Solution TD n°1

"Les Réseaux de Pétri"

Exo1:

- les places $\{P_1, P_2, \dots, P_5\}$
- les Transitions $\{T_1, T_2, T_3\}$
- les Transition Tritables T_2, T_3
- $M_0 \{0, 1, 1, 0, 0\}$

Exo2

A = RDP $M_0(1, 1, 0) \xrightarrow{T_1} \{M_1\{0, 2, 0\}$

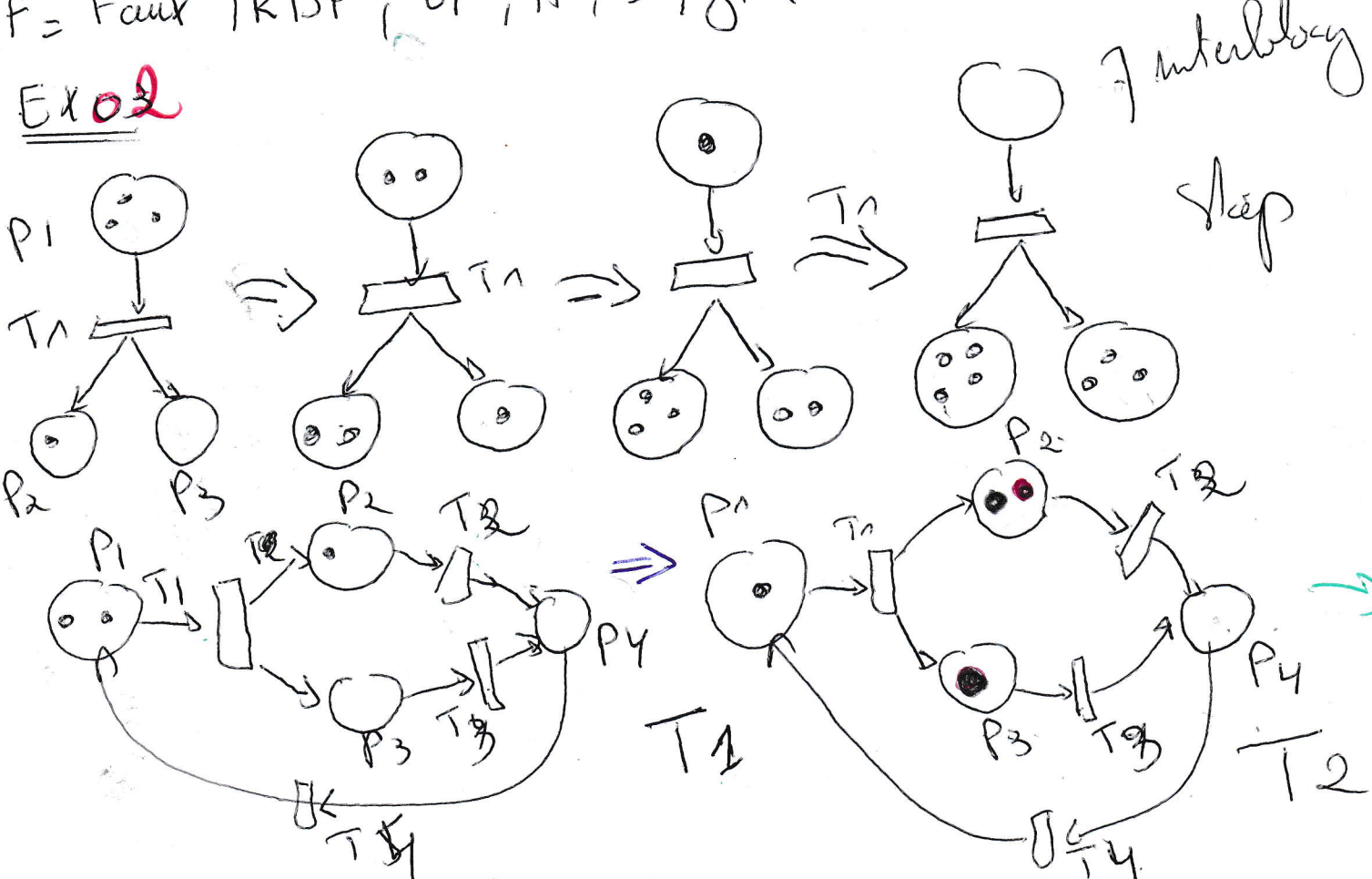
B = RDP $M_0(1, 1, 1, 0) \xrightarrow{T_1} M_1\{0, 0, 0, 1\}$

