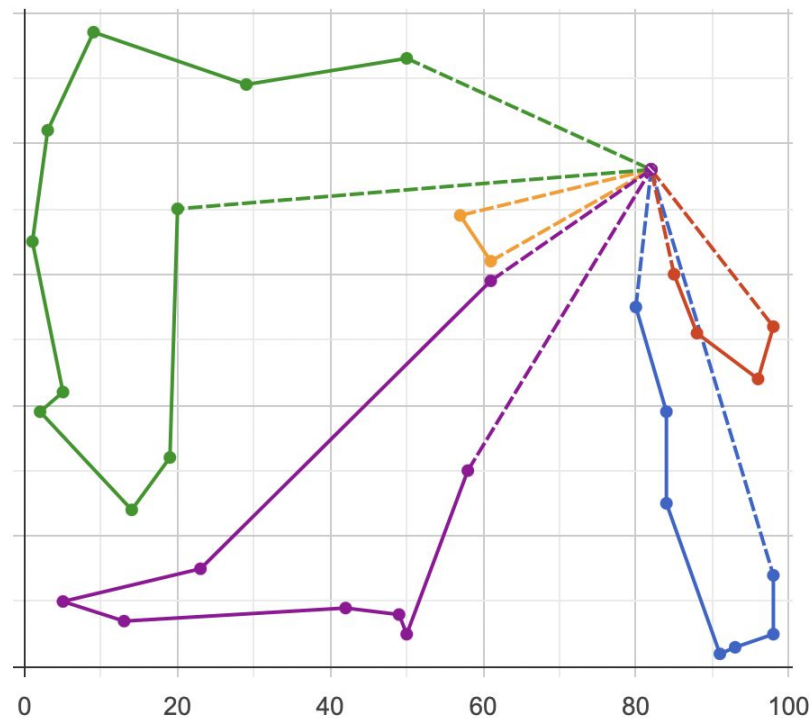


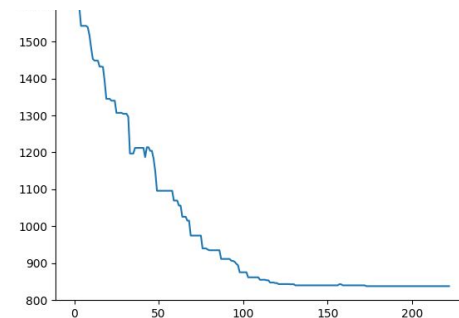
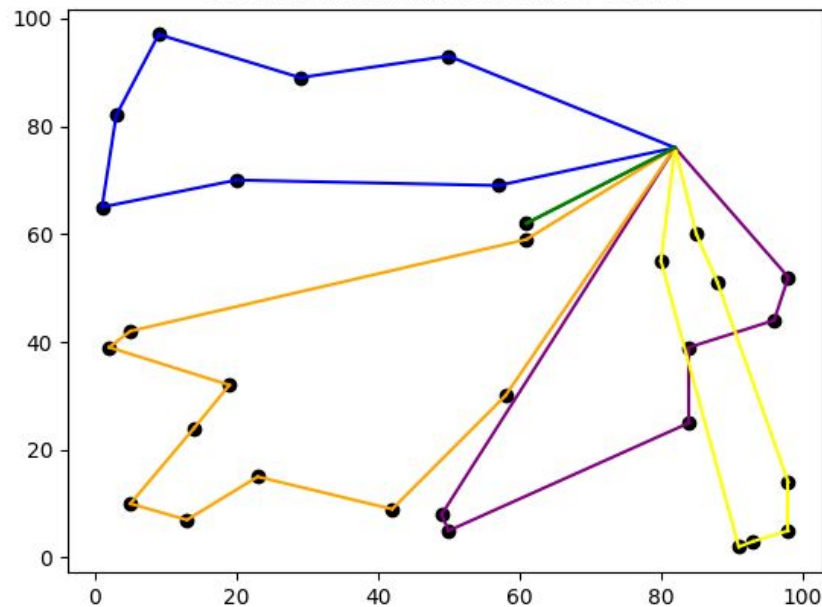
| Задача | Лучший результат | Мой результат | Разница, % |
|--------------------------|---------------------|------------------|------------|
| A-n32-k5 | 784 | 838 | 6,4 |
| A-n39-k5 | 822 | 858 | 4,2 |
| E-n22-k4 | 375 | 375 | 0 |
| F-n45-k4 | 724 | 745 | 2,8 |
| P-n22-k8 | 603 | 588 | -2,6 |
| tai75b | 1345 | 1459 | 7,8 |
| P-n22-k2 | 216 | 216 | 0 |
| B-n31-k5 | 672 | 687 | 2,2 |
| CMT1 | 524 | 544 | 3,7 |
| P-n16-k8 | 450 | 451 | 0,2 |
| | | | 2,47 |

