UNIVERSIDADE FEDERAL DO RIO GRANDE

FURG CENTRO DE CIÊNCIAS COMPUTACIONAIS

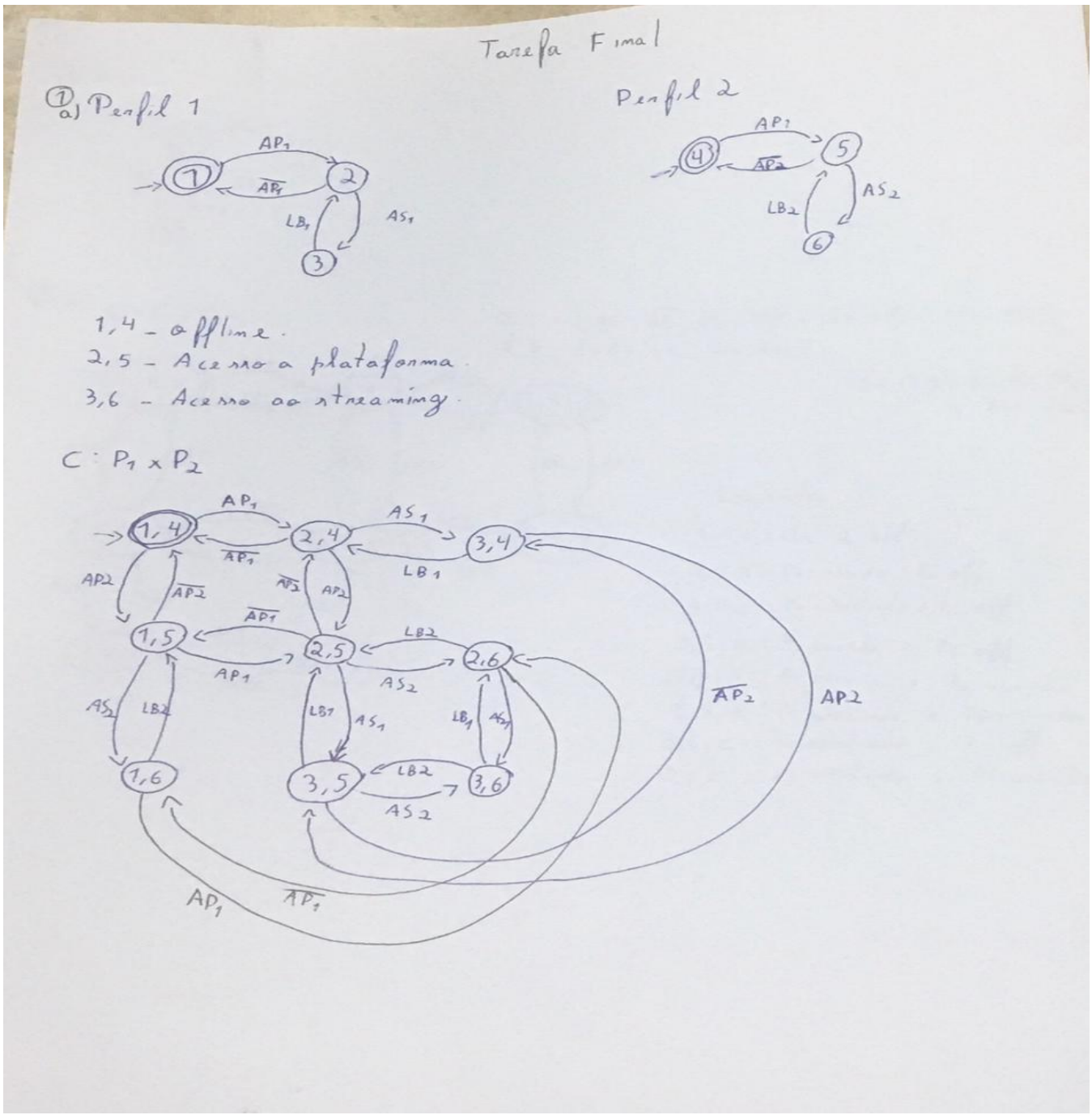
C3 PROGRAMA DE PÓS GRADUAÇÃO EM COMPUTAÇÃO

Elementos de Teoria da Computação e da Automação

Avaliação Final

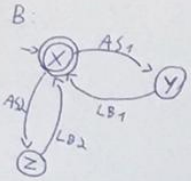
Maurício Balboni - 146729

Exercício 1:



① b)

B:

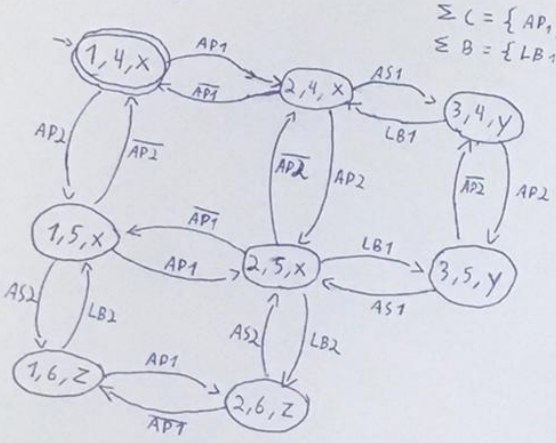


① c) $O = C \times B$

$\Sigma C = \{ AP_1, \overline{AP_1}, AP_2, \overline{AP_2}, LB_1, LB_2, AS_1, AS_2 \}$

