

Appendix I—Contour-Route Classes

①→①

Minimum Edit=0; CT_{SIM}=0

Route

CR [1-1]-1 ①→①

①→②

Minimum Edit=1; CT_{SIM}=1

Route

CR [1-2]-1 ①→②

①→③

Minimum Edit=2; CT_{SIM}=2

Route

CR [1-3]-1 ①→②→③

①→④

Minimum Edit=1; CT_{SIM}=1

Route

CR [1-4]-1 ①→④

①→⑤

Minimum Edit=2; CT_{SIM}=2

Routes

CR [1-5]-1 ①→②→⑤

CR [1-5]-2 ①→④→⑤

①→⑥

Minimum Edit=3; CT_{SIM}=3

Routes

CR [1-6]-1 ①→②→③→⑥

CR [1-6]-2 ①→②→⑤→⑥

CR [1-6]-3 ①→④→⑤→⑥

①→⑦

Minimum Edit=1; CT_{SIM}=1

Route

CR [1-7]-1 ①→⑦

①→⑧

Minimum Edit=2; CT_{SIM}=2

Routes

CR [1-8]-1 ①→②→⑧

CR [1-8]-2 ①→⑦→⑧

①→⑨

Minimum Edit=3; CT_{SIM}=3

Routes

CR [1-9]-1 ①→②→③→⑨

CR [1-9]-2 ①→②→⑧→⑨

CR [1-9]-3 ①→⑦→⑧→⑨

①→⑩

Minimum Edit=2; CT_{SIM}=2

Routes

CR [1-10]-1 ①→④→⑩

CR [1-10]-2 ①→⑦→⑩

①→⑪

Minimum Edit=3; CT_{SIM}=3

Routes

CR [1-11]-1 ①→②→⑤→⑪

CR [1-11]-2 ①→②→⑧→⑪

CR [1-11]-3 ①→④→⑤→⑪

CR [1-11]-4 ①→④→⑩→⑪

CR [1-11]-5 ①→⑦→⑧→⑪

CR [1-11]-6 ①→⑦→⑩→⑪

①→⑫

Minimum Edit=4; CT_{SIM}=4

Routes

CR [1-12]-1 ①→②→③→⑥→⑫

CR [1-12]-2 ①→②→③→⑨→⑫

CR [1-12]-3 ①→②→⑤→⑥→⑫

CR [1-12]-4 ①→②→⑤→⑩→⑫

CR [1-12]-5 ①→②→⑧→⑨→⑫

CR [1-12]-6 ①→②→⑧→⑩→⑫

CR [1-12]-7 ①→④→⑤→⑥→⑫

CR [1-12]-8 ①→④→⑤→⑩→⑫

CR [1-12]-9 ①→④→⑩→⑩→⑫

CR [1-12]-10 ①→⑦→⑧→⑨→⑫

CR [1-12]-11 ①→⑦→⑧→⑩→⑫

CR [1-12]-12 ①→⑦→⑩→⑩→⑫

①→⑬

Minimum Edit=2; CT_{SIM}=2

Routes

CR [1-13]-1 ①→④→⑬

CR [1-13]-2 ①→⑦→⑬

①→⑭

Minimum Edit=3; CT_{SIM}=3

Routes

CR [1-14]-1 ①→②→⑤→⑭

CR [1-14]-2 ①→②→⑧→⑭

CR [1-14]-3 ①→④→⑤→⑭

CR [1-14]-4 ①→④→⑩→⑭

CR [1-14]-5 ①→⑦→⑧→⑭

CR [1-14]-6 ①→⑦→⑩→⑭

①→⑮

Minimum Edit=4; CT_{SIM}=4

Routes

CR [1-15]-1 ①→②→③→⑥→⑮

CR [1-15]-2 ①→②→③→⑨→⑮

CR [1-15]-3 ①→②→⑤→⑥→⑮

CR [1-15]-4 ①→②→⑤→⑩→⑮

