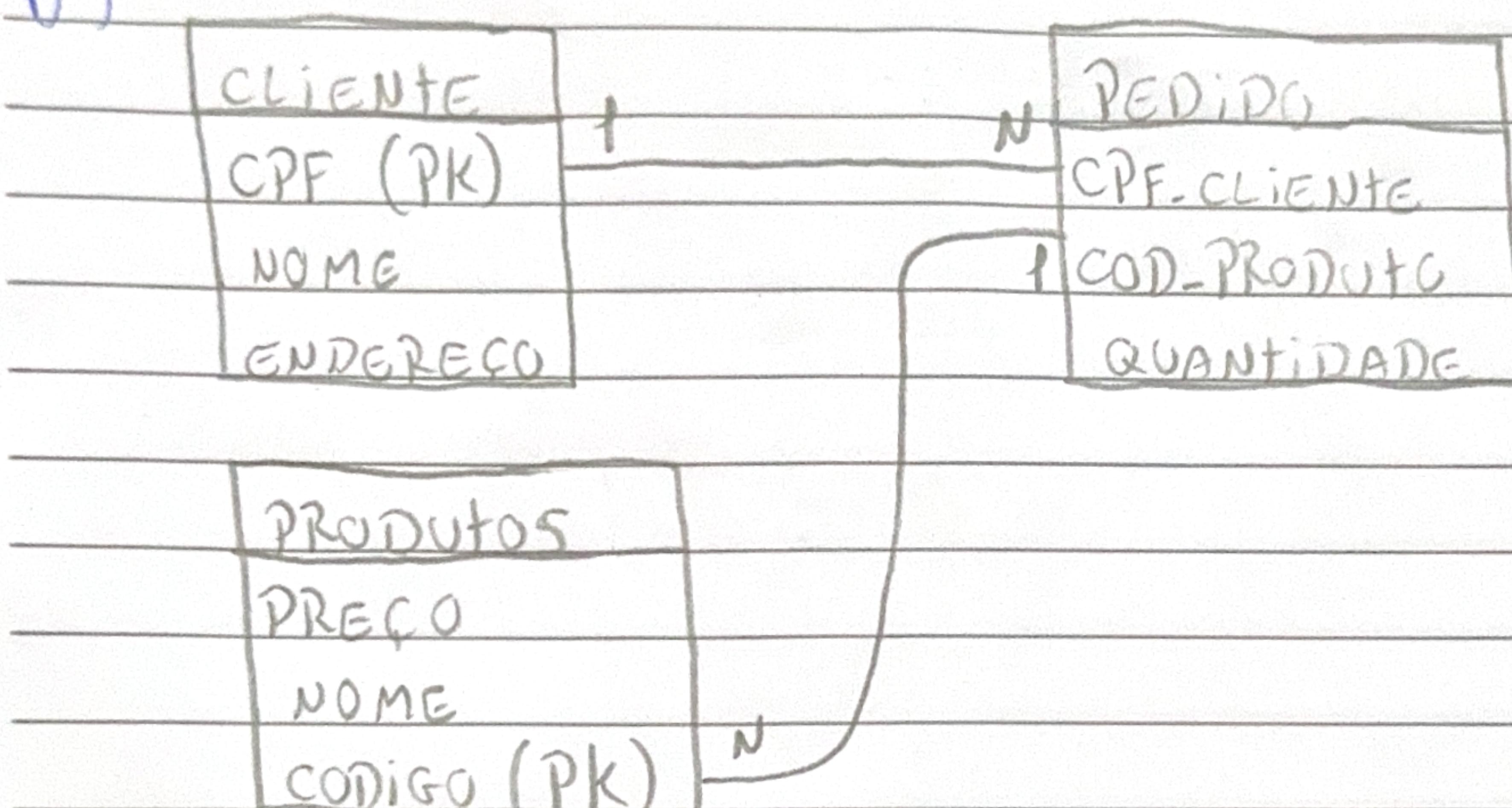
3.) $\Pi_{\text{NOME}}(\sigma_{\text{NOTA-FINAL} > 8}(\text{ESTUDANTE} \bowtie \text{MATRICULA}))$.

4.) $\Pi_{\text{NOME}}(\text{CURSO}) - \Pi_{\text{NOME}}(\sigma_{\text{NOTA-FINAL} > 5}(\text{CURSO} \bowtie \text{MATRICULA}))$.

4)a)



b)



c) 1.)

$\exists \text{NOME} (\exists \text{CPF} = '12345678900' (\text{PRODUTO} \bowtie \text{PEDIDO}))$.

2.)

$\exists \text{NOME} (\exists \text{PRECO} \geq 100 (\text{CLIENTE} \bowtie \text{PEDIDO} \bowtie \text{PRODUTO}))$.

3.)

$\gamma \text{SUM}(\text{QUANTIDADE})(\text{PRODUTO})$.

4.)

$\exists \text{NOME}(\text{PRODUTOS}) - \exists \text{NOME}(\text{PRODUTOS} \bowtie \text{PEDIDOS})$. **FORON:**