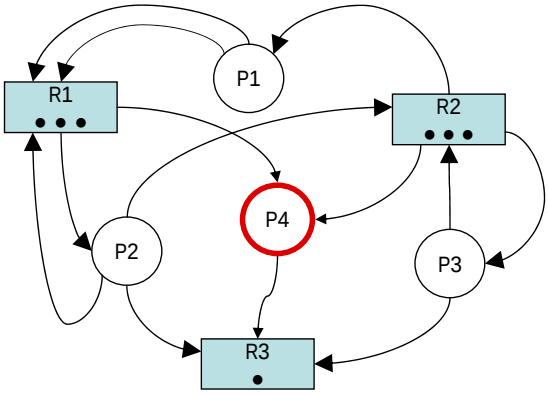
SISTEMI OPERATIVI

02.e

Esercizi sullo stallo

Algoritmo identificazione stallo



DICHIARAZIONI

A	R_1	R_2	R_3
S	3	3	1
P_1	2	1	0
P_2	2	1	1
P_3	0	2	1
P_4	1	1	1

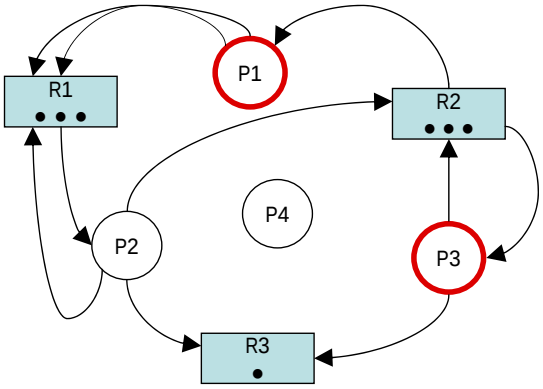
STATO

B	R_1	R_2	R_3
S	2	3	0
P_1	0	1	0
P_2	1	0	0
P_3	0	1	0
P_4	1	1	0

RICHIESTE

C	R_1	R_2	R_3
S	1	0	1
P_1	2	0	0
P_2	1	1	1
P_3	0	1	1
P_4	0	0	1

Algoritmo identificazione stallo [2]



DICHIARAZIONI

A	R_1	R_2	R_3
S	3	3	1
P_1	2	1	0
P_2	2	1	1
P_3	0	2	1
~~P_4~~	~~1~~	~~1~~	~~1~~

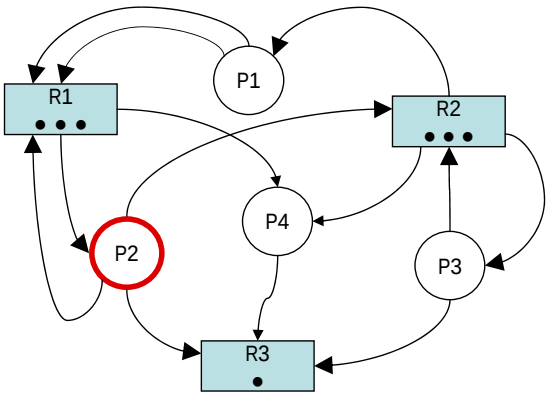
STATO

B	R_1	R_2	R_3
S	1	2	0
P_1	0	1	0
P_2	1	0	0
P_3	0	1	0
~~P_4~~	~~1~~	~~1~~	~~0~~

RICHIESTE

C	R_1	R_2	R_3
S	2	1	1
P_1	2	0	0
P_2	1	1	1
P_3	0	1	1
~~P_4~~	~~0~~	~~0~~	~~1~~

Algoritmo identificazione stallo [3]



