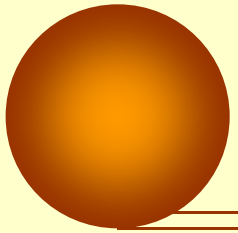
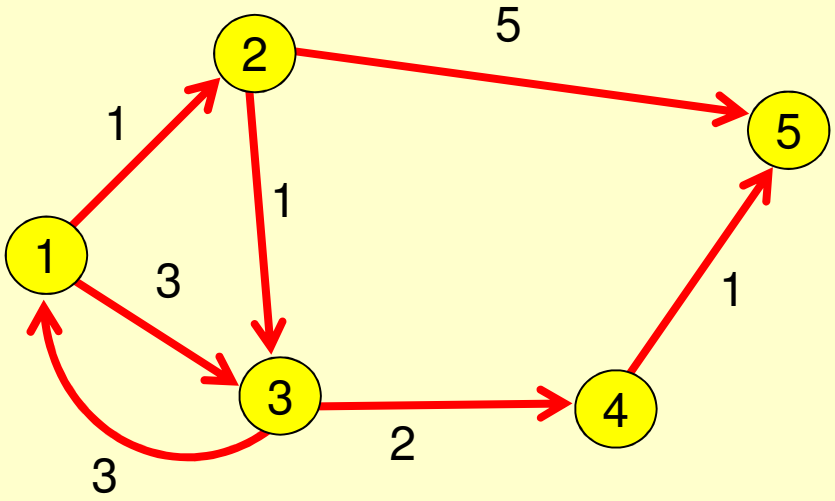


Studi kasus

Ali Ridho Barakbah

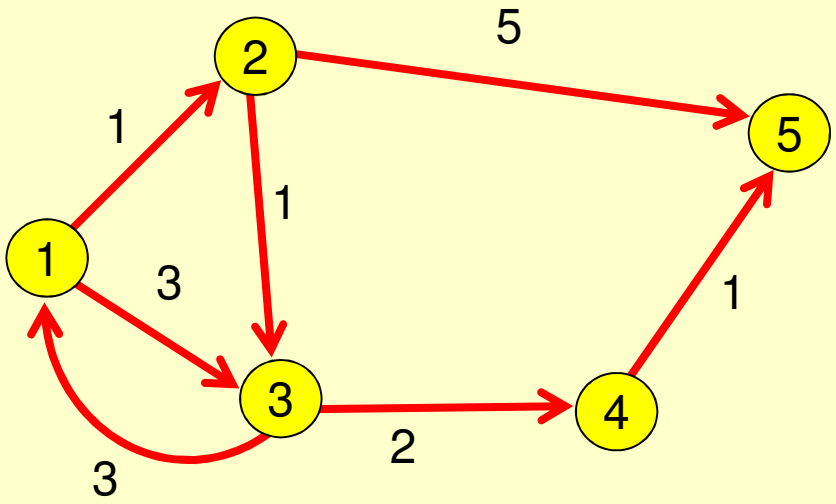
Shortest Path Problem



Buatlah flowchart untuk menghitung jarak minimal dan rutenya dari titik 1 ke titik 5