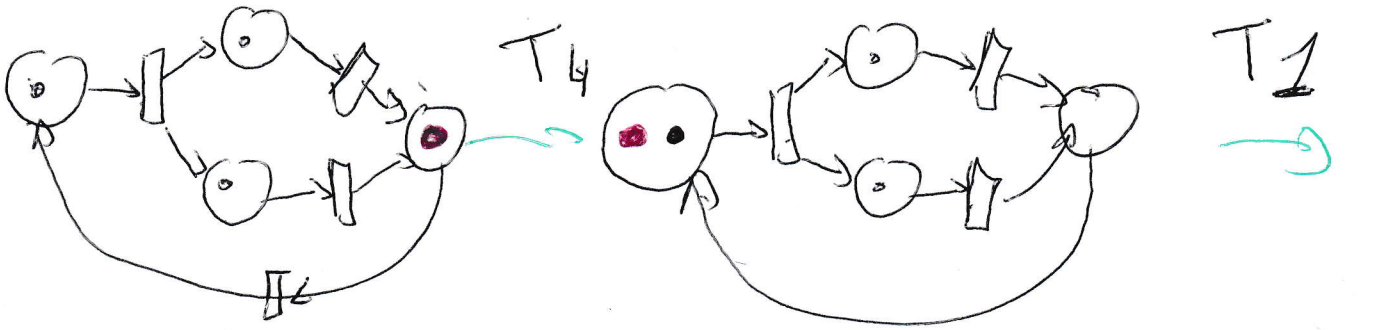
C = RDP $M_0(1, 1, 0) \xrightarrow{T} \{M_1(0, 0, 1)\}$

