1 2 3 4 5 3,4 1,5 2,3,4 2,1,5 3,4,1,5

1 0.000000 2.821663 2.38593014 2.32371878 1.4660681 2.35435365 0.7330340 2.2819731 1.7550483 1.4950455

2 2.821663 0.000000 2.45176140 2.52092900 1.5709318 2.48594525 2.1627451 1.2429726 1.0813725 2.1502781

3 2.385930 2.451761 0.00000000 0.11286653 1.4030338 0.05643326 1.8147298 1.2092057 1.8662322 0.9182677

4 2.323719 2.520929 0.11286653 0.00000000 1.4075663 0.05643326 1.7757018 1.2783399 1.8933392 0.8792905

5 1.466068 1.570932 1.40303383 1.40756627 0.0000000 1.40416831 0.7330340 0.8214480 0.5772489 0.6704586

3,4 2.354354 2.485945 0.05643326 0.05643326 1.4041683 0.00000000 1.7944347 1.2429726 1.8789873 0.8972174

1,5 0.733034 2.162745 1.81472984 1.77570184 0.7330340 1.79443473 0.0000000 1.5504032 1.0813725 0.8972174

2,3,4 2.281973 1.242973 1.20920569 1.27833991 0.8214480 1.24297262 1.5504032 0.0000000 0.8972174 1.0813725

2,1,5 1.755048 1.081373 1.86623220 1.89333923 0.5772489 1.87898731 1.0813725 0.8972174 0.0000000 1.2429726

3,4,1,5 1.495045 2.150278 0.91826769 0.87929055 0.6704586 0.89721736 0.8972174 1.0813725 1.2429726 0.0000000

2,3,4 2,1,5 3,4,1,5

1 2 2 3,4

2 3,4 1,5 1,5

Combos[[1]]

2 3 4

1.242973 1.209206 1.278340

> sum(d\*d)

[1] 4.641312

##### master

2 3 4

1.6572968 0.7953100 0.8643887 ###### distance matrix is different!!!

Sepal.Length Sepal.Width

1 -1.3543984 0.8979417

2 1.4672649 0.8979417

3 0.0000000 -1.0663057

4 -0.1128665 -1.0663057

5 0.0000000 0.3367281

6 0.4514661 -0.4115566 ### 6 is col means of 2,3,4 check this is the case in ‘faster’ too

# is it a problem with the data, or the distance matrix??

Combos[[2]]

2 1 5

1.0813725 1.7550483 0.5772489

> sum(d\*d)

[1] 4.582777

Combos[[3]]

> d

3 4 1 5

0.9182677 0.8792905 1.4950455 0.6704586

> sum(d\*d)

[1] 4.301043