容量 P_j 需求 D_k 供給 S_i

$$W:\begin{cases}\sum w_j = 1 & \text{隨一開}\\ \sum a_{ij} \le P_j w_j & \text{進貨} \le \text{容量}\\ \sum c_{jk} \le P_j w_j & \text{需求} \le \text{容量}\\ \sum c_{jk} \le \sum a_{ij} & \text{出貨} \le \text{進貨}\end{cases}$$

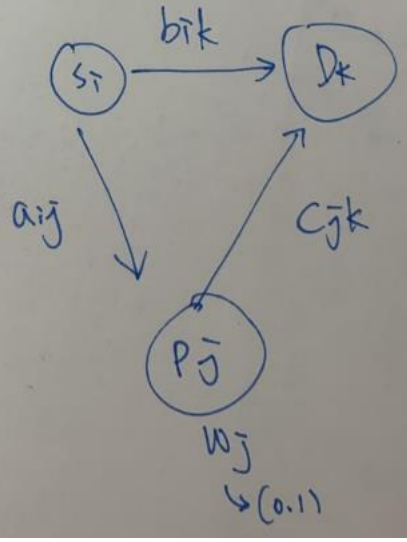
$S:\ \sum a_{ij} + \sum b_{ik} \le S_i$ 總出貨 $\le$ 供給.

$D:\ \sum b_{ik} + \sum c_{jk} \le D_k$ 總進貨 $\le$ 需求

$i = 1, 2$

$j = 1, 2, 3$

$k = 1, 2.$



```
    Nodes    |    Current Node    |     Objective Bounds
|     Work
 Expl Unexpl |  Obj  Depth IntInf | Incumbent    BestBd
Gap | It/Node Time

*    0     0               0     623.0000000  623.00000
0.00%     -    0s

Explored 0 nodes (11 simplex iterations) in 0.02 seconds
Thread count was 8 (of 8 available processors)

Solution count 2: 623 743

Optimal solution found (tolerance 1.00e-04)
Best objective 6.230000000000e+02, best bound
6.230000000000e+02, gap 0.0000%
open[0]: 0.000000
open[1]: 0.000000
open[2]: 1.000000
supply to warehouse[0,0]: 0.000000
supply to warehouse[0,1]: -0.000000
supply to warehouse[0,2]: -0.000000
supply to warehouse[1,0]: -0.000000
supply to warehouse[1,1]: 0.000000
supply to warehouse[1,2]: 70.000000
supply to demand[0,0]: 50.000000
supply to demand[0,1]: -0.000000
supply to demand[1,0]: 5.000000
supply to demand[1,1]: -0.000000
warehouse to demand[0,0]: 0.000000
warehouse to demand[0,1]: -0.000000
warehouse to demand[1,0]: 0.000000
warehouse to demand[1,1]: -0.000000
warehouse to demand[2,0]: 20.000000
warehouse to demand[2,1]: 50.000000
Obj: 623.000000
```

選 warehouse C 計算結果為 623