

```

SETS:
    nodes/1..6/:layer;
    connection(nodes,nodes):weight,distance;
ENDSETS

MIN = @SUM( connection(N1,N2) | N2 #GT# N1:
            weight(N1,N2)*(layer(N2)-layer(N1)) );

@FOR( connection(N1,N2) | N2 #GT# N1:
      (layer(N2) - layer(N1)) >= distance(N2,N1) );

DATA:

weight =
    0, 1, 1, 0, 1, 1,
    1, 0, 0, 0, 1, 1,
    1, 0, 0, 1, 0, 1,
    0, 0, 1, 0, 0, 1,
    1, 1, 0, 0, 0, 1,
    1, 1, 1, 1, 1, 0;

distance =
    0,    23,   12,   44,   6,   100,
    23,    0,   21,   11,  29,   18,
    12,   21,    0,   17,   2,   11,
    44,   11,   17,    0,   1,    9,
    6,   29,    2,    1,   0,   88,
    100,  18,   11,    9,  88,    0;

ENDDATA

END

```