DICHIARAZIONI

A	R_1	R_2	R_3
S	3	3	1
~~P_1~~	~~2~~	~~1~~	~~0~~
P_2	2	1	1
~~P_3~~	~~0~~	~~2~~	~~1~~
~~P_4~~	~~1~~	~~1~~	~~1~~

STATO

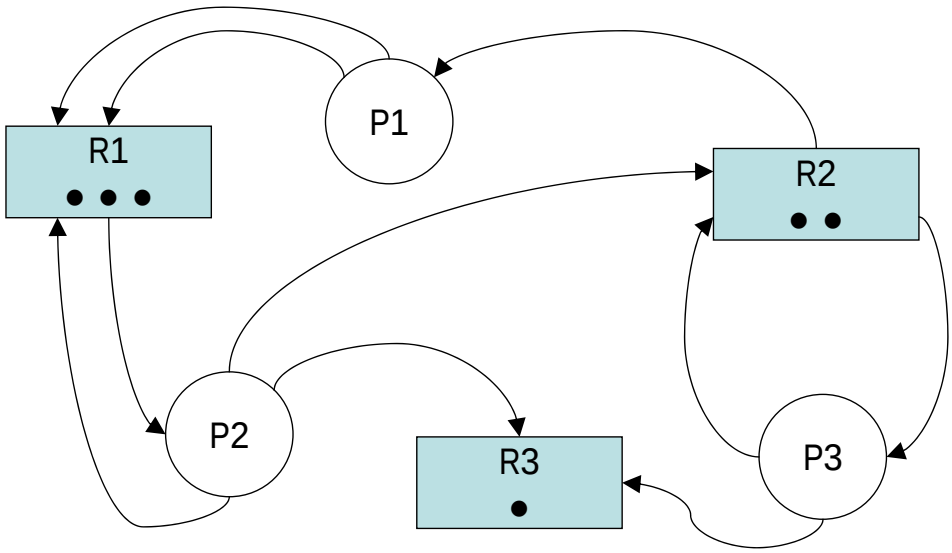
B	R_1	R_2	R_3
S	1	0	0
~~P_1~~	~~0~~	~~1~~	~~0~~
P_2	1	0	0
~~P_3~~	~~0~~	~~1~~	~~0~~
~~P_4~~	~~1~~	~~1~~	~~0~~

RICHIESTE

C	R_1	R_2	R_3
S	2	3	1
~~P_1~~	~~2~~	~~0~~	~~0~~
P_2	1	1	1
~~P_3~~	~~0~~	~~1~~	~~1~~
~~P_4~~	~~0~~	~~0~~	~~1~~

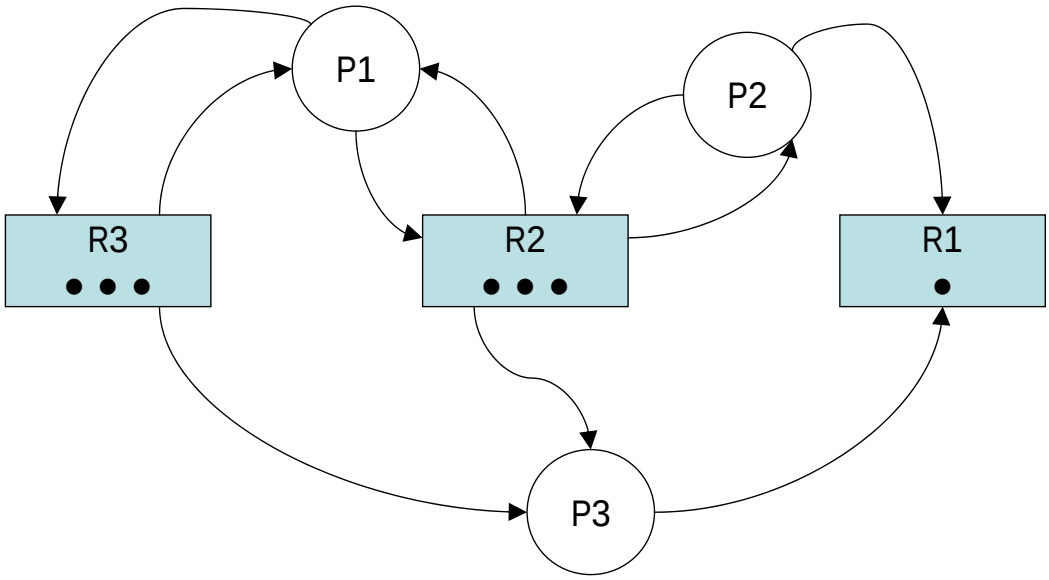
Deadlock

- 1.1 Verificare se il sistema è in Stallo



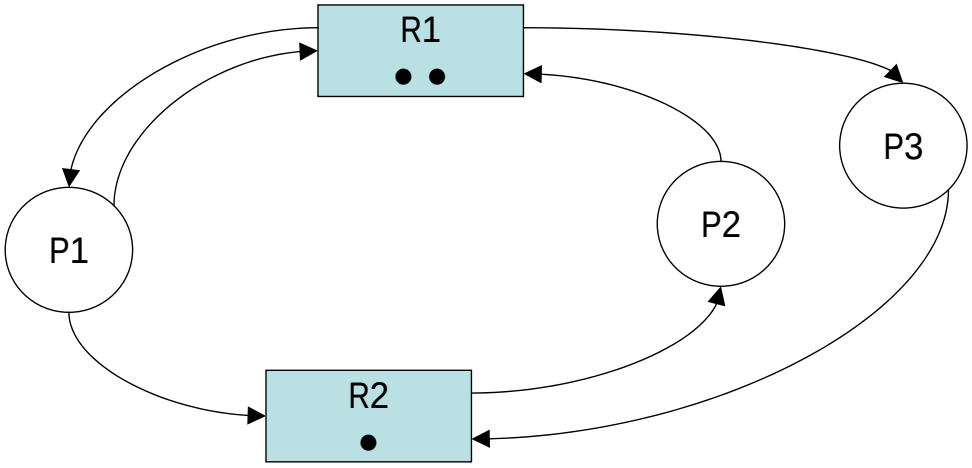
Deadlock [2]