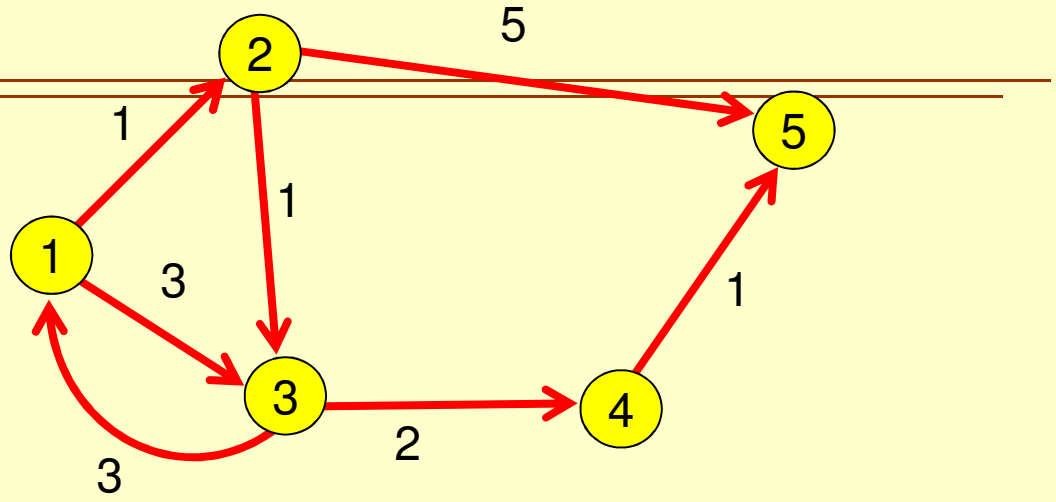
Shortest path problem untuk Single path

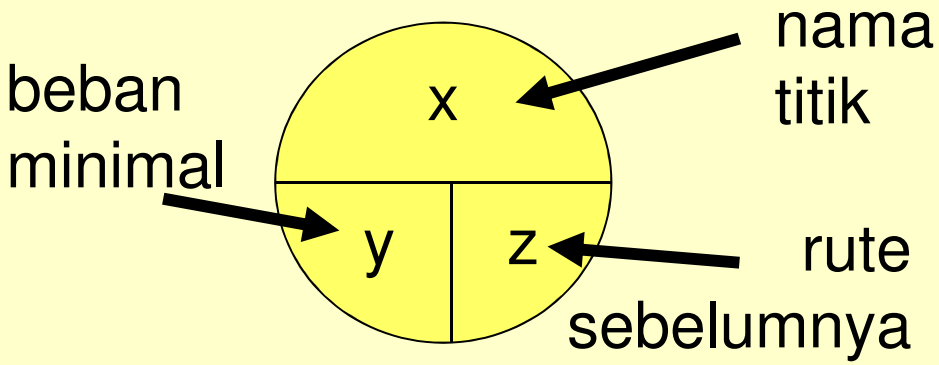
(Algoritma Dijkstra)