CR [1-15]-5 ①→②→⑧→⑨→⑮

CR [1-15]-6 ①→②→⑧→⑩→⑮

CR [1-15]-7 ①→④→⑤→⑥→⑮

CR [1-15]-8 ①→④→⑤→⑩→⑮

CR [1-15]-9 ①→④→⑩→⑩→⑮

CR [1-15]-10 ①→⑦→⑧→⑨→⑮

CR [1-15]-11 ①→⑦→⑧→⑩→⑮

CR [1-15]-12 ①→⑦→⑩→⑩→⑮

②→②

Minimum Edit=0; CT_{SIM}=0

Route

CR [2-2]-1 ②→②

②→③

Minimum Edit=0; CT_{SIM}=0

Route

CR [2-3]-1 ②→③

②→④

Minimum Edit=2; CT_{SIM}=2

Routes

CR [2-4]-1 ②→①→④

CR [2-4]-2 ②→⑤→④

Appendix I—Contour-Route Classes

②→⑤

Minimum Edit=1; $CT_{SIM}=1$

Route

CR [2-5]-1 ②→⑤

②→⑥

Minimum Edit=2; $CT_{SIM}=2$

Routes

CR [2-6]-1 ②→③→⑥

CR [2-6]-2 ②→⑤→④

②→⑦

Minimum Edit=2; $CT_{SIM}=2$

Routes

CR [2-7]-1 ②→①→⑦

CR [2-7]-2 ②→⑧→⑦

②→⑧

Minimum Edit=1; $CT_{SIM}=1$

Route

CR [2-8]-1 ②→⑧

②→⑨

Minimum Edit=2; $CT_{SIM}=2$

Routes

CR [2-9]-1 ②→③→⑨

CR [2-9]-2 ②→⑧→⑨

②→⑩

Minimum Edit=3; $CT_{SIM}=3$

Routes

CR [2-10]-1 ②→①→④→⑩

CR [2-10]-2 ②→①→⑦→⑩

CR [2-10]-3 ②→⑤→④→⑩

CR [2-10]-4 ②→⑤→⑪→⑩

CR [2-10]-5 ②→⑧→⑦→⑩

CR [2-10]-6 ②→⑧→⑪→⑩

②→⑪

Minimum Edit=2; $CT_{SIM}=2$

Routes

CR [2-11]-1 ②→⑤→⑪

CR [2-11]-2 ②→⑧→⑪

②→⑫

Minimum Edit=3; $CT_{SIM}=3$

Routes

CR [2-12]-1 ②→③→⑥→⑫

CR [2-12]-2 ②→③→⑨→⑫

CR [2-12]-3 ②→⑤→⑥→⑫

CR [2-12]-4 ②→⑤→⑪→⑫

CR [2-12]-5 ②→⑧→⑨→⑫

CR [2-12]-6 ②→⑧→⑪→⑫

②→⑬

Minimum Edit=3; $CT_{SIM}=3$

Routes

CR [2-13]-1 ②→①→④→⑬

CR [2-13]-2 ②→①→⑦→⑬

CR [2-13]-3 ②→⑤→④→⑬

CR [2-13]-4 ②→⑤→⑭→⑬

CR [2-13]-5 ②→⑧→⑦→⑬

CR [2-13]-6 ②→⑧→⑭→⑬

②→⑭

Minimum Edit=2; $CT_{SIM}=2$

Routes

CR [2-14]-1 ②→⑤→⑭

CR [2-14]-2 ②→⑧→⑭

②→⑮

Minimum Edit=3; $CT_{SIM}=3$

Routes

CR [2-15]-1 ②→③→⑥→⑮

CR [2-15]-2 ②→③→⑨→⑮

CR [2-15]-3 ②→⑤→⑥→⑮

CR [2-15]-4 ②→⑤→⑭→⑮

CR [2-15]-5 ②→⑧→⑨→⑮

CR [2-15]-6 ②→⑧→⑭→⑮

③→③

