

P0

0	1	2	3	4	5	6	7	8	9
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13	26	12	11	23
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P1

10	11	12	13	14	15	16	17	18	19
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22	35	27	5
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P2

20	21	22	23	24	25	26	27	28	29
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31	8	19	30	16	13
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P3

30	31	32	33	34	35	36	37	38	39
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29	18	26
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local arrays of distributed array

halo (required indexes)