

Program Assignment #1: Outputs

Outputs are generated on uw1-320-00 computer from my user folder.

Output for 1 thread:

```
thymv@uw1-320-00:~/prog1$ g++ Tsp.cpp Timer.cpp -fopenmp -o Tsp
thymv@uw1-320-00:~/prog1$ ./Tsp 1
# threads = 1
generation: 0
generation: 0 shortest distance = 1265.72      itinerary = V1SPMBQAN26G4J37DX80TF95ZUH0EYRLCWKI
generation: 1 shortest distance = 1067      itinerary = V1WMPCC20E5SBAF97DLGN4RQJT3HY68IKX0UZ
generation: 2 shortest distance = 986.482      itinerary = EMPDQR3BYH0UJ2CS51V048KG9FXI6AL7ZWTN
generation: 3 shortest distance = 936.306      itinerary = VI09867ALRBQP5CWYZ14NTX3DEUFKH0SM2JG
generation: 4 shortest distance = 721.286      itinerary = VI09864NTXFKGL7AHYZ1U0EDR3QPMS5CWJ2B
generation: 7 shortest distance = 711.756      itinerary = VI08X9FKTNGLA4673RQPCMW5S2HZY1EUJBD0
generation: 8 shortest distance = 641.258      itinerary = V1ZHCSW520LA3RDQBPMYUJ6I048FK9TXNG7
generation: 11 shortest distance = 588.023      itinerary = V1YZHU0E2WS5CMPQBDRAL7J0I64NTGXF983
generation: 14 shortest distance = 547.794      itinerary = V1YZHE02WSC5MPBQD3R7LAKFXNT4G9I0JU68
generation: 16 shortest distance = 518.093      itinerary = V1YZH5CWSMPQBDR37LAF9KT8XG4NOI6UJ20E
generation: 18 shortest distance = 506.354      itinerary = V1YZH5CWSMPQBDR37LAFKTN489XGOI6J0E2U
generation: 20
generation: 20 shortest distance = 502.795      itinerary = V1YZHE025CWSMPBQDR37LA4NTXKF9G8I06JU
generation: 22 shortest distance = 485.408      itinerary = V1YZHUE025CWSMPBDR37LAFK9GXNT48I06JQ
generation: 25 shortest distance = 478.897      itinerary = V1YZHUE02WSC5MPBQDR37LAGKF9XNT48I06J
generation: 28 shortest distance = 474.364      itinerary = V1YZHUE025CWSPQBDR37LAGXKF94NT80I6J
generation: 33 shortest distance = 470.202      itinerary = V1YZHUE02WSC5MPQBDR37LA9FKGXNT48I06J
generation: 40
generation: 45 shortest distance = 468.509      itinerary = V1YZHUE02WSC5MPQBD3R7LAFK9GXNT480I6J
generation: 47 shortest distance = 466.624      itinerary = V1YZHUE02WSC5MPQBDR37LAF9KGXNT480I6J
generation: 48 shortest distance = 465.436      itinerary = V1YZHUE02SWC5MPQBDR37LAF9KGXNT480I6J
generation: 59 shortest distance = 465.285      itinerary = V1YZHUE02WSC5MPQBDR37LA9FKGXNT48I06J
generation: 60
generation: 60 shortest distance = 453.554      itinerary = V1YZHUE025CWSMPQBDR37LAF9KGXNT480I6J
generation: 80
generation: 100
generation: 100 shortest distance = 452.975      itinerary = V1YZHUE025CWSMPQBDR37LAF9KGXNT48I06J
generation: 102 shortest distance = 450.238      itinerary = V1YZHUE025CWSMPQBDR37LAF9KGXNT480I6J
generation: 118 shortest distance = 449.658      itinerary = V1YZHUE025CWSMPQBDR37LAF9KGXNT48I06J
generation: 120
generation: 140
elapsed time = 9223982
thymv@uw1-320-00:~/prog1$
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Output for 4 threads:

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thymv@uw1-320-00:~/prog1$ ./Tsp 4
# threads = 4
generation: 0
generation: 0 shortest distance = 1265.72 itinerary = V1SPMBQAN26G4J37DX80TF95ZUH0EYRLCWKI
generation: 1 shortest distance = 1106.14 itinerary = V1X80T4J37RLKFZUH0EYMBPWSC26GQAN9I5D
generation: 2 shortest distance = 967.344 itinerary = 04G XK8UZ5WCMBR3QDN9FL6I1VHE7JY02SPTA
generation: 3 shortest distance = 881.913 itinerary = V14R37DLGNF9XAKBQMP20E5SCWJOTZYUHI68
generation: 4 shortest distance = 825.993 itinerary = V1YJI89X460ZUH5SWPM2DAL7R3BQ0ENTFGKC