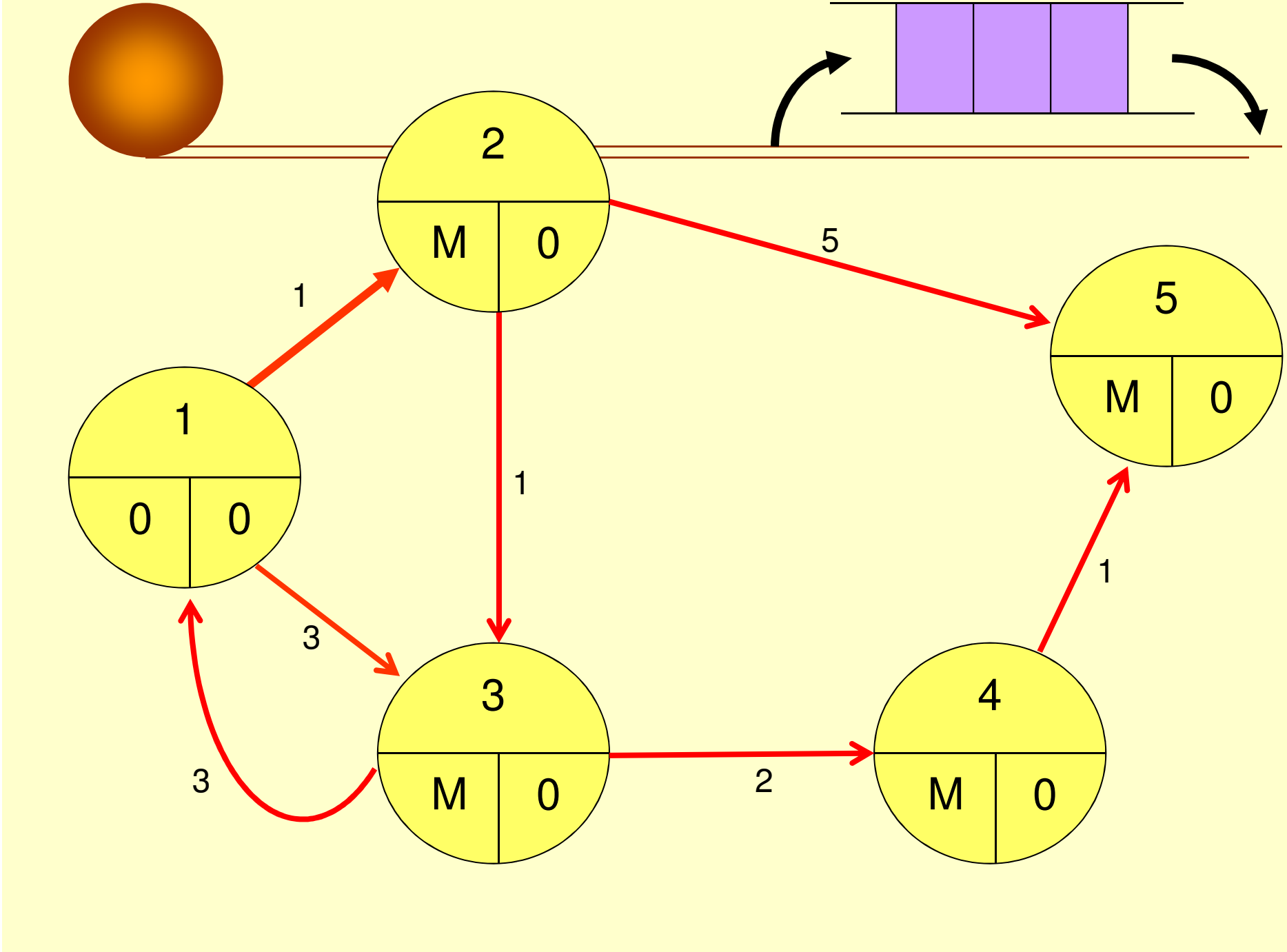


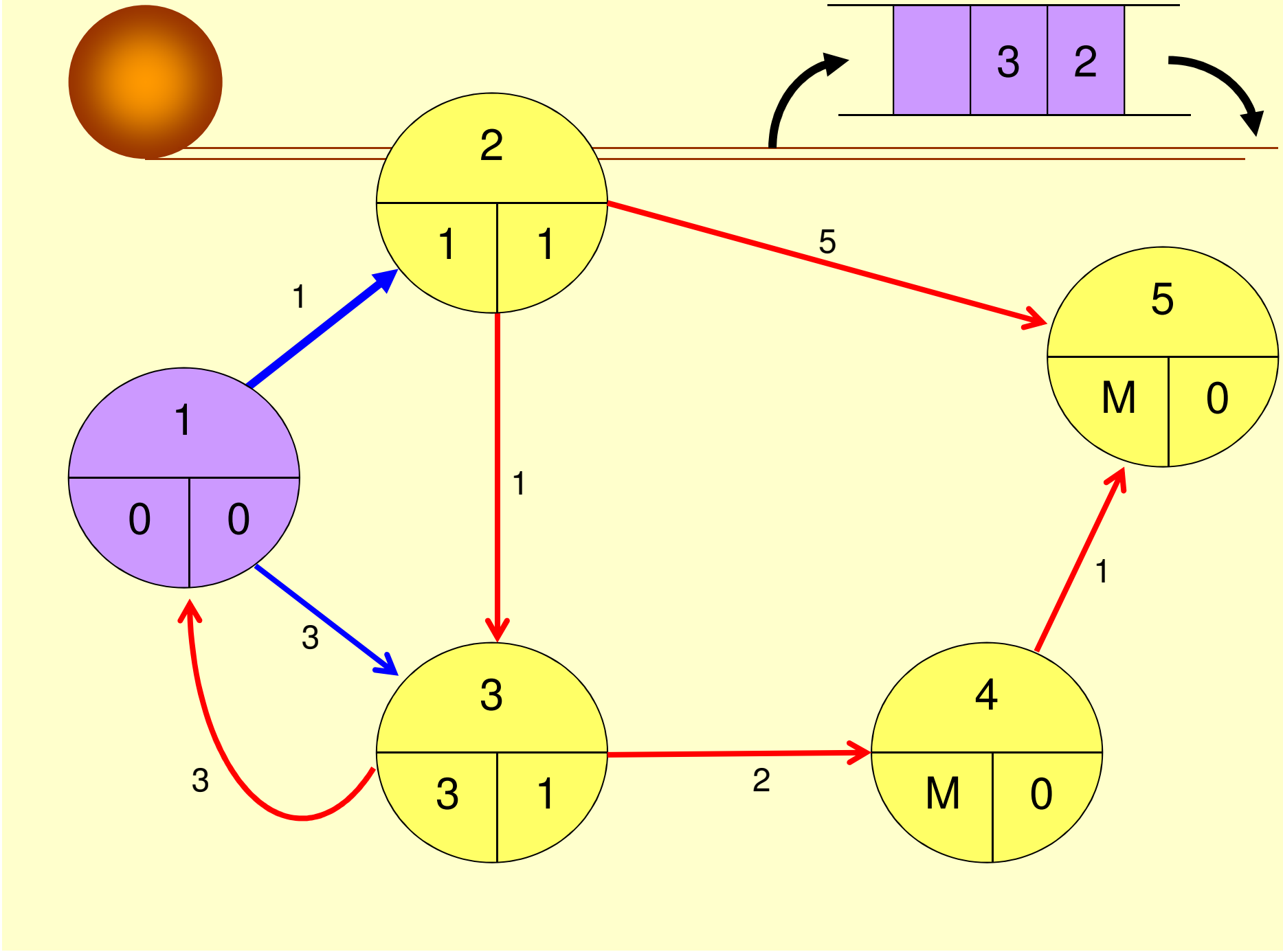
- Tentukan titik asal dan titik tujuan sebelum proses
- Akumulasikan jarak minimal dan simpan ke titik berikutnya. Lakukan dari titik asal sampai titik tujuan