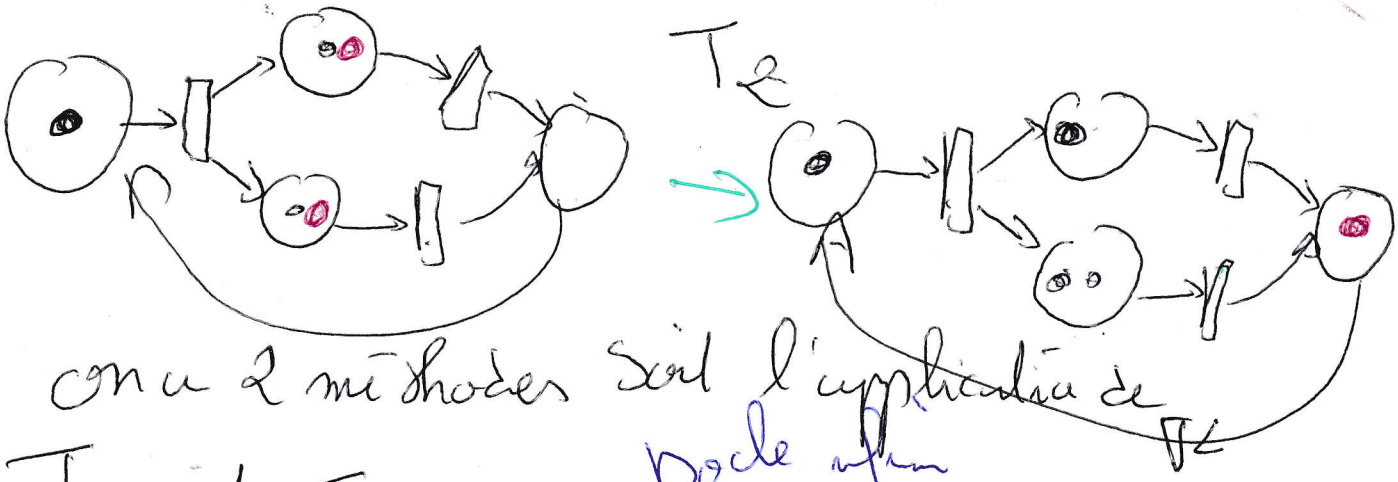
D, E = RDP

F = Faux] RDP, G, H, I, J, K.

