

## TAT LOGS

FOR: /content/drive/MyDrive/Alg II/eil51.tsp the approx tour found a path of length: 587  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/berlin52.tsp the approx tour found a path of length: 10212  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/st70.tsp the approx tour found a path of length: 872  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/eil76.tsp the approx tour found a path of length: 707  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr76.tsp the approx tour found a path of length: 148884  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/rat99.tsp the approx tour found a path of length: 1655  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/kroA100.tsp the approx tour found a path of length: 29383  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/kroB100.tsp the approx tour found a path of length: 29040  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/kroC100.tsp the approx tour found a path of length: 29261  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/kroD100.tsp the approx tour found a path of length: 28137  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/kroE100.tsp the approx tour found a path of length: 31839  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/rd100.tsp the approx tour found a path of length: 10750  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/eil101.tsp the approx tour found a path of length: 820  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/lin105.tsp the approx tour found a path of length: 22611  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr107.tsp the approx tour found a path of length: 60025  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr124.tsp the approx tour found a path of length: 85411  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/bier127.tsp the approx tour found a path of length: 157371  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/ch130.tsp the approx tour found a path of length: 8434  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr136.tsp the approx tour found a path of length: 145811  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr144.tsp the approx tour found a path of length: 88612  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/ch150.tsp the approx tour found a path of length: 9261  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/kroA150.tsp the approx tour found a path of length: 38541  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/kroB150.tsp the approx tour found a path of length: 37129  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr152.tsp the approx tour found a path of length: 90492  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/u159.tsp the approx tour found a path of length: 59051  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/rat195.tsp the approx tour found a path of length: 3509  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/d198.tsp the approx tour found a path of length: 20103  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/kroA200.tsp the approx tour found a path of length: 40926  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/kroB200.tsp the approx tour found a path of length: 40738  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/ts225.tsp the approx tour found a path of length: 200404  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/tsp225.tsp the approx tour found a path of length: 5310  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr226.tsp the approx tour found a path of length: 118085  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/gil262.tsp the approx tour found a path of length: 3352  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr264.tsp the approx tour found a path of length: 69039  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/a280.tsp the approx tour found a path of length: 3865  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr299.tsp the approx tour found a path of length: 65990  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/lin318.tsp the approx tour found a path of length: 63300  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/rd400.tsp the approx tour found a path of length: 21337  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/fl417.tsp the approx tour found a path of length: 17032  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr439.tsp the approx tour found a path of length: 148768  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pcb442.tsp the approx tour found a path of length: 78912  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/d493.tsp the approx tour found a path of length: 48378  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/u574.tsp the approx tour found a path of length: 51760  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/rat575.tsp the approx tour found a path of length: 9705  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/p654.tsp the approx tour found a path of length: 50218  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/d657.tsp the approx tour found a path of length: 67732  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/u724.tsp the approx tour found a path of length: 60470  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/rat783.tsp the approx tour found a path of length: 12676  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr1002.tsp the approx tour found a path of length: 364011  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/u1060.tsp the approx tour found a path of length: 315152  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/vm1084.tsp the approx tour found a path of length: 351232  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pcb1173.tsp the approx tour found a path of length: 83358

Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/d1291.tsp the approx tour found a path of length: 75083  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/r11304.tsp the approx tour found a path of length: 391607  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/r11323.tsp the approx tour found a path of length: 417646  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/nrw1379.tsp the approx tour found a path of length: 79669  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/fl1400.tsp the approx tour found a path of length: 29135  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/u1432.tsp the approx tour found a path of length: 234652  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/fl1577.tsp the approx tour found a path of length: 33525  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/d1655.tsp the approx tour found a path of length: 84818  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/vm1748.tsp the approx tour found a path of length: 489063  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/u1817.tsp the approx tour found a path of length: 88197  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/r11889.tsp the approx tour found a path of length: 473607  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/d2103.tsp the approx tour found a path of length: 126229  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/u2152.tsp the approx tour found a path of length: 97896  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/u2319.tsp the approx tour found a path of length: 367763  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr2392.tsp the approx tour found a path of length: 545869  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pcb3038.tsp the approx tour found a path of length: 199808  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/fl3795.tsp the approx tour found a path of length: 41516  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/fnl4461.tsp the approx tour found a path of length: 259439  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/rl5915.tsp the approx tour found a path of length: 883958  
Thus the Approx Tour algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/rl5915.tsp the approx tour found a path of length: 871225  
Thus the Approx Tour algorithm worked as planned