Titik asal = 1
Titik tujuan = 5

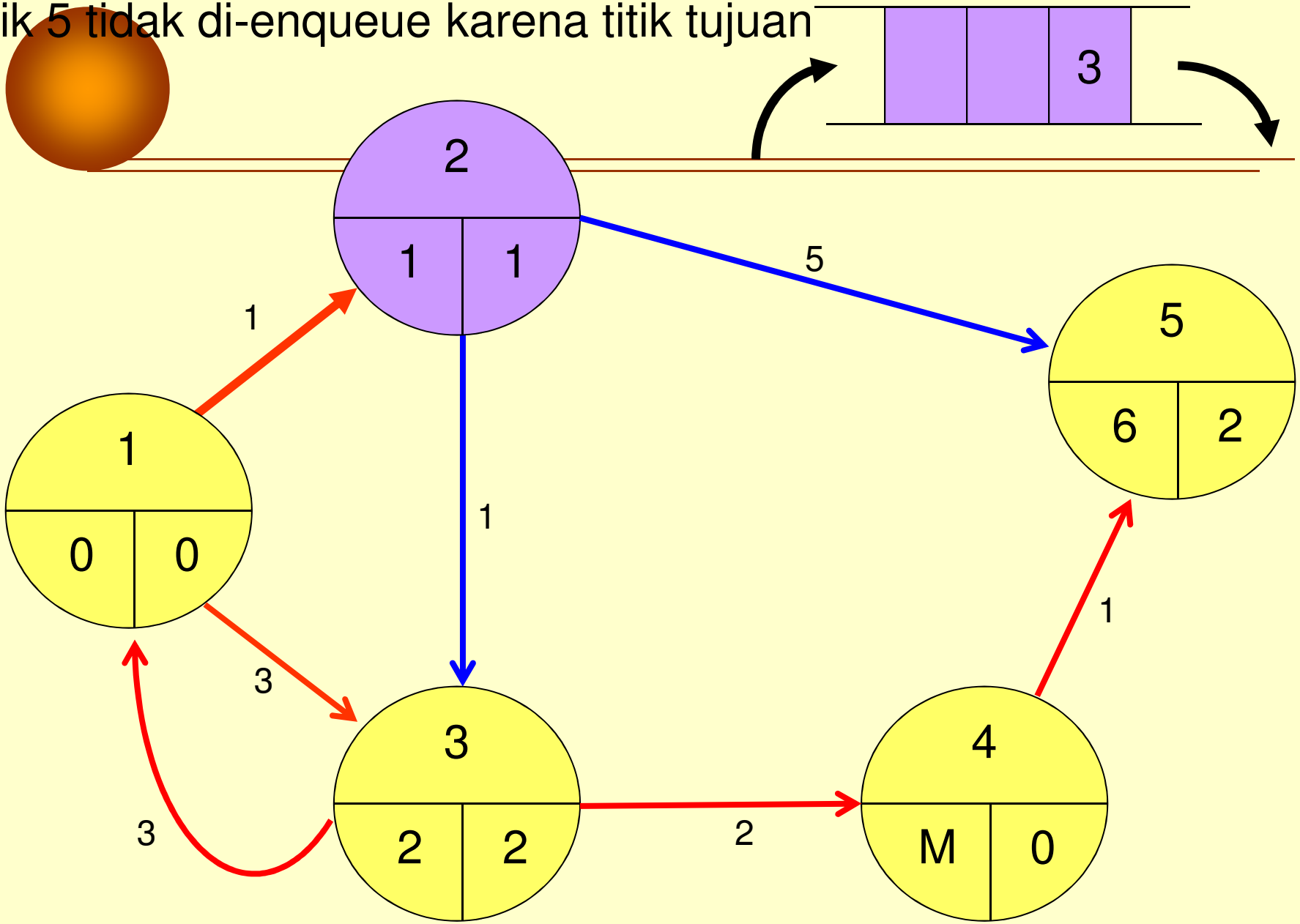




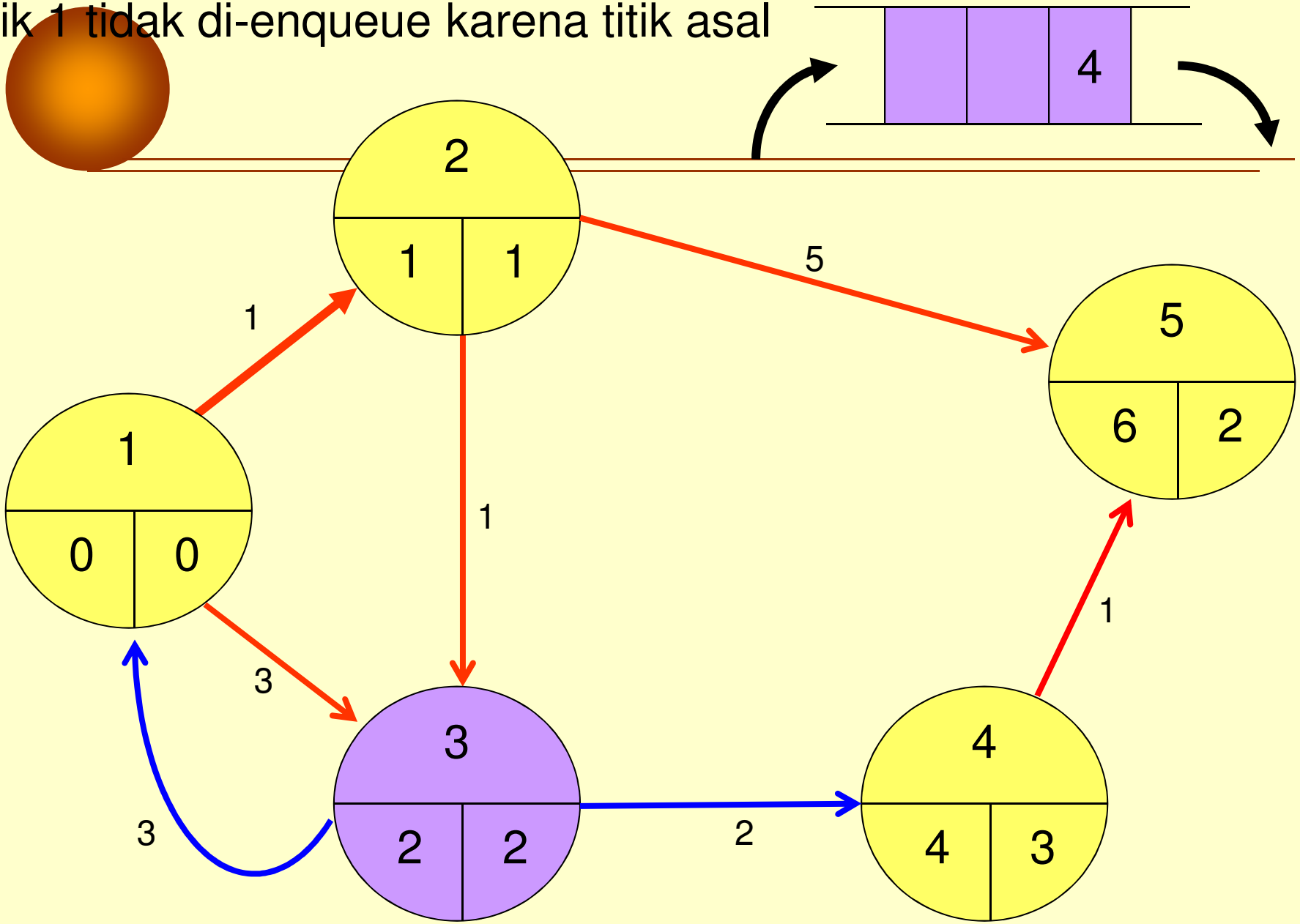

2
M
0
1
0
0
5
M
0
3
M
0
4
M
0
