x= 1 2 3 1 1 2 4 5 | 1 2 3 4 5
y= 1 2 4 3 5 6 4 5 | 1 2 3 4 5 6 } Initial couple

crossover points

x= **1 2** 3 **1 1 2** 4 5 | 1 2 3 4 5

y= 1 2 4 3 5 6 4 5 | 1 2 3 4 5 6

z= **1 2** 4 **1 1 2** 4 5 | 1 2 3 4 5 6 **1 2** } offspring

z= **7 8** 4 **7 7 8** 4 5 | 1 2 3 4 5 6 **7 8** } groups renamed

z= 3 4 1 3 3 4 1 2 | 1 2 3 4 } final offspring