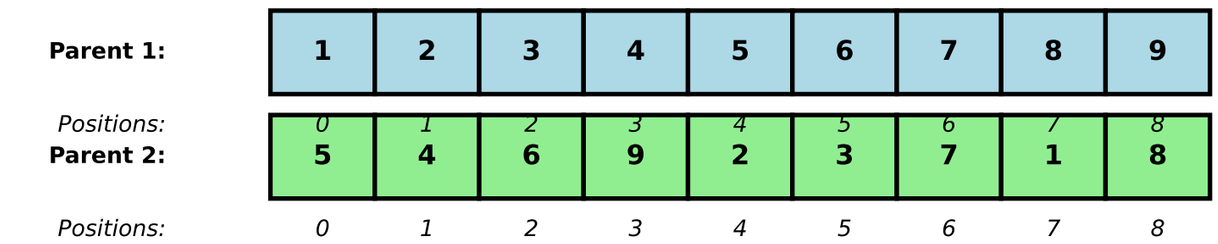
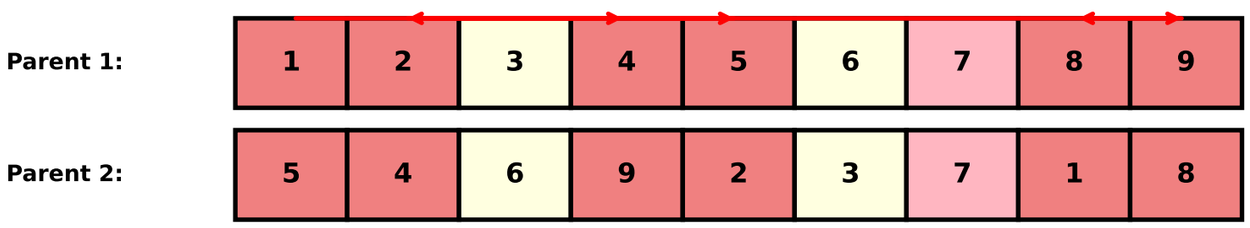
Step 1: Original Parents with Position Indices



Step 2: Find Cycle 1 (Starting from Position 0)

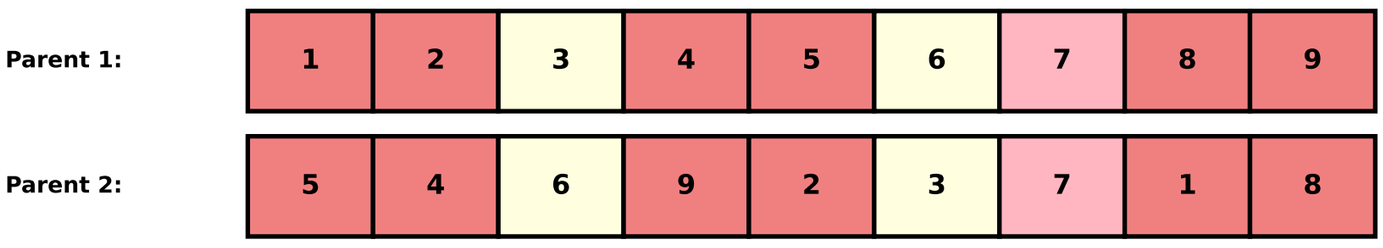


Cycle 1 positions:

[0, 4, 1, 3, 8, 7]

Start at pos 0: P1[0]=1, P2[0]=5
Find 5 in P1: position 4
At pos 4: P1[4]=5, P2[4]=2
Find 2 in P1: position 1
At pos 1: P1[1]=2, P2[1]=4
Find 4 in P1: position 3

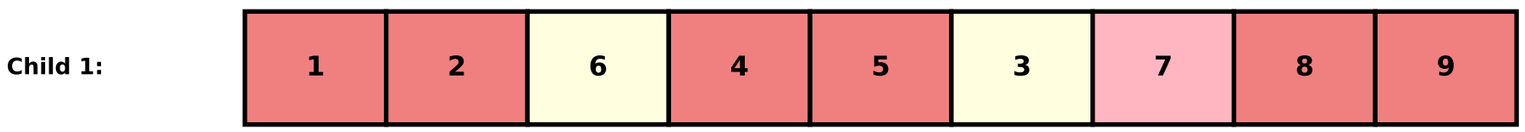
Step 3: Identify All Cycles



All Cycles:

- Cycle 1: [0, 4, 1, 3, 8, 7]
- Cycle 2: [2, 5]
- Cycle 3: [6]

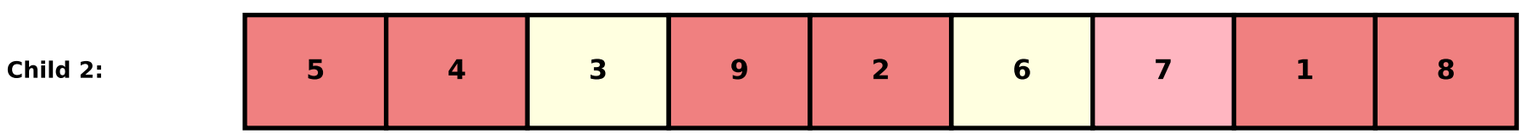
Step 4: Create Child 1 (Alternate cycles: C1 from P1, C2 from P2, etc.)



Source for each cycle:

Cycle 1: from Parent 1
Cycle 2: from Parent 2
Cycle 3: from Parent 1

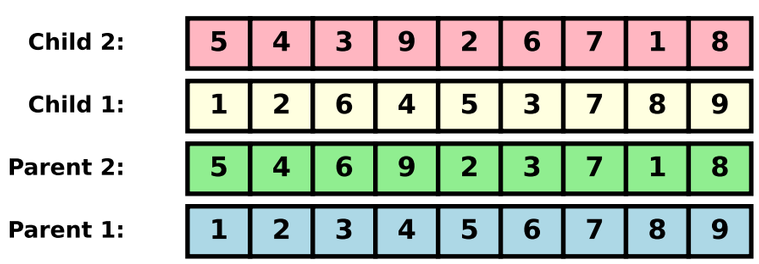
Step 5: Create Child 2 (Alternate cycles: C1 from P2, C2 from P1, etc.)



Source for each cycle:

Cycle 1: from Parent 2
Cycle 2: from Parent 1
Cycle 3: from Parent 2

Step 6: Final Result Comparison



Validation:
Child 1: ✓ Valid
Child 2: ✓ Valid

Key Property:
Each element maintains its position from one parent