

Parent 1

1011010|010100110

Parent 2

0011010|110110101

1011010|110110101

A diagram illustrating a genetic crossover operation. Two binary strings, "Parent 1" and "Parent 2", are shown at the top. Parent 1 is 1011010|010100110 and Parent 2 is 0011010|110110101. A horizontal dashed line with arrows at both ends connects the two parents. From the midpoint of this line, a vertical dashed line with a downward-pointing arrow descends to the middle of a third binary string, "Child 1". Child 1 is 1011010|110110101. The first 10 bits of Child 1 are identical to Parent 1, and the last 11 bits are identical to Parent 2. Below Child 1 is the label "Child 1".

Child 1

0011010|010100110

A diagram illustrating a genetic crossover operation. Two binary strings, "Parent 1" and "Parent 2", are shown at the top. Parent 1 is 1011010|010100110 and Parent 2 is 0011010|110110101. A horizontal dashed line with arrows at both ends connects the two parents. From the midpoint of this line, a vertical dashed line with a downward-pointing arrow descends to the middle of a third binary string, "Child 2". Child 2 is 0011010|010100110. The first 10 bits of Child 2 are identical to Parent 2, and the last 11 bits are identical to Parent 1. Below Child 2 is the label "Child 2".

Child 2