## **Christofides LOGS**

FOR: /content/drive/MyDrive/Alg II/eil51.tsp the christofides found a path of length: 547  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/berlin52.tsp the christofides found a path of length: 9141  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/st70.tsp the christofides found a path of length: 817  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/eil76.tsp the christofides found a path of length: 653  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr76.tsp the christofides found a path of length: 132010  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/rat99.tsp the christofides found a path of length: 1639  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/kroA100.tsp the christofides found a path of length: 26540  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/kroB100.tsp the christofides found a path of length: 27268  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/kroC100.tsp the christofides found a path of length: 24606  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/kroD100.tsp the christofides found a path of length: 26488  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/kroE100.tsp the christofides found a path of length: 26731  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/rd100.tsp the christofides found a path of length: 9756  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/eil101.tsp the christofides found a path of length: 799  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/lin105.tsp the christofides found a path of length: 18328

Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr107.tsp the christofides found a path of length: 56805  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr124.tsp the christofides found a path of length: 67323  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/bier127.tsp the christofides found a path of length: 143682  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/ch130.tsp the christofides found a path of length: 7232  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr136.tsp the christofides found a path of length: 117823  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr144.tsp the christofides found a path of length: 68460  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/ch150.tsp the christofides found a path of length: 7770  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/kroA150.tsp the christofides found a path of length: 31959  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/kroB150.tsp the christofides found a path of length: 31000  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr152.tsp the christofides found a path of length: 80923  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/u159.tsp the christofides found a path of length: 52082  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/rat195.tsp the christofides found a path of length: 2849  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/d198.tsp the christofides found a path of length: 18952  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/kroA200.tsp the christofides found a path of length: 37859  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/kroB200.tsp the christofides found a path of length: 35605  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/ts225.tsp the christofides found a path of length: 142977  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/tsp225.tsp the christofides found a path of length: 4763  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr226.tsp the christofides found a path of length: 104894  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/gil262.tsp the christofides found a path of length: 2896  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr264.tsp the christofides found a path of length: 55756  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/a280.tsp the christofides found a path of length: 3101  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr299.tsp the christofides found a path of length: 57350  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/lin318.tsp the christofides found a path of length: 50603  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/rd400.tsp the christofides found a path of length: 17552  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/fl417.tsp the christofides found a path of length: 17374  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr439.tsp the christofides found a path of length: 133788  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pcb442.tsp the christofides found a path of length: 59038  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/d493.tsp the christofides found a path of length: 41264  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/u574.tsp the christofides found a path of length: 45836  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/rat575.tsp the christofides found a path of length: 8353  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/p654.tsp the christofides found a path of length: 41218  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/d657.tsp the christofides found a path of length: 60288  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/u724.tsp the christofides found a path of length: 51592  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/rat783.tsp the christofides found a path of length: 11099  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr1002.tsp the christofides found a path of length: 320903  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/u1060.tsp the christofides found a path of length: 267967  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/vm1084.tsp the christofides found a path of length: 284544  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pcb1173.tsp the christofides found a path of length: 69925  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/d1291.tsp the christofides found a path of length: 61290  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/r11304.tsp the christofides found a path of length: 299830  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/r11323.tsp the christofides found a path of length: 322305  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/nrw1379.tsp the christofides found a path of length: 68744  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/fl1400.tsp the christofides found a path of length: 25086  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/u1432.tsp the christofides found a path of length: 182969  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/fl1577.tsp the christofides found a path of length: 28222  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/d1655.tsp the christofides found a path of length: 74305  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/vm1748.tsp the christofides found a path of length: 421862  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/u1817.tsp the christofides found a path of length: 72059  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/r11889.tsp the christofides found a path of length: 374375  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/d2103.tsp the christofides found a path of length: 87064  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/u2152.tsp the christofides found a path of length: 79879  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/u2319.tsp the christofides found a path of length: 293972



Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pr2392.tsp the christofides found a path of length: 463221  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/pcb3038.tsp the christofides found a path of length: 169606  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/fl3795.tsp the christofides found a path of length: 37546  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/fnl4461.tsp the christofides found a path of length: 225157  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/rl5915.tsp the christofides found a path of length: 677586  
Thus the Christofides algorithm worked as planned

FOR: /content/drive/MyDrive/Alg II/rl5934.tsp the christofides found a path of length: 647741  
Thus the Christofides algorithm worked as planned