

Mutation by exchanging genes

Before mutation:

14	1	3	0	2	15	8	10	0	16	6	9	12	0	13	5	7	4	11	0
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After mutation:

14	1	3	0	2	15	8	5	0	16	6	9	12	0	13	10	7	4	11	0
----	---	---	---	---	----	---	---	---	----	---	---	----	---	----	----	---	---	----	---

↑
exchanged

Mutation by shifting genes

Before mutation:

14	1	3	0	2	15	8	10	0	16	6	9	12	0	13	5	7	4	11	0
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After mutation:

14	1	3	0	2	15	8	5	0	12	16	6	9	0	13	10	7	4	11	0
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⏟
right shift