Exo2







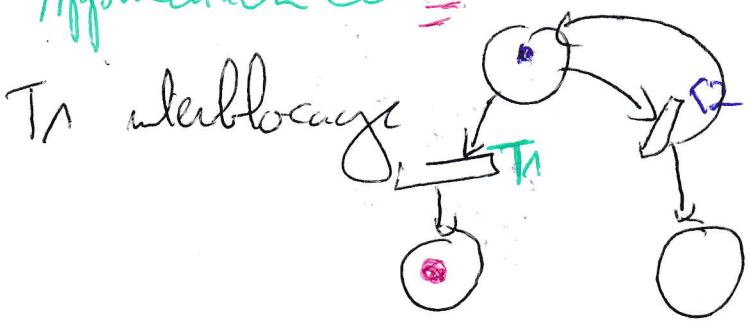
on a 2 méthodes soit l'application de

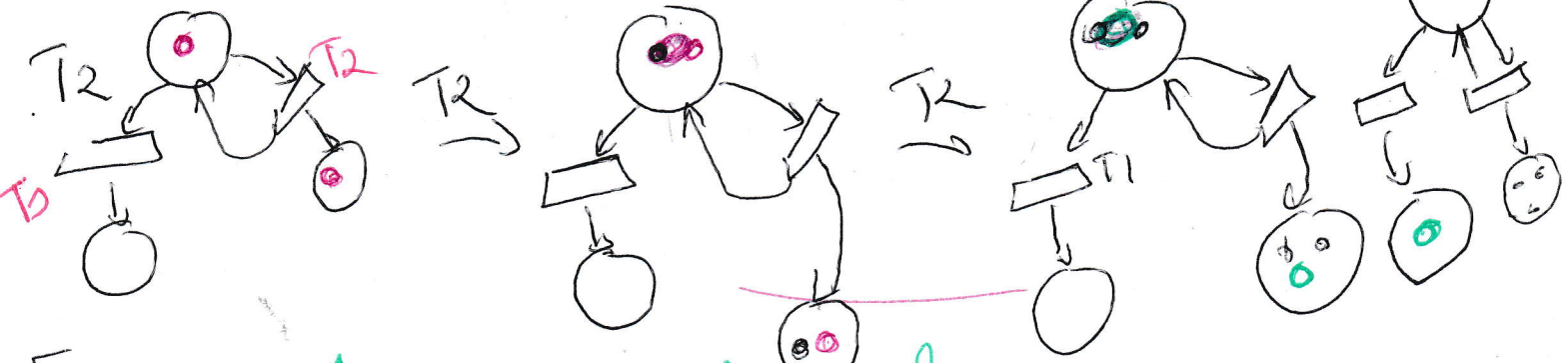
Boucle infini

T2 et T3

Application de T1 ou T2

