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