A-n32-k5 (n=31, Q=100)

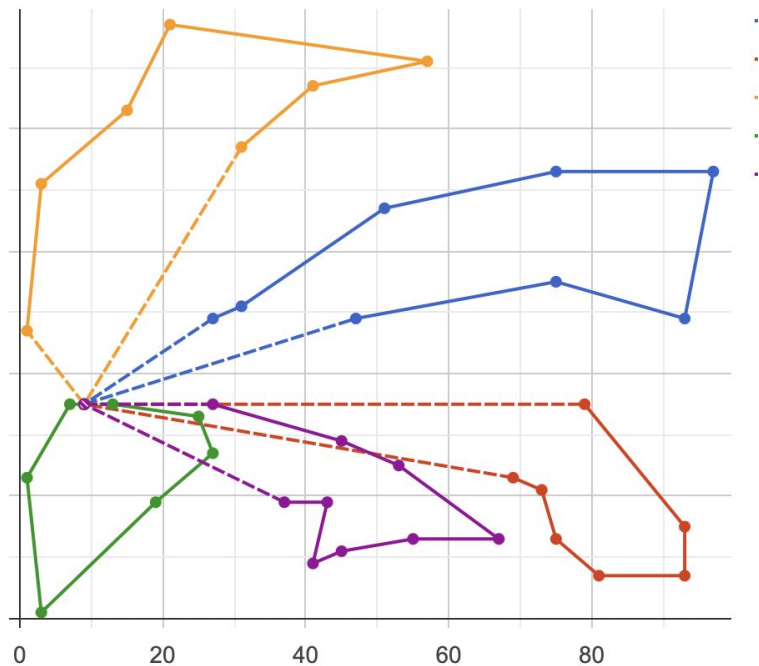


```
CROSSOVER_PROB = 0.8  
MUTATION_PROB = 0.02  
POPULATION_SIZE = 1000  
GENERATIONS = 500
```

Solution of A-n32-k5, distance: 837.56

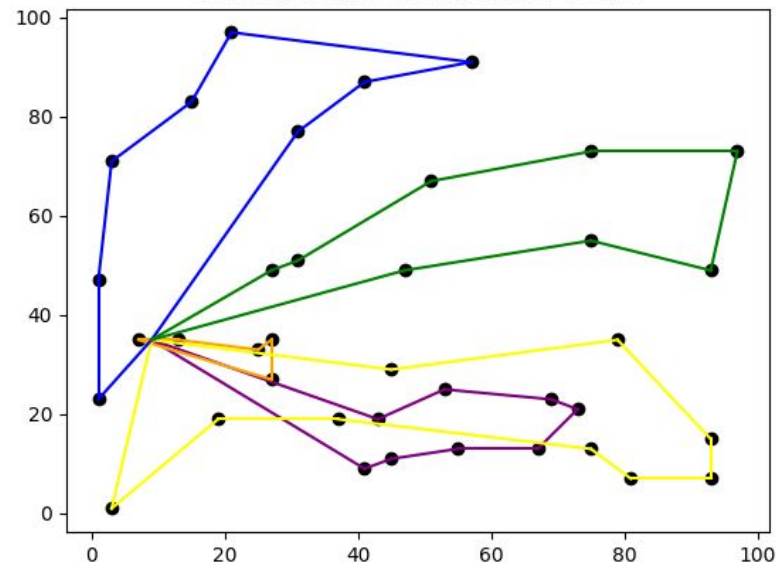


A-n39-k5 (n=38, Q=100)