T1 interblocage

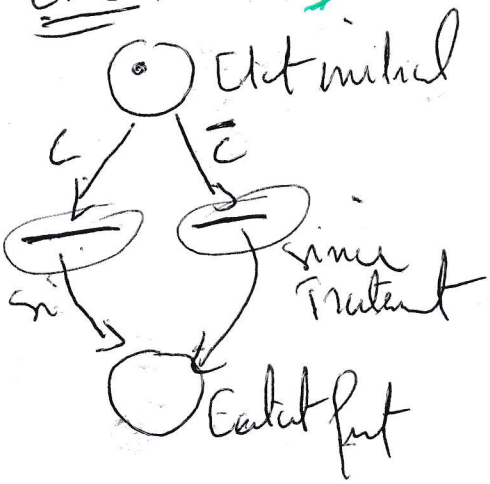


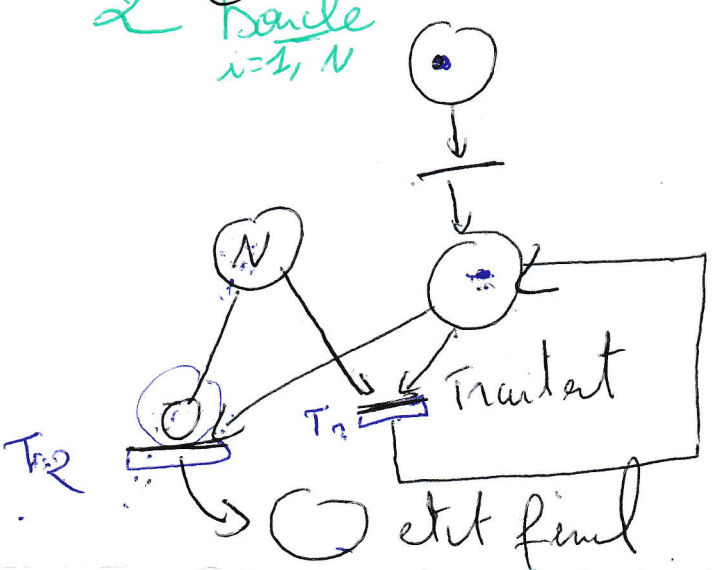


2 Boucle

$i = 1, N$

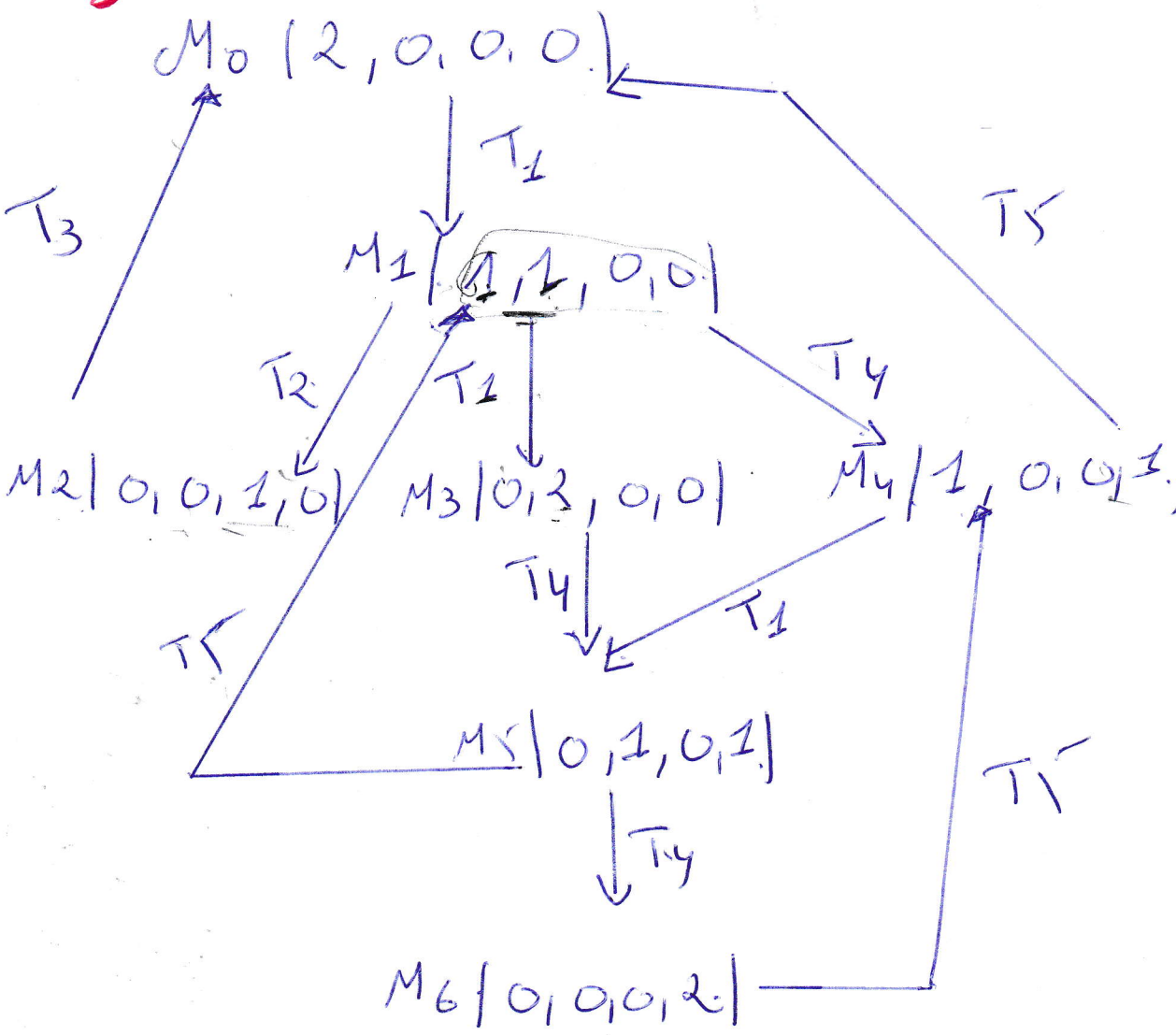
EX04 1.