- 1.2 Verificare se il sistema è in Stallo



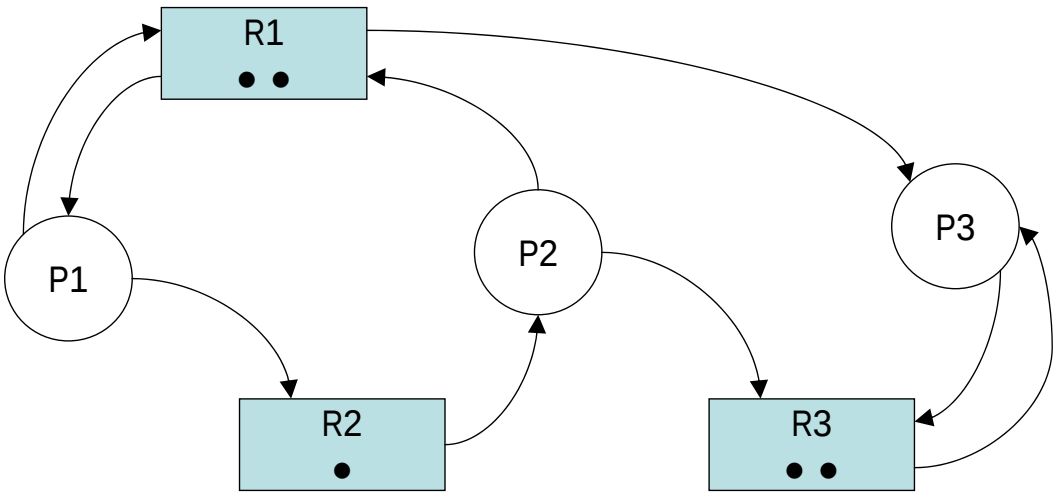
Deadlock [3]

- 1.3 Verificare se il sistema è in Stallo



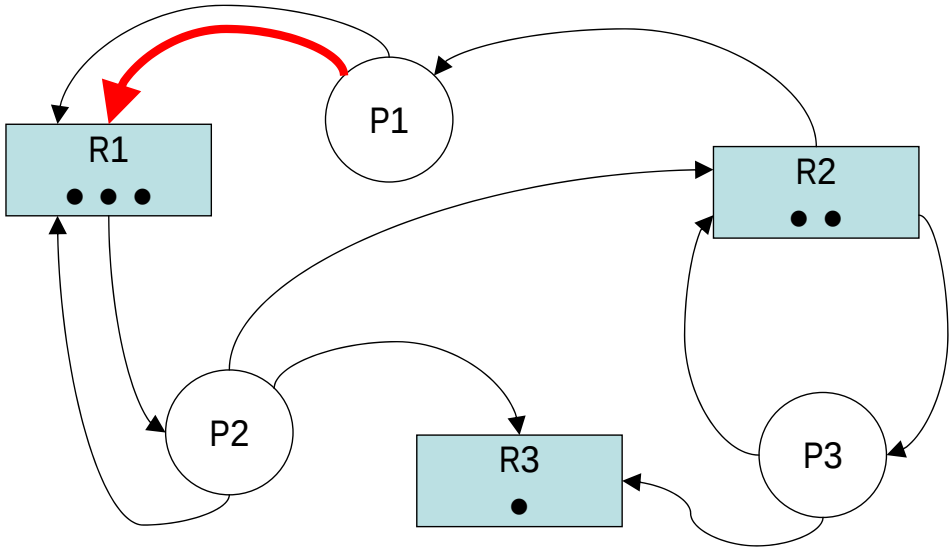
Deadlock [4]