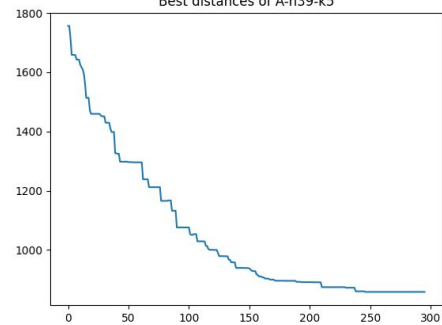


CROSSOVER_PROB = 0.8
MUTATION_PROB = 0.03

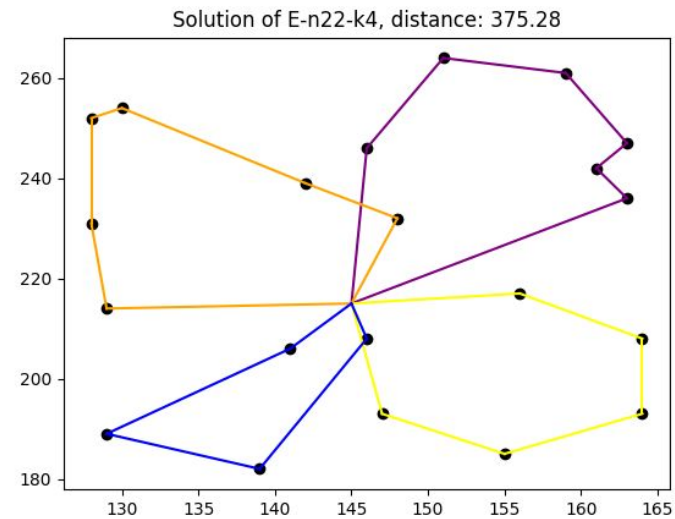
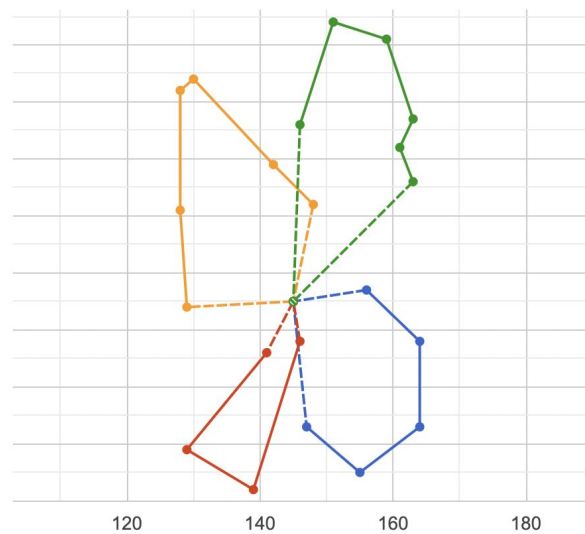
Solution of A-n39-k5, distance: 858.59



