

The 8-queen problem : recombination

1 3 5 2 6 4 7 8

8 7 6 5 4 3 2 1

Solution

① choose random crossover point

1 3 5 | 2 6 4 7 8
8 7 6 | 5 4 3 2 1

② copy first parts into children

1 3 5 |
8 7 6 |

③ insert values from other parent
skipping values already in child

1 3 5 | 4 2 8 7 6
8 7 6 | 2 4 1 3 5

1 3 5 | 2 6 4 7 8
8 7 6 | 5 4 3 2 1

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