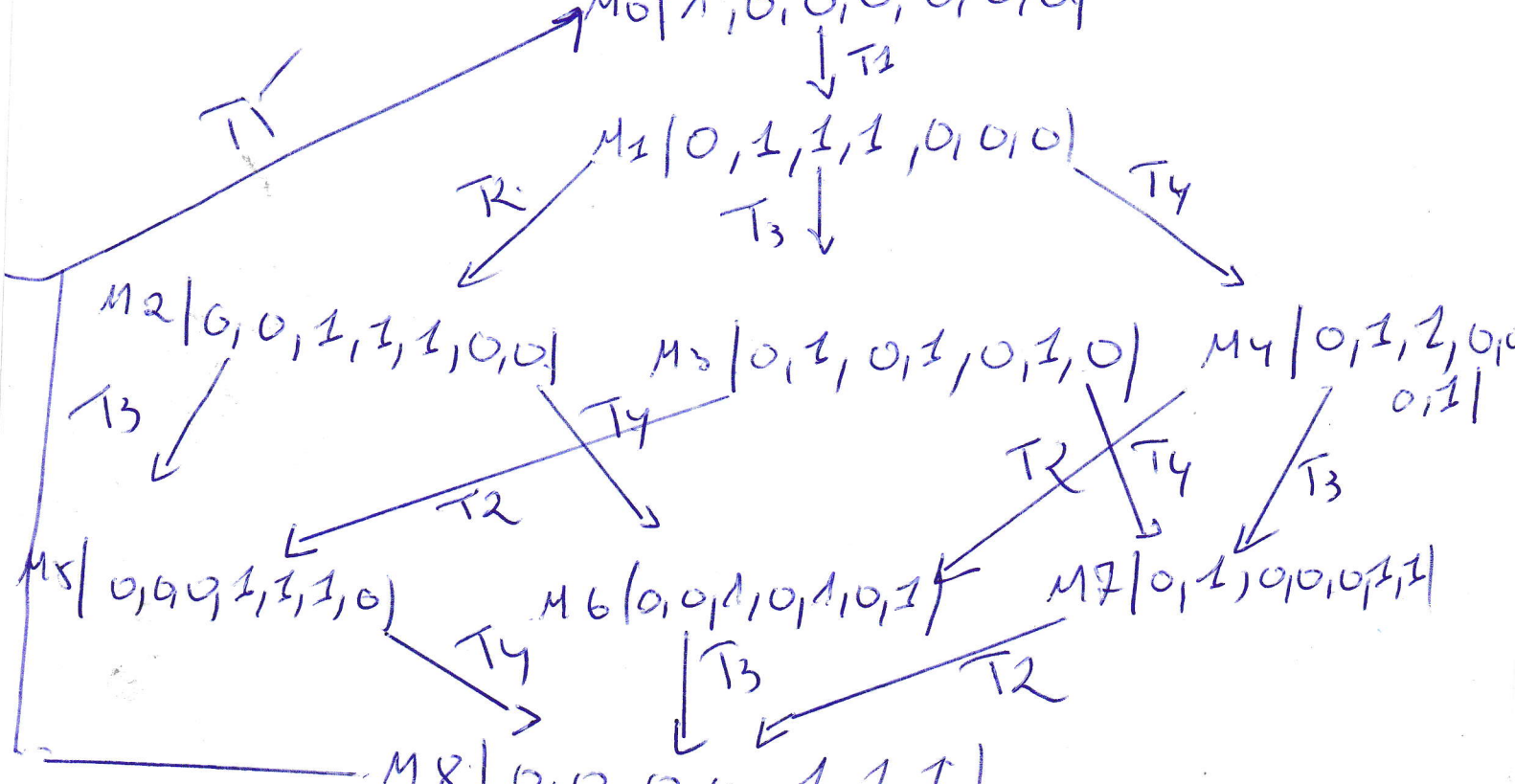
Exercice 03

a]

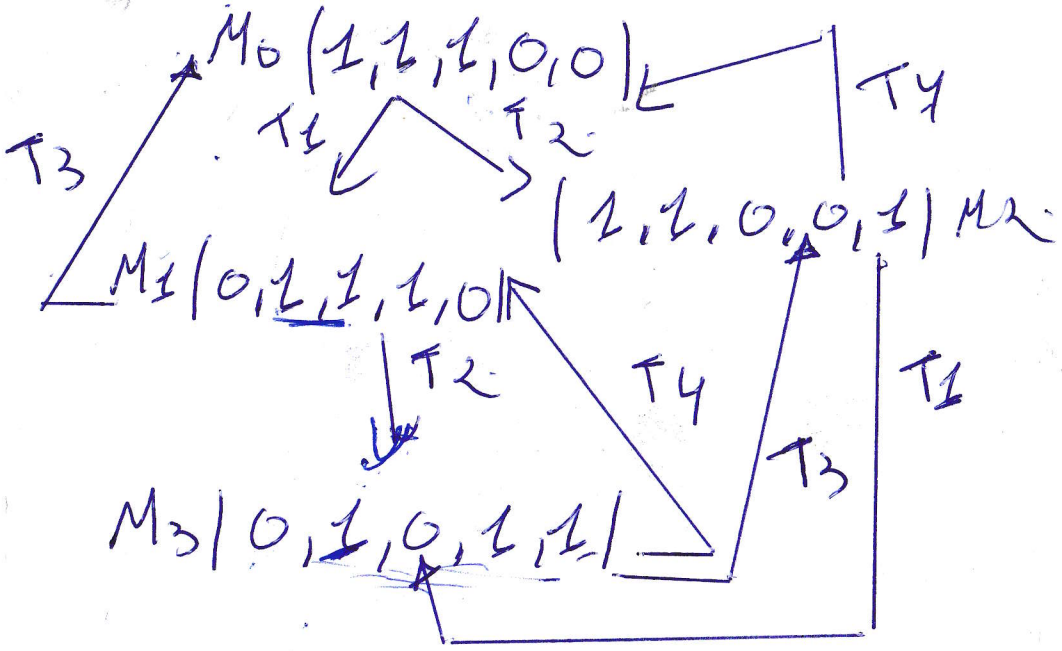


le Graphe de Marquage.

