```
#### Inputs

param numItems := 5;
param numPeriods := 17 ;
param M          := 300 ;

#common ordering cost (units: $/order)

param S := 500;

#percentage of unit cost for item i for holding cost (units: %)

param p := 0.05;

#individual ordering cost for item type i (units: $/order)
#unit cost for item type i (units: $/item)

param:        c        s       :=
        1   34.59     65.03
        2   37.97     71.38
        3   39.24     73.77
        4   38.30     72.00
        5   41.07     77.21       ;

# demand for item type i for period t (units: item)

param d:
        1       2       3       4       5      :=
1       0       6       0       20      0
2       0       0       4       0       8
3       17      6       0       0       4
4       0       4       0       40      8
5       16      0       0       12      0
6       12      4       4       12      0
7       0       2       8       12      0
8       12      2       4       16      0
9       12      6       0       4       0
10      0       4       0       12      0
11      0       0       0       16      0
12      0       2       16      24      0
13      12      0       0       12      0
14      0       0       0       0       0
15      12      2       0       4       0
16      8       2       4       12      0
17      0       0       4       8       0 ;


# initial inventory level of item type i (units: item)

param Io := 1 0
            2 0
            3 0
            4 0
            5 0;
```