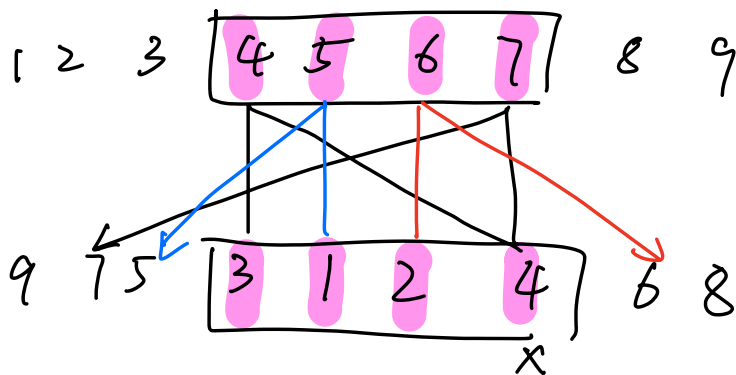Crossover
Testing crossover and mutation
PMX involving the substrings in red

1.Write the remaining values of the genes for the offspring wish substring "4567".
Example, if the offspring ls 123456789, you should write your answer as "12389", without the quotes

2.Write the remaining values of the genes for the offspring wish substring "3124".
Example, if the offspring ls 123456789, you should write your answer as "12389", without the quotes

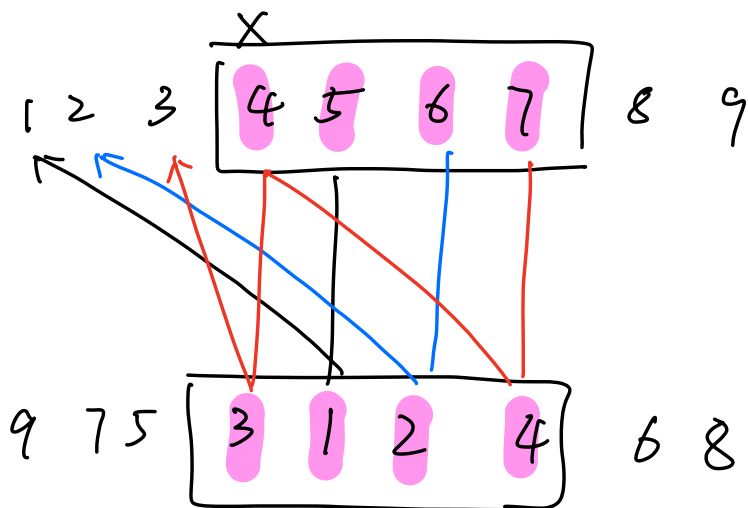1 2 3 4 5 6 7 8 9

9 7 5 3 1 2 4 6 8

Solution ① 3   1   2   remain

1 2 3 | 4 5 6 7 | 8 9

9 7 5 | 3 1 2 4 | 6 8
           x

| 9 | 3 | 1 | 4 5 6 7 | 2 | 8 |

Answer is   9 3 1 2 8

②

X

1 2 3 | 4 5 6 7 | 8 9

9 7 5 | 3 1 2 4 | 6 8

| 5 | 6 | 7 | 3 1 2 4 | 8 | 9 |

Answer is 5 6 7 8 9