

```
##### Begin Addition (section 1 - insert at line 188)
#####

_DISTANCE_FILENAME = r'E:\projects\hca\CBSARandom6Locs2006Lookup.txt' #Should
be passed in.

_DISTANCES={}
with open(_DISTANCE_FILENAME) as f:
    next(f) #loose the header row
    for line in f:
        line=line.rstrip('\r\n')
        parts = line.split('\t')
        source=(float(parts[0]),float(parts[1]))
        dest=(float(parts[2]),float(parts[3]))
        dist=parts[4]
        if source in _DISTANCES:
            _DISTANCES[source][dest]=dist
        else:
            _DISTANCES[source]={}
            _DISTANCES[source][dest]=dist

##### End Addition (section 1) #####

    #y = distance.pdist(y, metric) #Comment out y on line 732

##### Begin Addition (insert section 2 in line 734)
#####

    points=[tuple(row) for row in y]
    sqform=np.zeros((len(points),len(points)))
    for i,source in enumerate(points):
        for j,dest in enumerate(points):
            sqform[i,j]=_DISTANCES[source][dest]
    y=distance.squareform(sqform)

##### End Addition (section 2) #####
```