1
5
1
3
3
2
1


3
2
2
1
1
5
1
5
M
0
1
0
0
1
3
3
3
1
3
2
4
M
0
1

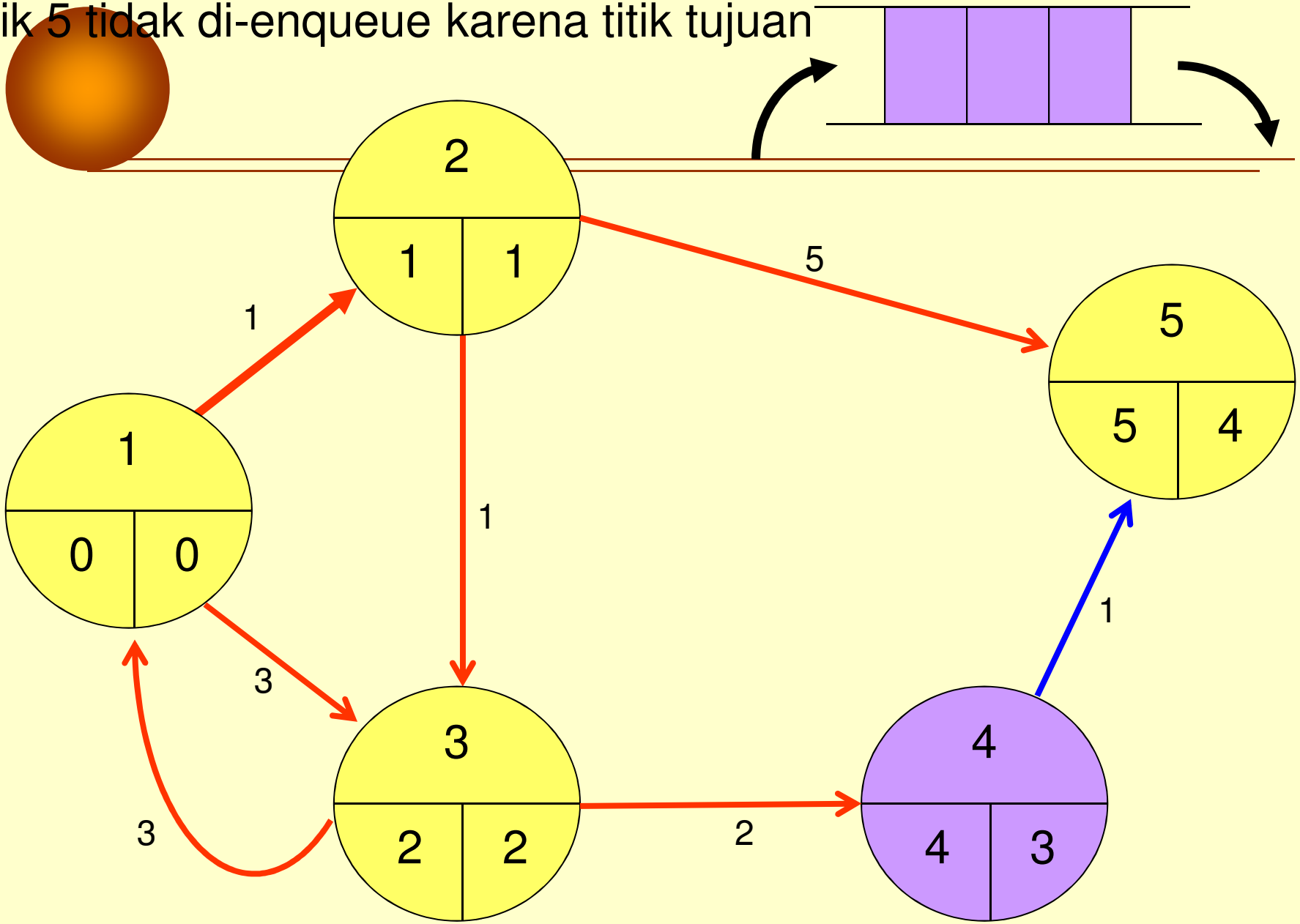
Titik 5 tidak di-enqueue karena titik tujuan