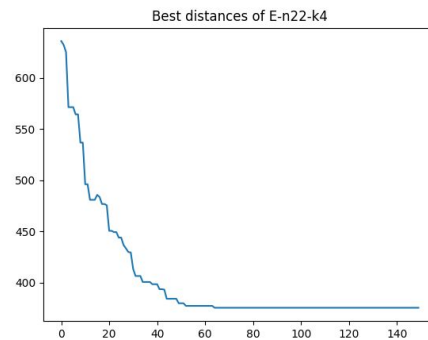
Best distances of A-n39-k5



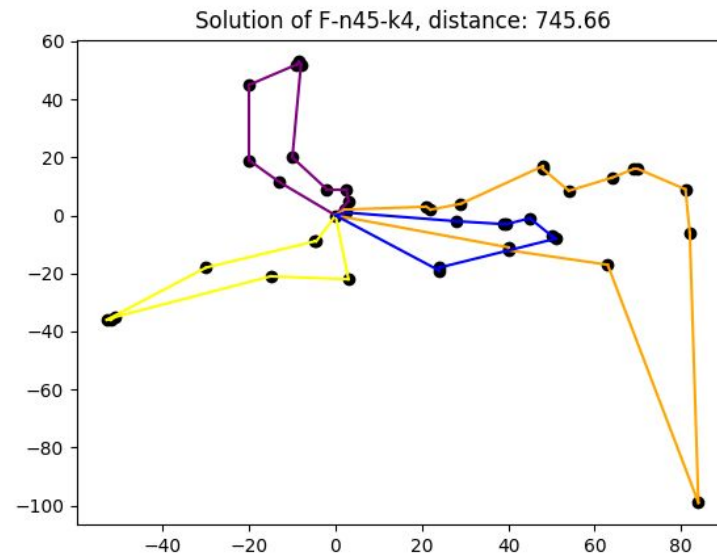
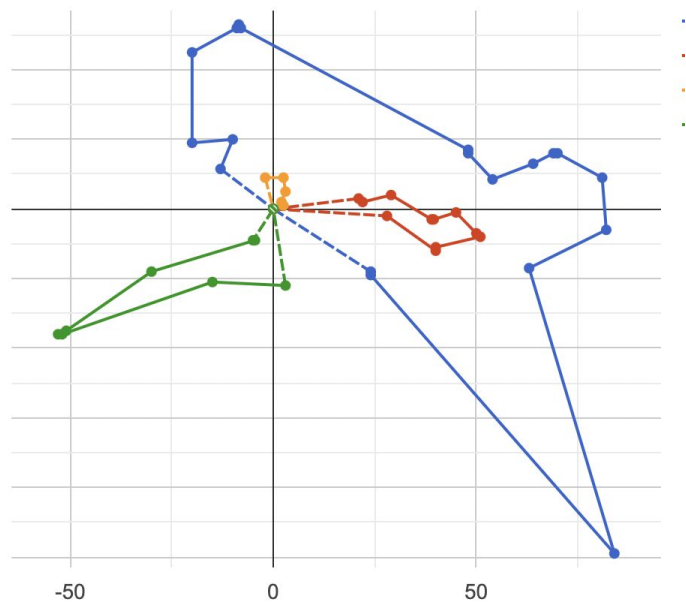
E-n22-k4 (n=21, Q=6000)



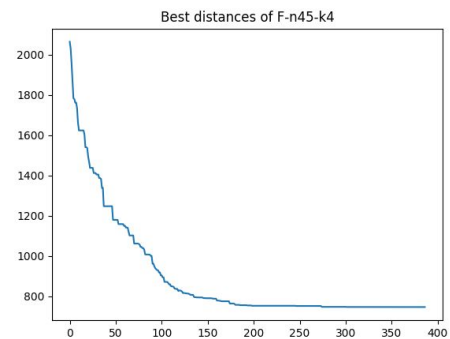
CROSSOVER_PROB = 0.8
MUTATION_PROB = 0.03



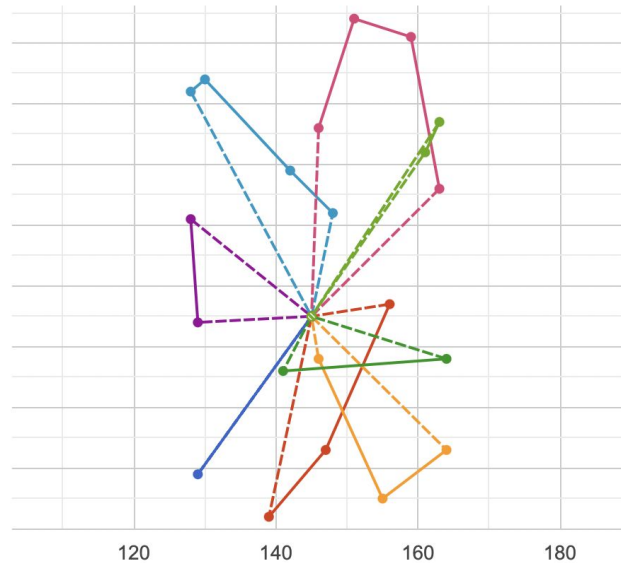
F-n45-k4 (n=44, Q=2010)



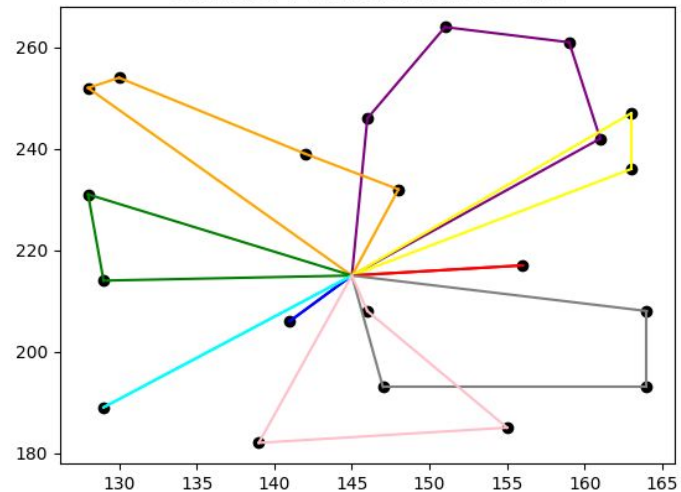
CROSSOVER_PROB = 0.8
MUTATION_PROB = 0.03



