Midnapore College (Autonomous)

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A hypothetical symmetric 4D TSP data set:-

cities = 0,1,2
roads = 0,1,2
vehicles = 0,1,2

Cost Table :

cities			0				1				2			
0		ROADS					ROADS				ROADS			
	VEHICLES		0	1	2	VEHICLES	0	1	2	VEHICLES	0	1	2	
		0	0	0	0	0	43	45	20	0	40	35	28	
		1	0	0	0	1	21	35	34	1	23	53	31	
		2	0	0	0	2	50	39	42	2	22	47	31	
1		ROADS					ROADS				ROADS			
	VEHICLES		0	1	2	VEHICLES	0	1	2	VEHICLES	0	1	2	
		0	43	45	20	0	0	0	0	0	31	19	29	
		1	21	35	34	1	0	0	0	1	31	21	21	
		2	50	39	42	2	0	0	0	2	27	30	17	
2		ROADS					ROADS				ROADS			
	VEHICLES		0	1	2	VEHICLES	0	1	2	VEHICLES	0	1	2	
		0	40	35	28	0	31	19	29	0	0	0	0	
		1	23	53	31	1	31	21	21	1	0	0	0	
		2	22	47	31	2	27	30	17	2	0	0	0	

Table Explaination :
This table defines cost of visiting one city to another city. There is 3 cities. We have 3 roads available between each pair of cities, and 3 vehicle which all has different cost road to road.

Example :-

Cost Table :

cities	0				1				2		
0		ROADS				ROADS				ROADS	
	VEHICLES		0	1	2		0	1	2		0
		0	0	0	0	0	43	45	20	0	40
		1	0	0	0	1	21	35	34	1	23
		2	0	0	0	2	50	39	42	2	22
1		ROADS				ROADS				ROADS	
	VEHI		0	1	2		0	1	2		0
		0	43	45	20	0	0	0	0	0	31

The read outlined cell defines the cost of visiting city 0 to city 1 with vehicle 1 via road 2.