b]



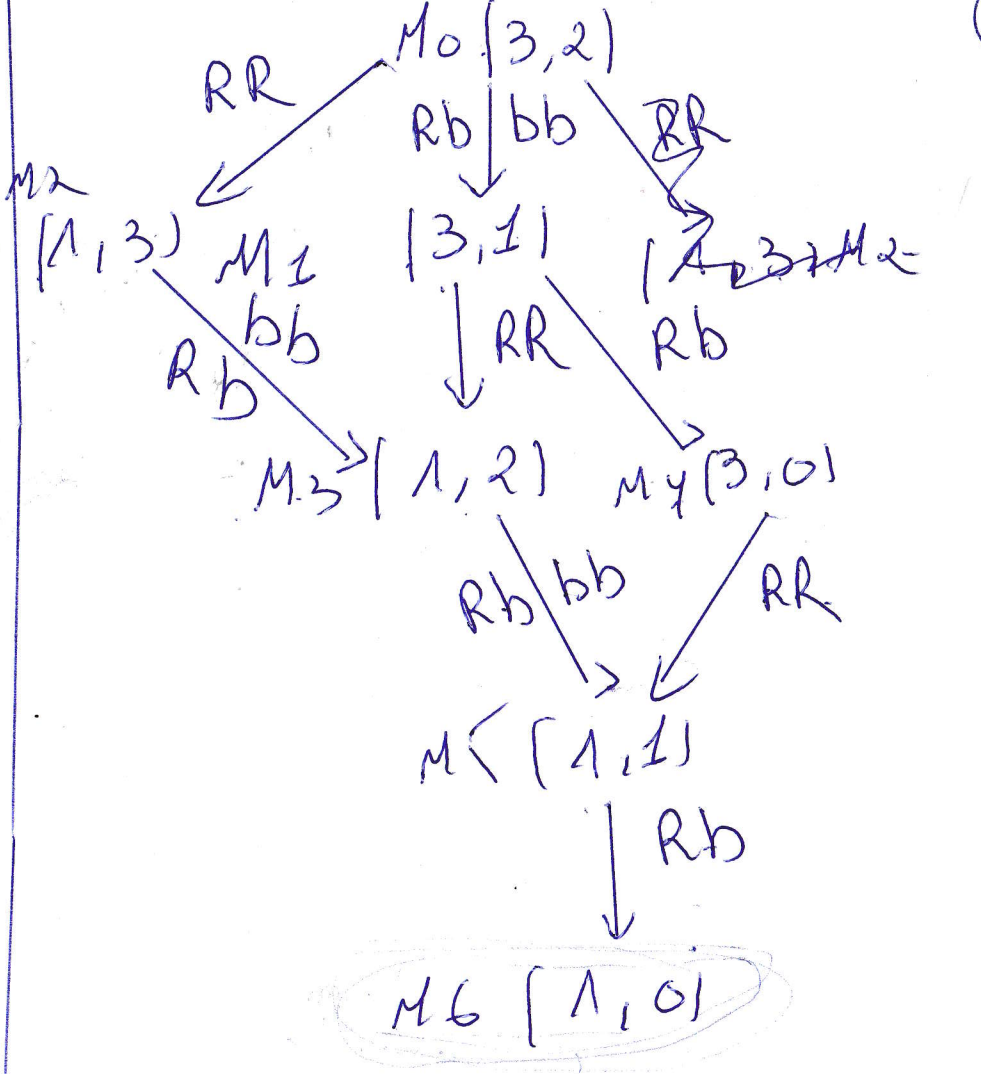
Exo4 (1)