$\Sigma B = \{ LB_1, LB_2, AS_1, AS_2 \}$

$\Sigma C \cap \Sigma B = \{ LB_1, LB_2, AS_1, AS_2 \}$



Legenda

1,4,X = O_1 e O_2 off

2,4,X = P_1 usando e P_2 off

3,4,Y = P_1 aguardando e P_2 off

1,5,X = P_2 usando e P_1 off

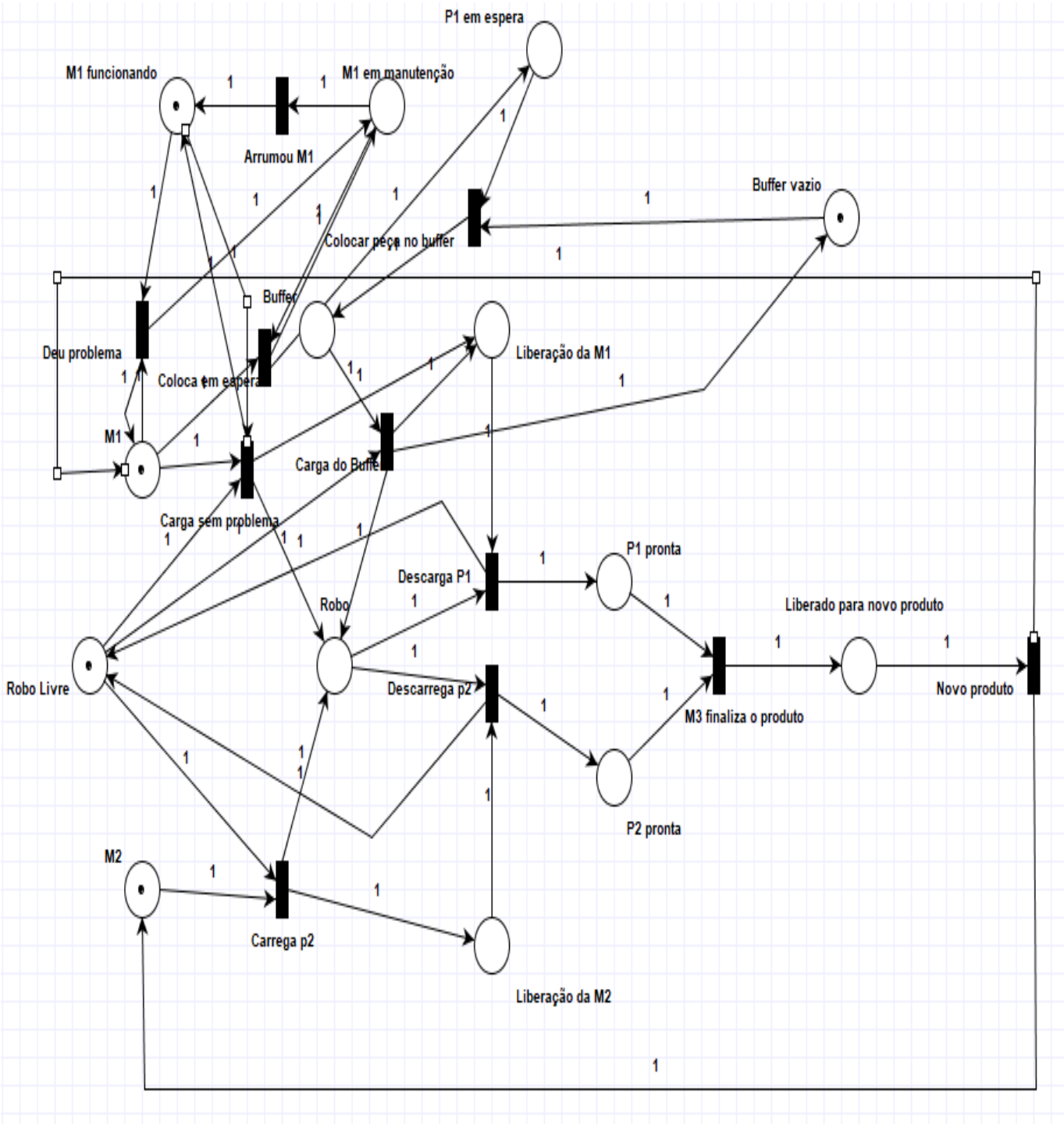
2,5,X = P_1 usando e P_2 usando

3,5,Y = P_1 aguardando e P_2 usando

1,6,Z = P_2 aguardando e P_1 off

2,6,Z = P_2 aguardando e P_1 usando

Exercício 2:



Propriedades da Rede:

Petri net state space analysis results

Bounded	true
Safe	true
Deadlock	false