

Description

|V| : number of markets
|K| : number of products
|M*| : number of markets in our optimal solution
OPT : optimal solution
Sec. : time in seconds of the branch-and-cut approach.

NOTE

Those instances consuming CPU time over 18000 seconds did not finish up optimality, I mean, the results in column OPT with time (column SEC) over 18000 are actually upper bounds.

Generation of distances in Class 3

```
-----  
int TPPLIB::euc_2d(int i,int j)  
{  
    double xd=NodeCoords_[i].first() -NodeCoords_[j].first();  
    double yd=NodeCoords_[i].second()-NodeCoords_[j].second();  
  
    double co=sqrt(xd*xd+yd*yd);  
    return int(co);  
}  
-----
```