	symmetric	asymmetric
without triangle inequality	61/81 – o(1) Improved deterministic approximation algorithms for Max TSP, Chen, et al., '05	2/3 Approximation Algorithms for Asymmetric TSP by Decomposing Directed Regular Multigraphs, Kaplan, et al., '05
	3/4 An algorithm with an estimate for the traveling salesman problem of maximum (German), Serdyukov, '84	5/8 A 5/8 approximation algorithm for the maximum asymmetric TSP, Lewenstein, et al., '03
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	25/33 – o(1), randomized Better approximation for Max TSP, Hassin & Rubinstein, '00	38/63 Long tours and short super-strings, Kosaraju, et al., '94
		1/2 An analysis of approximations for finding a maximum weight Hamiltonian circuit, Fisher, et al., '79
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	5/6 Polynomial algorithms with estimates 3/4 and 5/6 for the traveling salesman problem of maximum (German), Kostochka, et al., '85	10/13 Approximation Algorithms for Asymmetric TSP by Decomposing Directed Regular Multigraphs, Kaplan, et al., '05
	7/8 – o(1), randomized A 7/8-approximation approximations for metric max TSP, Hassin & Rubinstein, '02	3/4 Polynomial algorithms with estimates 3/4 and 5/6 for the traveling salesman problem of maximum (German), Kostochka, et al., '85
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		2/3 Approximating maximum weight cycle covers in directed graphs with edge weights zero and one, Blaser, et al., '03
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sharpend triangle inequality	a + $(1-a)((1-beta)/beta)^2$, where 'a' is factor for TSP with triangle inequality Approximation algorithms for the traveling salesman problem, Monnot, et. al., '02	
relaxed triangle inequality		
euclidean		
planar		