Minimum Edit=0; $CT_{SIM}=0$

Route

CR [3-3]-1 ③→③

③→④

Minimum Edit=3; $CT_{SIM}=3$

Routes

CR [3-4]-1 ③→②→①→④

CR [3-4]-2 ③→②→⑤→④

CR [3-4]-3 ③→⑥→⑤→④

③→⑤

Minimum Edit=2; $CT_{SIM}=2$

Routes

CR [3-5]-1 ③→②→⑤

CR [3-5]-2 ③→⑥→⑤

③→⑥

Minimum Edit=1; $CT_{SIM}=1$

Route

CR [3-6]-1 ③→⑥

③→⑦

Minimum Edit=3; $CT_{SIM}=3$

Routes

CR [3-7]-1 ③→②→①→⑦

CR [3-7]-2 ③→②→⑧→⑦

CR [3-7]-3 ③→⑨→⑧→⑦

③→⑧

Minimum Edit=2; $CT_{SIM}=2$

Routes

CR [3-8]-1 ③→②→⑧

CR [3-8]-2 ③→⑨→⑧

③→⑨

Minimum Edit=1; $CT_{SIM}=1$

Route

CR [3-9]-1 ③→⑨

③→⑩

Minimum Edit=4; $CT_{SIM}=4$

Routes

CR [3-10]-1 ③→②→①→④→⑩

CR [3-10]-2 ③→②→①→⑦→⑩

CR [3-10]-3 ③→②→⑤→④→⑩

CR [3-10]-4 ③→②→⑤→⑪→⑩

Appendix I—Contour-Route Classes

CR [3-10]-5 ③→②→⑧→⑦→⑩
 CR [3-10]-6 ③→②→⑧→⑪→⑩
 CR [3-10]-7 ③→⑥→⑤→④→⑩
 CR [3-10]-8 ③→⑥→⑤→⑪→⑩
 CR [3-10]-9 ③→⑥→⑫→⑪→⑩
 CR [3-10]-10 ③→⑨→⑧→⑦→⑩
 CR [3-10]-11 ③→⑨→⑧→⑪→⑩
 CR [3-10]-12 ③→⑨→⑫→⑪→⑩

③→⑪

Minimum Edit=3; CT_{SIM}=3

Routes

CR [3-11]-1 ③→②→⑤→⑪
 CR [3-11]-2 ③→②→⑧→⑪
 CR [3-11]-3 ③→⑥→⑤→⑪
 CR [3-11]-4 ③→⑥→⑫→⑪
 CR [3-11]-5 ③→⑨→⑧→⑪
 CR [3-11]-6 ③→⑨→⑫→⑪

③→⑫

Minimum Edit=2; CT_{SIM}=2

Routes

CR [3-12]-1 ③→⑥→⑫
 CR [3-12]-2 ③→⑨→⑫

③→⑬

Minimum Edit=4; CT_{SIM}=4

Routes

CR [3-13]-1 ③→②→①→④→⑬
 CR [3-13]-2 ③→②→①→⑦→⑬
 CR [3-13]-3 ③→②→⑤→④→⑬
 CR [3-13]-4 ③→②→⑤→⑭→⑬
 CR [3-13]-5 ③→②→⑧→⑦→⑬
 CR [3-13]-6 ③→②→⑧→⑭→⑬
 CR [3-13]-7 ③→⑥→⑤→④→⑬
 CR [3-13]-8 ③→⑥→⑤→⑭→⑬
 CR [3-13]-9 ③→⑥→⑮→⑭→⑬
 CR [3-13]-10 ③→⑨→⑧→⑦→⑬
 CR [3-13]-11 ③→⑨→⑧→⑭→⑬
 CR [3-13]-12 ③→⑨→⑮→⑭→⑬

③→⑭

Minimum Edit=3; CT_{SIM}=3

Routes

CR [3-14]-1 ③→②→⑤→⑭
 CR [3-14]-2 ③→②→⑧→⑭
 CR [3-14]-3 ③→⑥→⑤→⑭
 CR [3-14]-4 ③→⑥→⑮→⑭
 CR [3-14]-5 ③→⑨→⑧→⑭
 CR [3-14]-6 ③→⑨→⑮→⑭