generation: 5 shortest distance = 819.24 itinerary = PMSWC5EJ02HYV1IOT4N98GK7LAFDR3QBZUX6
generation: 6 shortest distance = 708.952 itinerary = V1YUZH0W5C2SPMR3DBQ7JFA94NT680IKGLX
generation: 7 shortest distance = 705.171 itinerary = V1HZYUE20BQMPDR3JOI8XN4TGK9AL7F5CWS6
generation: 9 shortest distance = 656.92 itinerary = V1YHZUE0JBMPQD2WSC5R37X48TN9FKIO6ALG
generation: 10 shortest distance = 651.309 itinerary = V1YZH5CWSMPQDBUE3R7984TNXKF06IAGLJ02
generation: 11 shortest distance = 633.712 itinerary = V1YZH5SWCMPBQ0E2DLA9KX4NT8IO6R37GFJU
generation: 12 shortest distance = 604.704 itinerary = V1YHZUE02WSC5MPBDQAL7R3IO6JN48TGFKX9
generation: 13 shortest distance = 599.425 itinerary = V1YZHGX9KFALR3DQBMSWC52EU0J7IO6TN48
generation: 14 shortest distance = 563.925 itinerary = V1YZUE20H5CWSPMBQDR34NT8GXKFA7L9IO6J
generation: 15 shortest distance = 552.814 itinerary = V1YZHU60I84NTKF9XGR3DBPMWSC52E0J7LAQ
generation: 16 shortest distance = 536.147 itinerary = V10I684NTXGKF9L7A3RDBQPMWSHYZYUJ0EC2
generation: 17 shortest distance = 503.244 itinerary = 1VI0684XNTGF9KAL73RDBQPMWSC52E0JUZYH
generation: 19 shortest distance = 496.965 itinerary = V1YZH5CWSMPBDR37LA9FKGXNT4860IUE20JQ
generation: 20
generation: 20 shortest distance = 488.117 itinerary = V1YZHUE02WSC5MPBQDR37ALJ60I84NTX9FKG
generation: 23 shortest distance = 483.217 itinerary = V1YZHUE025CWSMPQBDR3AL7J60I8TN4XGFK9
generation: 24 shortest distance = 481.522 itinerary = V1YZHUE025CWSMPBDQ3R7LAKF9J60I84NTXG
generation: 27 shortest distance = 479.088 itinerary = V1YZHUE02WSC5MPBDJ60I84NTXGK9FAL7R3Q
generation: 30 shortest distance = 470.781 itinerary = V1YZHUE02WSC5MPQBDR37LA9FKGXNT480I6J
generation: 33 shortest distance = 470.202 itinerary = V1YZHUE02WSC5MPQBDR37LA9FKGXNT48I06J
generation: 39 shortest distance = 466.624 itinerary = V1YZHUE02WSC5MPQBDR37LAF9KGXNT480I6J
generation: 40
generation: 49 shortest distance = 465.865 itinerary = V1YZHUE02W5CSMPQBDR37LA9FKGXNT480I6J
generation: 55 shortest distance = 465.558 itinerary = V1YZHUE025CSMPQBDR37LAF9KGXNT480I6J
generation: 60
generation: 63 shortest distance = 463.307 itinerary = V1YZHUE02WSC5MPQBDR37LAF9KGXNT480I6J
generation: 64 shortest distance = 462.548 itinerary = V1YZHUE02W5CSMPQBDR37LA9FKGXNT480I6J
generation: 65 shortest distance = 461.708 itinerary = V1YZHUE02W5CSMPQBDR37LAF9KGXNT480I6J
generation: 67 shortest distance = 459.828 itinerary = V1I0684TNXGF9KAL7R3DBQPMWSC5HYZUE20J
generation: 77 shortest distance = 458.755 itinerary = V1YZHUE025CWSMPQBDR37LAFK9GXNT480I6J
generation: 80
generation: 81 shortest distance = 458.391 itinerary = V1YZHUE02W5CSMPQBDR37LAF9KGXNT480I6J
generation: 89 shortest distance = 457.711 itinerary = V1YZHUE025CWSMPQBDR37LA9FKGXNT480I6J
generation: 98 shortest distance = 457.462 itinerary = V1YZHUE025CWSMPQBDR37LAF9KGXNT480I6J
generation: 100
generation: 100 shortest distance = 453.554 itinerary = V1YZHUE025CWSMPQBDR37LAF9KGXNT480I6J
generation: 120
generation: 120 shortest distance = 452.975 itinerary = V1YZHUE025CWSMPQBDR37LAF9KGXNT48I06J
generation: 121 shortest distance = 450.238 itinerary = V1YZHUE025CWSMPQBDR37LAF9KGXNT480I6J
generation: 139 shortest distance = 449.658 itinerary = V1YZHUE025CWSMPQBDR37LAF9KGXNT48I06J
generation: 140
elapsed time = 3422313
thymv@uw1-320-00:~/prog1$

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