P-n22-k8 (n=21, Q=3000)

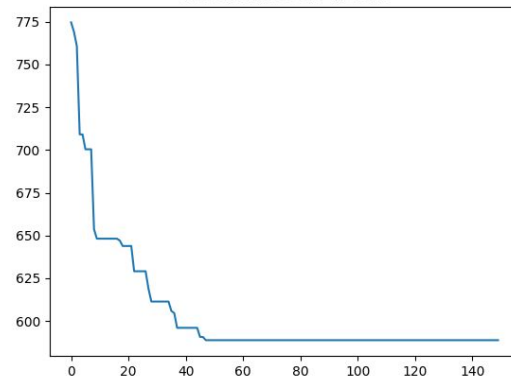


Solution of P-n22-k8, distance: 588.79

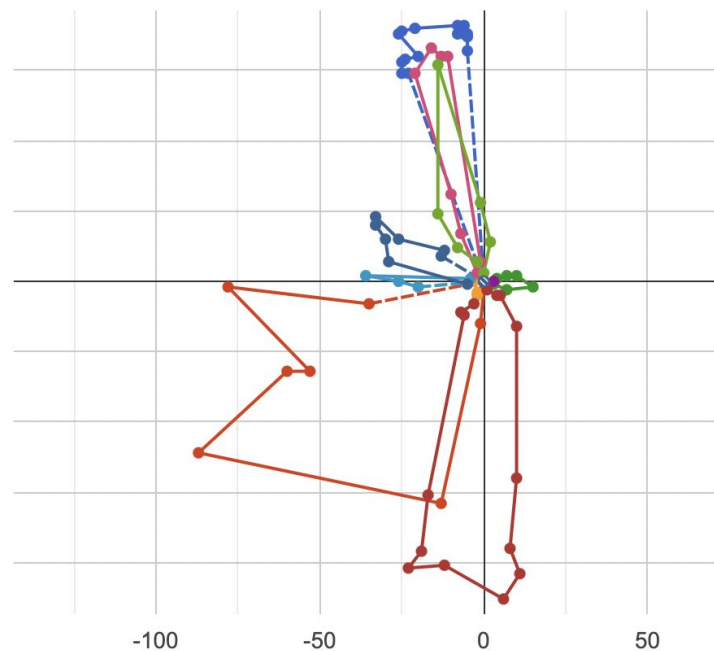


CROSSOVER_PROB = 0.8
MUTATION_PROB = 0.03

Best distances of P-n22-k8

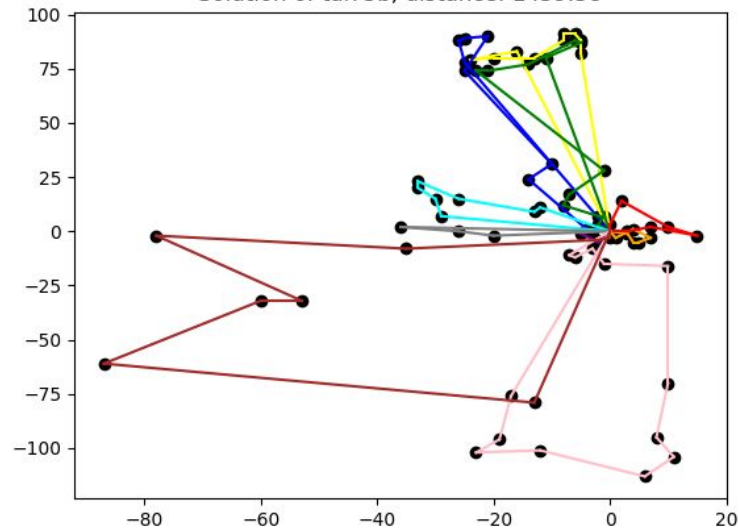


tai75b (n=75, Q=1679)

