Nearly equal trimagic squares

4a and **4b** are axially symmetric trimagic squares of order 12.
Only 8 digits are different in both square matrices.

4a

6	32	69	55	105	103	78	13	128	50	143	88
112	26	23	21	108	47	19	106	77	94	93	144
59	34	27	4	89	100	101	58	99	30	129	140
8	127	85	41	134	123	15	80	49	102	36	70
79	28	131	71	82	138	97	9	12	116	53	54
73	61	120	114	10	107	20	35	24	142	81	83
72	84	25	31	135	38	125	110	121	3	64	62
66	117	14	74	63	7	48	136	133	29	92	91
137	18	60	104	11	22	130	65	96	43	109	75
86	111	118	141	56	45	44	87	46	115	16	5
33	119	122	124	37	98	126	39	68	51	52	1
139	113	76	90	40	42	67	132	17	95	2	57

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4b

6	32	69	55	105	103	78	13	128	50	143	88
112	26	23	21	108	47	19	106	77	94	93	144
59	34	27	4	89	100	101	58	99	30	129	140
8	127	85	41	134	123	15	80	49	102	36	70
79	28	131	71	82	138	97	9	12	116	54	53
73	61	120	114	10	107	20	35	24	142	83	81
72	84	25	31	135	38	125	110	121	3	62	64
66	117	14	74	63	7	48	136	133	29	91	92
137	18	60	104	11	22	130	65	96	43	109	75
86	111	118	141	56	45	44	87	46	115	16	5
33	119	122	124	37	98	126	39	68	51	52	1
139	113	76	90	40	42	67	132	17	95	2	57

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difference matrix

0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	–1	1
0	0	0	0	0	0	0	0	0	0	–2	2
0	0	0	0	0	0	0	0	0	0	2	–2
0	0	0	0	0	0	0	0	0	0	1	–1
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0

See also: p-equivalent k-tuples.pdf Walter Trump, 2018-02-06

Holger Danielsson found an additional transformation and obtained the square **4c** (2018-03-02). See trimagic-HD.pdf .