model:  
  
sets:  
  zhan/1..36/:T,X,Y,S;   
  yunliang(zhan,zhan):xx;    
   
endsets  
  
data:  
T,X,Y,S=  
1.5 3 2 5  
1.5 1 5 6  
0.85 0 8 8  
0.55 5 4 9  
1.2 4 7 11  
1.4 10 2 12  
1.3 3 11 14  
1.5 14 0 14  
2.3 9 6 15  
1.2 7 9 16  
1.9 5 12 17  
1.5 2 16 18  
1.1 17 3 20  
2.7 14 6 20  
1.8 12 9 21  
0.6 7 14 21  
1.8 21 0 21  
1.8 10 12 22  
0.8 6 18 24  
1.5 9 15 24  
0.8 15 12 27  
1.2 22 5 27  
1.5 11 17 28  
1.4 19 9 28  
1.6 15 14 29  
1.2 9 20 29  
1.6 25 7 32  
1.3 17 16 33  
1.6 15 19 34  
2 21 13 34  
1.4 27 9 36  
1 20 17 37  
2.1 25 16 41  
1.3 30 12 42  
1 24 20 44  
1.2 28 18 46;  
  
enddata  
min=@sum(zhan(j):xx(j,j)\*S(j)\*0.4);  
!约束条件;  
!First;  
@for(zhan(j):@sum(zhan(i): xx(i,j)\*T(i))<=6);！运输车总重量不超过六吨；  
@sum(zhan(j):@sum(zhan(i): xx(i,j)\*T(i)))=51;  
@for(zhan(i): @sum(zhan(j):xx(i,j))=1);  
@for(zhan(j):@for(yunliang(l,k)|(k#GT#l)#AND#(k#LE#j):(X(l)-X(k))<=100\*(3-(xx(l,j)+xx(k,j)+xx(j,j)));(Y(l)-Y(k))<=1000\*(3-(xx(l,j)+xx(k,j)+xx(j,j)));));  
@sum(zhan(j):xx(j,j))>=9;  
@for(zhan(i): @for(zhan(j):xx(i,j)<=xx(j,j)));  
@for(zhan(i): @for(zhan(j)|(i#GT#j):xx(i,j)=0));  
@for(yunliang(i,j):@BIN(xx(i,j)));  
end