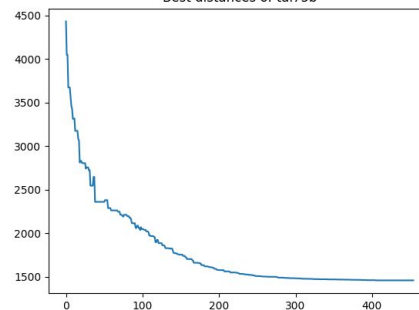


```
CROSSOVER_PROB = 0.8  
MUTATION_PROB = 0.1  
# 1 swap
```

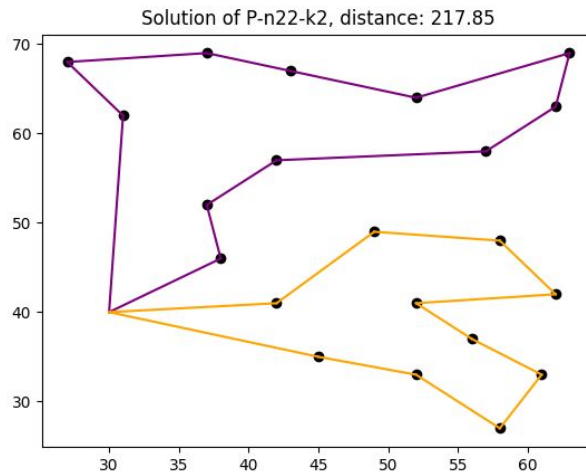
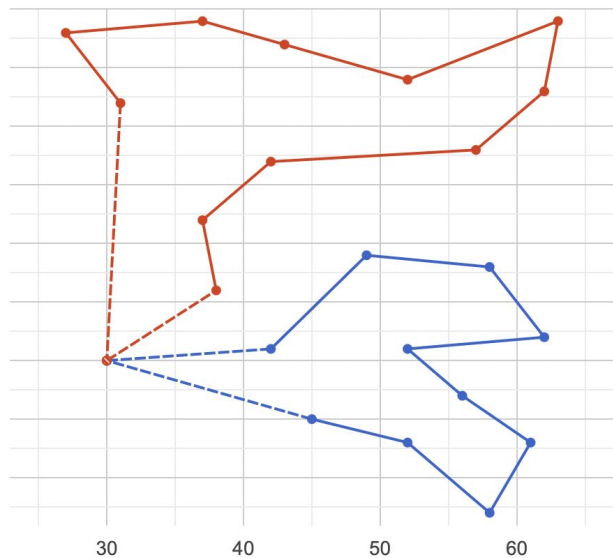
Solution of tai75b, distance: 1459.38



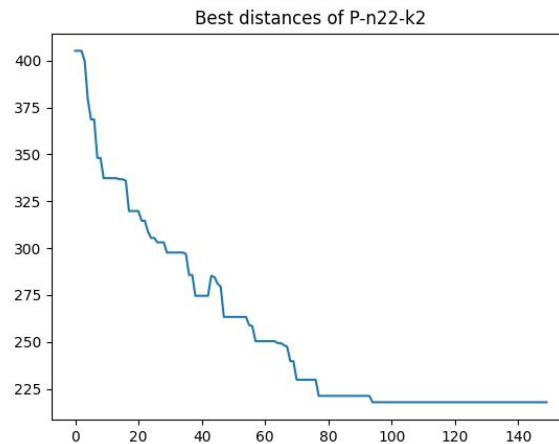
Best distances of tai75b



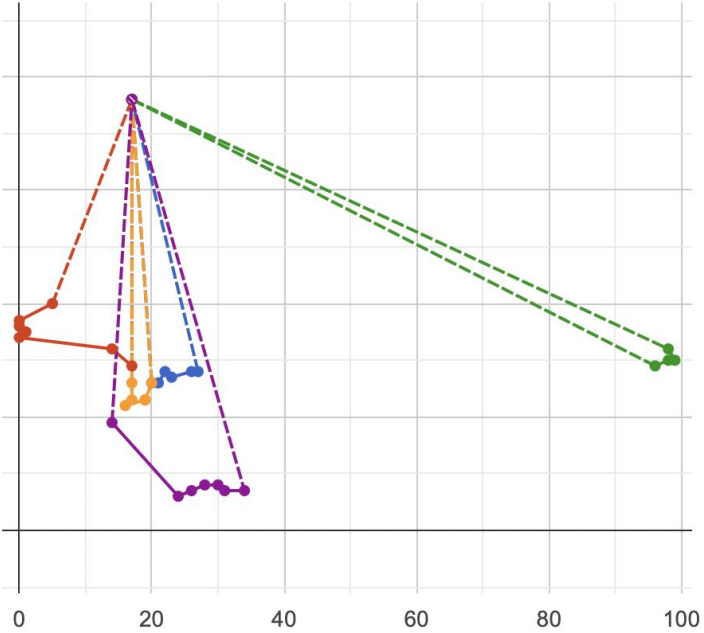
P-n22-k2 (n=21, Q=160)



