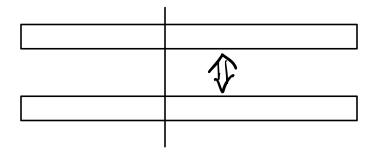
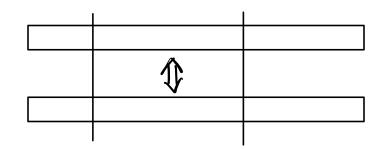
## Existing methods:

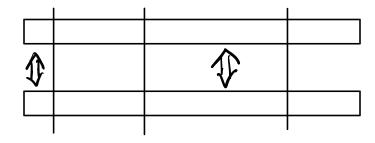


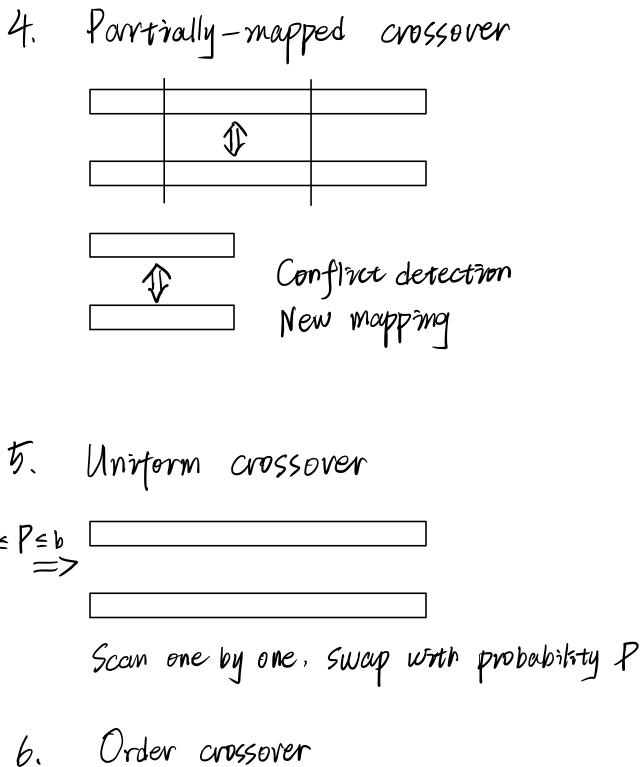


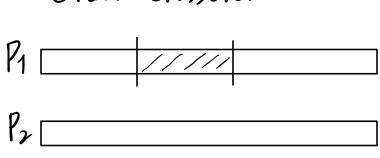
2. Two-points crossover

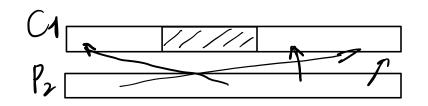


3. Multi-point crossover



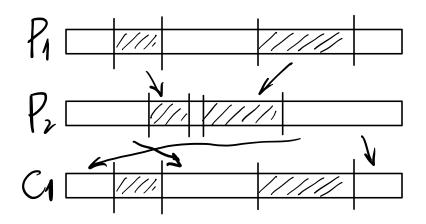






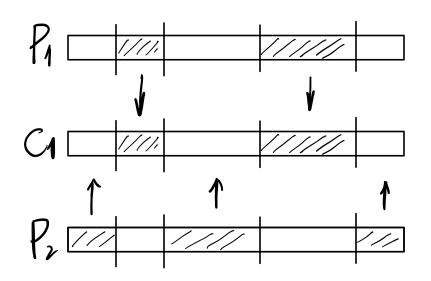
Fill missing ones of Child 1 from Powent 2

## 7. Position-based crossover

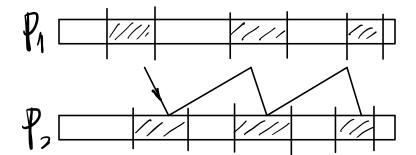


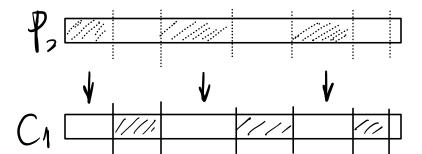
Chose from pavent 1. Find corresponding ones in P2. Use the rest of P2 and Chosen ones from P1 to get Child 1

8. Order-based crossover



9. Cycle crossover

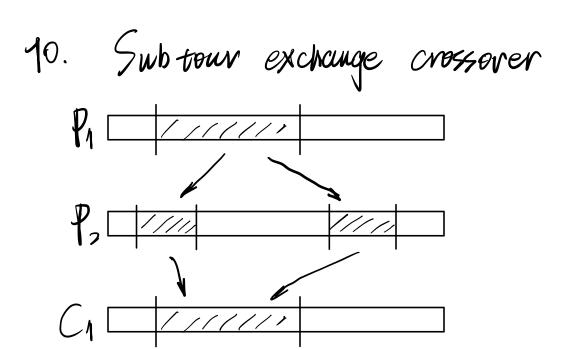




Chose random position from pavent 1

Find corresponding value on pavent 2

Then find value position on pavent 1 and so on.



Find a group of positions from powent1

Then find corresponding value on powent2

Disvegand the orders, use values from pavent 2 and rest part of pavent 1 to get child 1

Proposed method:

- 1) Use more than 2 pavents
- 1 Hybrid methods:

Ex. Combine PMX and OX

Chose one with probability P