

Problema do caixeiro viajante

- Encontre a ordem ótima para visitar as 20 cidades apontadas a seguir, dada a matriz de distância entre elas.

Order on route	City
1	Anchorage AK
2	Calgary AB
3	Chicago IL
4	Dawson Creek BC
5	Edmonton AB
6	Halifax NS
7	Montreal PQ
8	New York NY
9	Ottawa ON
10	Prince Rupert BC

11	Quebec PQ
12	Regina SK
13	Saint John NB
14	San Francisco CA
15	Thunder Bay ON
16	Toronto ON
17	Vancouver BC
18	Whitehorse YT
19	Windsor ON
20	Winnipeg MB

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From\To	Anchorage AK	Calgary AB	Chicago IL	Dawson Creek BC	Edmonton AB	Halifax NS	Montreal PQ	New York NY	Ottawa ON	Prince Rupert BC	Quebec PQ	Regina SK	Saint John NB	San Francisco CA	Thunder Bay ON	Toronto ON	Vancouver BC	Whitehorse YT	Windsor ON	Winnipeg MB
Anchorage AK	0	2182	3690	1629	1999	5111	4300	4499	4172	1666	4448	2481	4877	3159	3238	4106	2237	725	4024	2812
Calgary AB	2182	0	1608	553	183	3175	2332	2427	2236	949	2441	479	2908	1355	1302	2170	652	1457	1904	844
Chicago IL	3690	1608	0	2001	1691	1627	847	809	736	2602	1010	1149	1383	2173	648	515	2176	2965	278	862
Dawson Creek BC	1629	553	2001	0	370	3482	2671	2870	2543	709	2819	852	3240	1660	1609	2477	743	904	2395	1183
Edmonton AB	1999	183	1691	370	0	3112	2301	2500	2173	911	2449	482	2878	1538	1239	2107	766	1274	2025	813
Halifax NS	5111	3175	1627	3482	3112	0	828	923	951	4023	668	2681	259	3853	1890	1199	3842	4386	1436	2316
Montreal PQ	4300	2332	847	2671	2301	828	0	382	127	3212	160	1853	576	2959	1067	344	3014	3575	540	1488
New York NY	4499	2427	809	2870	2500	923	382	0	430	3411	566	1968	661	2930	1329	516	2943	3774	652	1660
Ottawa ON	4172	2236	736	2543	2173	951	127	430	0	3084	283	1725	704	2861	934	248	2886	3447	469	1364
Prince Rupert BC	1666	949	2602	709	911	4023	3212	3411	3084	0	3360	1393	3789	1896	2150	3018	942	941	2936	1721
Quebec PQ	4448	2441	1010	2819	2449	668	160	566	283	3360	0	1962	435	3122	1171	463	3123	3723	700	1597
Regina SK	2481	479	1149	852	482	2681	1853	1968	1725	1393	1962	0	2386	1686	791	1659	1131	1756	1427	365
Saint John NB	4877	2908	1383	3240	2878	259	576	661	704	3789	435	2386	0	3571	1638	879	3590	4152	1116	2064
San Francisco CA	3159	1355	2173	1660	1538	3853	2959	2930	2861	1896	3122	1686	3571	0	2223	2627	954	2434	2402	1951
Thunder Bay ON	3238	1302	648	1609	1239	1890	1067	1329	934	2150	1171	791	1638	2223	0	868	1952	2513	784	428
Toronto ON	4106	2170	515	2477	2107	1199	344	516	248	3018	463	1659	879	2627	868	0	2820	3381	237	1296
Vancouver BC	2237	652	2176	743	766	3842	3014	2943	2886	942	3123	1131	3590	954	1952	2820	0	1512	2480	1526
Whitehorse YT	725	1457	2965	904	1274	4386	3575	3774	3447	941	3723	1756	4152	2434	2513	3381	1512	0	3299	2087
Windsor ON	4024	1904	278	2395	2025	1436	540	652	469	2936	700	1427	1116	2402	784	237	2480	3299	0	1212
Winnipeg MB	2812	844	862	1183	813	2316	1488	1660	1364	1721	1597	365	2064	1951	428	1296	1526	2087	1212	0