CROSSOVER_PROB = 0.8
MUTATION_PROB = 0.3

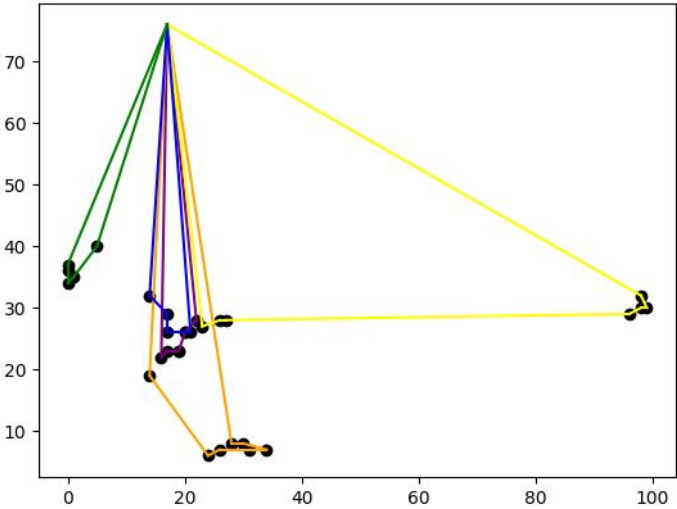


B-n31-k5 (n=30, Q=100)

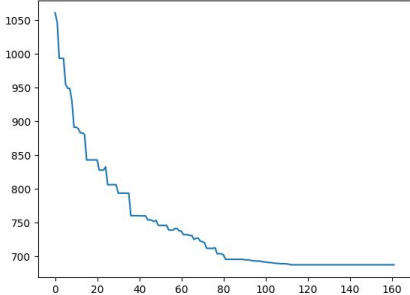


```
CROSSOVER_PROB = 0.8  
MUTATION_PROB = 0.08  
# 1 swap
```

