!运输问题模板;

model:

sets:

!每个向量长度改下;

v1/1..6/ :a;

v2/1..2/ :b;

M (v1,v2):c,x;

endsets

!数据记得改下;

data:

a = 3 5 4 7 6 11;

b = 20 20;

c = 3.758324094593227 5.798706752371601

3.758324094593227 9.199184746487049

5.8576872569299905 2.704163456597992

4.0697051490249265 4.25

5.852349955359813 1.118033988749895

7.115124735378854 5.303300858899107 ;

enddata

min = @sum(v1(i):@sum(v2(j):c(i,j)\*x(i,j)));

!每道题最大的区别就是以下两行约束改下;

@for(v1(i):@sum(v2(j):x(i,j))=a(i)); !n行m列，sum\_{j=1}^m x\_{ij}=a\_i for i=1,2…n;

@for(v2(j):@sum(v1(i):x(i,j))<=b(j)); !n行m列，sum\_{i=1}^n x\_{ij}<=b\_j for j=1,2…m;

end