- 1.4 Verificare se il sistema è in Stallo



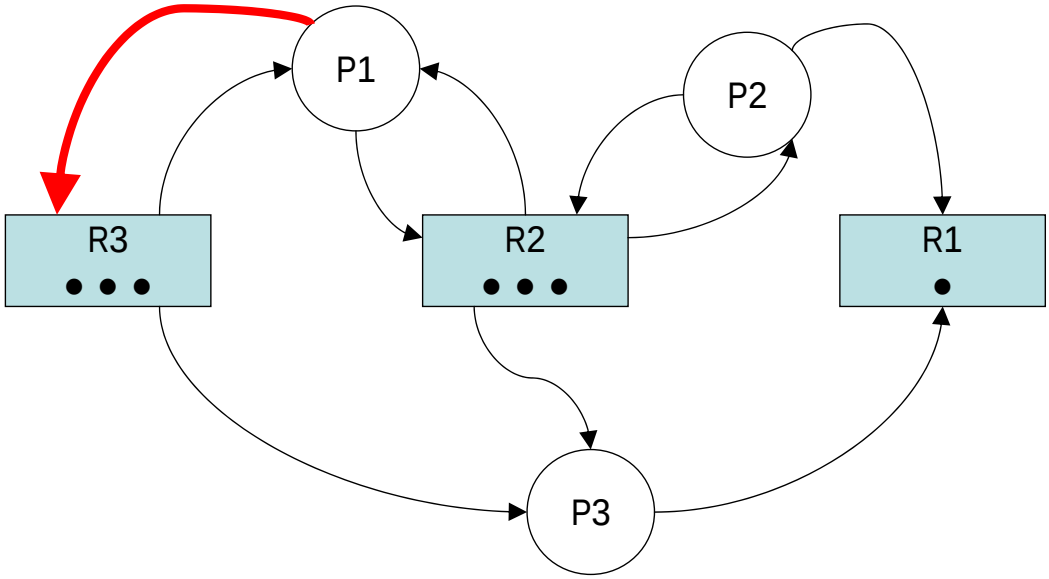
Banchiere

- 2.1 Tramite l'algoritmo del banchiere dire se le richieste in rosso possono essere soddisfatte



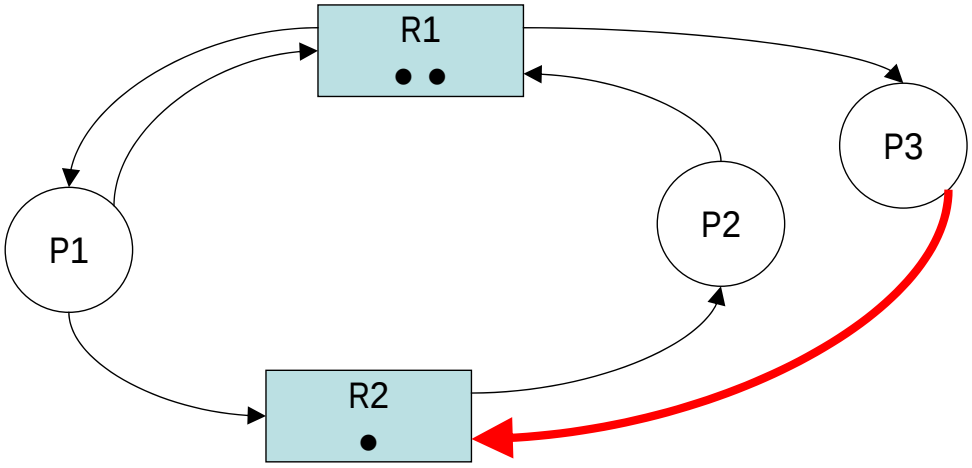
Banchiere [2]

- 2.2 Tramite l'algoritmo del banchiere dire se le richieste in rosso possono essere soddisfatte



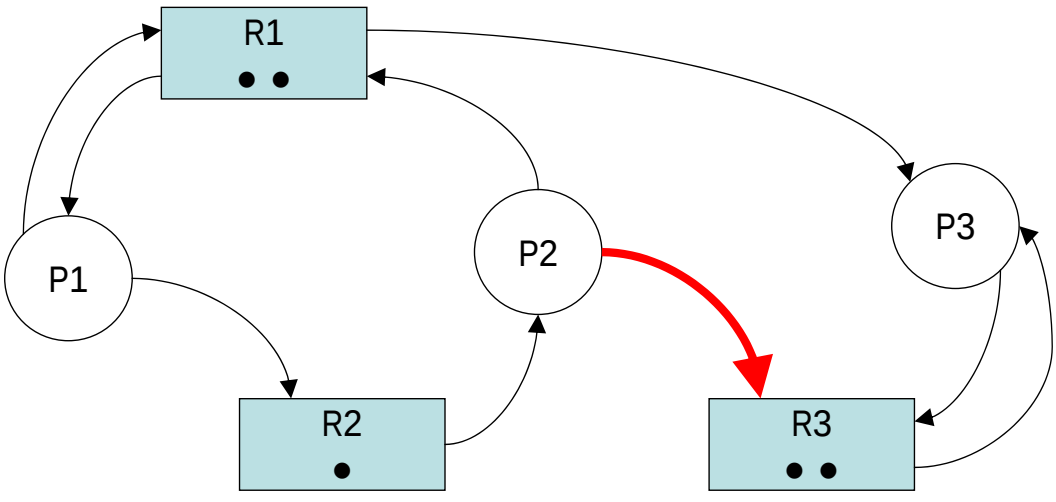
Banchiere [3]

- 2.3 Tramite l'algoritmo del banchiere dire se le richieste in rosso possono essere soddisfatte



Banchiere [4]

- 2.4 Tramite l'algoritmo del banchiere dire se le richieste in rosso possono essere soddisfatte



Fine

02.e

Esercizi sullo stallo