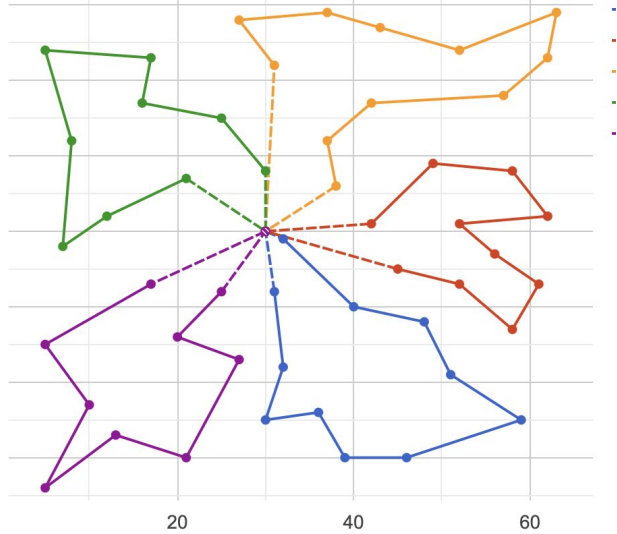
Solution of B-n31-k5, distance: 687.4



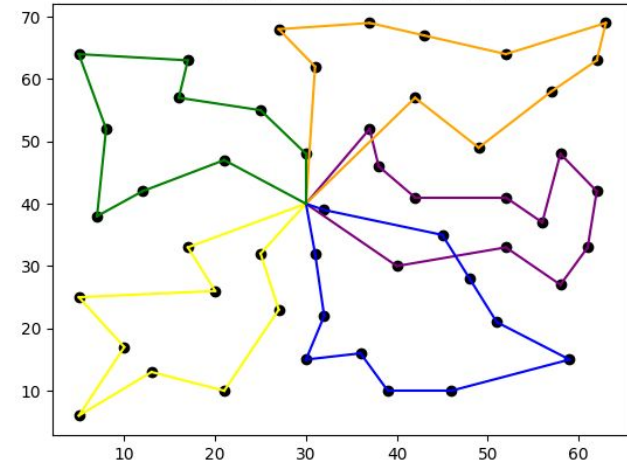
Best distances of B-n31-k5



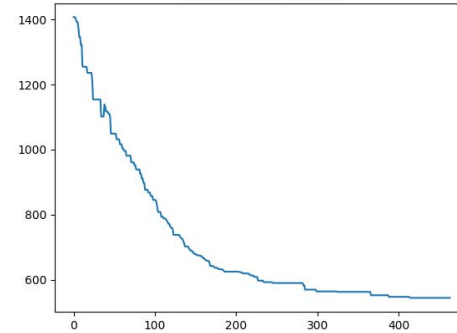
CMT1 (n=50, Q=160)



Solution of CMT1, distance: 544.71



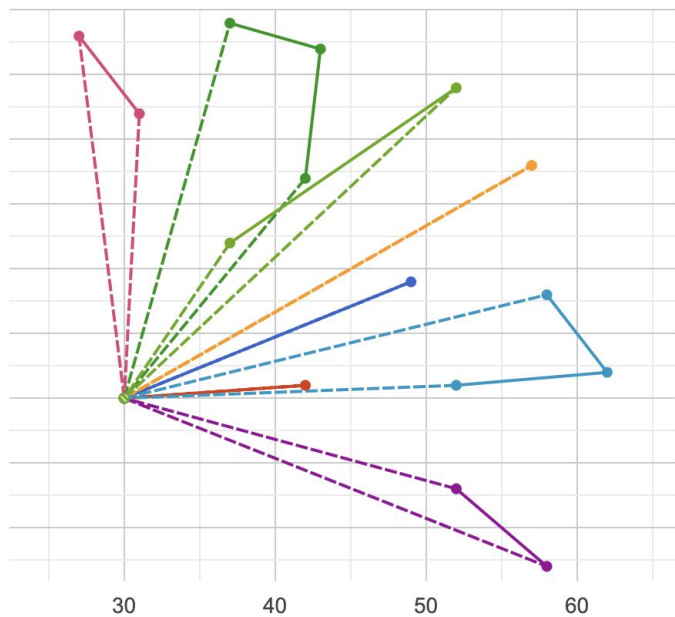
Best distances of CMT1



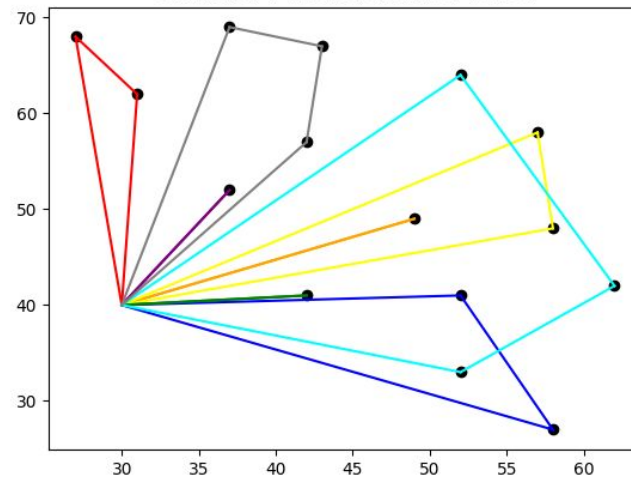
CROSSOVER_PROB = 0.8

MUTATION_PROB = 0.01

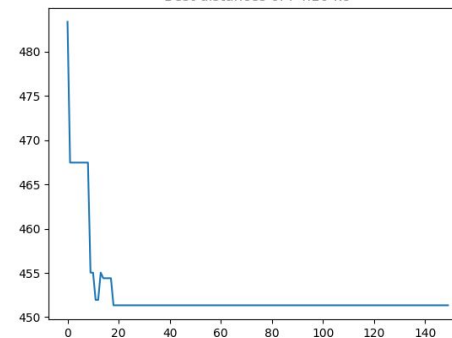
P-n16-k8 (n=15, Q=35)



Solution of P-n16-k8, distance: 451.34



Best distances of P-n16-k8



CROSSOVER_PROB = 0.8

MUTATION_PROB = 0.03