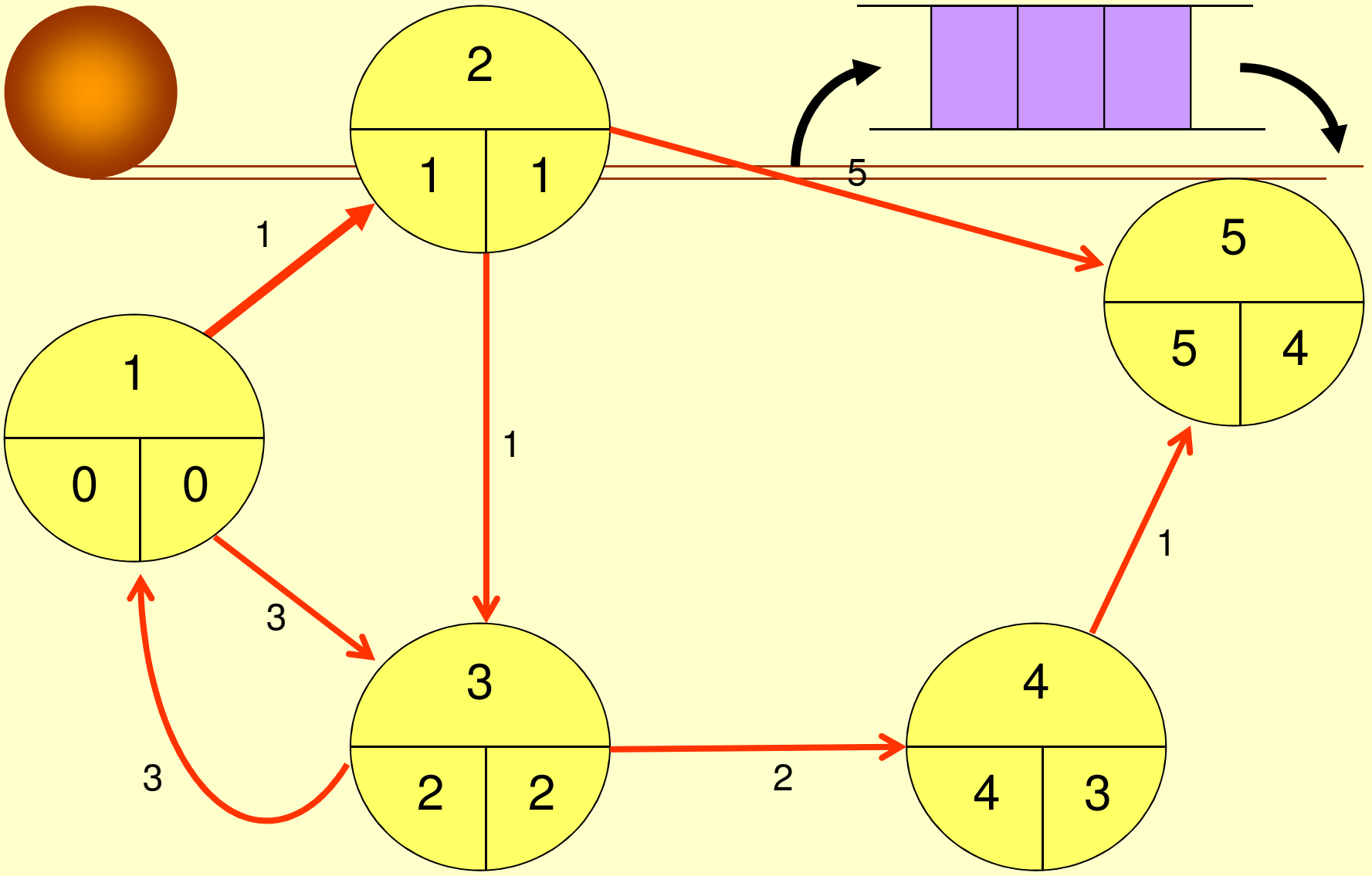


Titik 1 tidak di-enqueue karena titik asal



Titik 5 tidak di-enqueue karena titik tujuan





Rute : 1 – 2 – 3 – 4 – 5 dengan beban minimal = 5