

Order Crossover

Show the result of ordered crossover of these sets of parents. The crossover section of P1 is bold and underlined!

1.

P1: J**KDOG**FIHORPLENCBMTSA

P2: LFCKBREADSHQIJONMGPT

2.

P1: **ARCBJLQHPSMGNI**TDOFKE

P2: OBFLEQAGPKNCIRHTDJSM

3.

P1: ACNKEJLQM**GHSO**FPRBIDT

P2: ATDIEFHSMNJKGRPOBCLQ

4.

P1: ODSFITLMPG**BEQKA**CNRHJ

P2: RCGMEOHBKJTIQLSNPAFD

5.

P1: **AGQDJILHRTCKSNO**FPEMB

P2: RMCGBENOHPKFTLQIJDSA

6.

P1: MBDRQJSFOCEAHNKPIGLT

P2: LMDQENOHGJFTSAKIPRBC

7.

P1: HMGDORTJSKQLANEPBFIC

P2: SLDETBGKHNAACMJROPFQI

8.

P1: TBHDPENAFLKOJCGQIRSM

P2: FPSEBCJRILKQAOGTMHND

9.

P1: LKESIAQRTMOBCHNJPDFG

P2: ATQPMONERSHGJLFDKCIB

10.

P1: CSHDARMTJEKQLNPFBGIO

P2: HKJPEFIOGMDQSTCBNRAL

Partially Mapped Crossover

Complete partially mapped crossover on the following parents. The subsequence is bold and underlined!

1.

P1: MBPIESHGRJF**ALD**TNQOCK

P2: BNTJERSQMHGIPODCKFAL

2.

P1: PEQAJGLHFDC**MNTI**BSRKO

P2: JTGHS DCKIRAOQLFPNEMB

3.

P1: JBCR**GD****TASIKHN**POQLFME

P2: DENKIHJFLGSTCOQPAMBR

4.

P1: **AC****PRTNJBEGKIOFQHMD**LS

P2: NBIEKRPDLMTFJGQHOASC

5.

P1: HTPKLMGF**NJBIREDOCA**QS

P2: ANSKCOFIBPGHTRJMQQLDE

6.

P1: SKTHBAGDIOJCMQNLFRPE

P2: APBMKJDSITQLEHORFCNG

7.

P1: PIEJTOKHFGALQNDCMRBS

P2: AKCDMSILBJPTGOFNHREQ

8.

P1: FCIMEAOPGTBDRNHJQLKS

P2: CJMTAHGNFDRPEQIOLKSB

9.

P1: LCONPADHMJQFKGISERBT

P2: KBQMEJIHFGLPNCODTRAS

10.

P1: TCLIGAESHMPBFNOKDRQJ

P2: RATCILQSFJKEOMHPNDGB

Cycle Crossover

Complete cycle crossover on the following parents!

1.

P1: MBPIESHGRJFALDTNQOCK

P2: BNTJERSQMHGIPODCKFAL

2.

P1: PEQAJGLHFDCMNTIBSRKO

P2: JTGHS DCKIRAOQLFPNEMB

3.

P1: JBCRGDTASIKHNPOQLFME

P2: DENKIHJFLGSTCOQPAMBR

4.

P1: ACPRTNJBEGKIOFQHMDLS

P2: NBIEKRPDLMTFJGQHOASC

5.

P1: HTPKLMGFNJBIREDOCAQS

P2: ANSKCOFIBPGHTRJMQ LDE

6.

P1: MBDRQJSFOCEAHNKPIGLT

P2: LMDQENOHGJFTSAKIPRBC

7.

P1: HMGDORTJSKQLANEPBFIC

P2: SLDETBGKHNAJCMJROPFQI

8.

P1: TBHDPENAFKLOJCGQIRSM

P2: FPSEBCJRILKQAOGTMHND

9.

P1: LKESIAQRTMOBCHNJPDFG

P2: ATQPMONERSHGJLFDKCIB

10.

P1: CSHDARMTJEKQLNPFBGIO

P2: HKJPEFIOGMDQSTCBNRAL