Graphe de Marquage

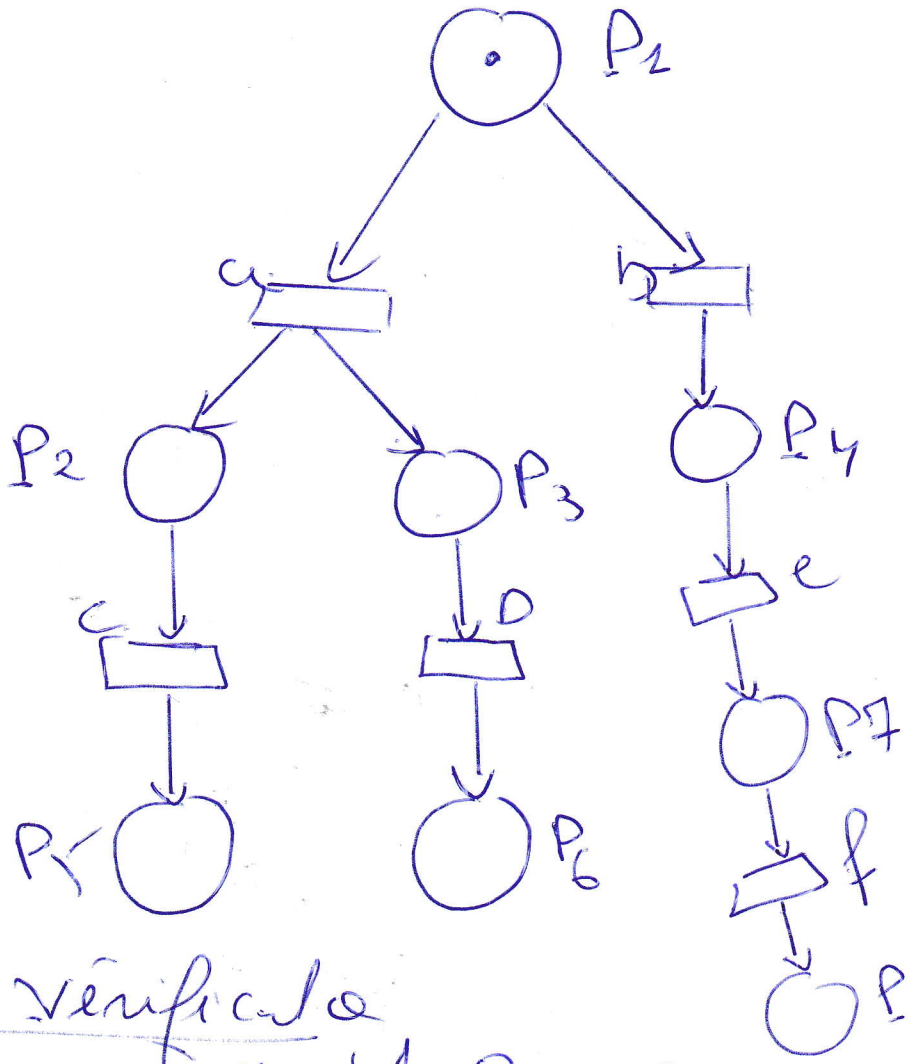
(b) partie

(1)



" Graphe de Marquage "

Exercice 04



la vérification

M0 | 1, 0, 0, 0, 0, 0, 0, 0, 0 |

a b

M1 | 0, 1, 1, 0, 0, 0, 0, 0 |

M2 | 0, 0, 0, 1, 0, 0, 0, 0 |

c D

e

M3 | 0, 0, 1, 0, 1, 0, 0, 0 |

M4 | 0, 1, 0, 0, 0, 1, 0, 0 |

M6 | 0, 0, 0, 0, 0, 0, 1, 0 |

f

D c

M5 | 0, 0, 0, 1, 1, 0, 0 |

M7 | 0, 0, 0, 0, 0, 0, 0, 1 |

$M_0 | 1, 0, 1, 0 |$ $M_1 | 0, 1, 0, 1 |$ $M_2 | 1, 0, 0, 1 |$ $M_3 | 0, 1, 1, 0 |$