③→⑮

Minimum Edit=2; CT_{SIM}=2

Routes

CR [3-15]-1 ③→⑥→⑮
 CR [3-15]-2 ③→⑨→⑮

④→④

Minimum Edit=0; CT_{SIM}=0

Route

CR [4-4]-1 ④→④

④→⑤

Minimum Edit=1; CT_{SIM}=1

Route

CR [4-5]-1 ④→⑤

④→⑥

Minimum Edit=2; CT_{SIM}=2

Route

CR [4-6]-1 ④→⑤→⑥

④→⑦

Minimum Edit=1; CT_{SIM}=1

Route

CR [4-7]-1 ④→⑦

④→⑧

Minimum Edit=2; CT_{SIM}=2

Route

CR [4-8]-1 ④→⑤→⑧
 CR [4-8]-2 ④→⑦→⑧

④→⑨

Minimum Edit=3; CT_{SIM}=3

Routes

CR [4-9]-1 ④→⑤→⑥→⑨
 CR [4-9]-2 ④→⑤→⑧→⑨
 CR [4-9]-3 ④→⑦→⑧→⑨

④→⑩

Minimum Edit=1; CT_{SIM}=1

Route

CR [4-10]-1 ④→⑩

④→⑪

Minimum Edit=2; CT_{SIM}=2

Routes

CR [4-10]-1 ④→⑤→⑪
 CR [4-10]-2 ④→⑩→⑪

④→⑫

Minimum Edit=3; CT_{SIM}=3

Routes

CR [4-12]-1 ④→⑤→⑥→⑫
 CR [4-12]-2 ④→⑤→⑪→⑫
 CR [4-12]-3 ④→⑩→⑪→⑫

④→⑬

Minimum Edit=1; CT_{SIM}=1

Route

CR [4-13]-1 ④→⑬

④→⑭

Minimum Edit=2; CT_{SIM}=2

Routes

CR [4-14]-1 ④→⑤→⑭
 CR [4-14]-2 ④→⑬→⑭

④→⑮

Minimum Edit=3; CT_{SIM}=3

Routes

CR [4-15]-1 ④→⑤→⑥→⑮
 CR [4-15]-2 ④→⑤→⑭→⑮
 CR [4-15]-3 ④→⑬→⑭→⑮

Appendix I—Contour-Route Classes

⑤→⑤

Minimum Edit=0; $CT_{SIM}=0$

Route

CR [5-5]-1 ⑤→⑤

⑤→⑥

Minimum Edit=1; $CT_{SIM}=1$

Route

CR [5-6]-1 ⑤→⑥

⑤→⑦

Minimum Edit=2; $CT_{SIM}=2$

Routes

CR [5-7]-1 ⑤→④→⑦

CR [5-7]-2 ⑤→⑧→⑦

⑤→⑧

Minimum Edit=1; $CT_{SIM}=1$

Route

CR [5-8]-1 ⑤→⑧

⑤→⑨

Minimum Edit=2; $CT_{SIM}=2$

Routes

CR [5-9]-1 ⑤→⑥→⑨

CR [5-9]-2 ⑤→⑧→⑨

⑤→⑩

Minimum Edit=2; $CT_{SIM}=2$

Routes

CR [5-10]-1 ⑤→④→⑩

CR [5-10]-2 ⑤→⑪→⑩

⑤→⑪

Minimum Edit=1; $CT_{SIM}=1$

Route

CR [5-11]-1 ⑤→⑪

⑤→⑫

Minimum Edit=2; $CT_{SIM}=2$

Routes

CR [5-12]-1 ⑤→⑥→⑫

CR [5-12]-2 ⑤→⑪→⑫

⑤→⑬

Minimum Edit=2; $CT_{SIM}=2$

Routes

CR [5-13]-1 ⑤→④→⑬

CR [5-13]-2 ⑤→⑭→⑬

⑤→⑭

Minimum Edit=1; $CT_{SIM}=1$

Route

CR [5-14]-1 ⑤→⑭

⑤→⑮

Minimum Edit=2; $CT_{SIM}=2$

Routes

CR [5-15]-1 ⑤→⑥→⑮

CR [5-15]-2 ⑤→⑭→⑮

⑥→⑥

Minimum Edit=0; $CT_{SIM}=0$

Route

CR [6-6]-1 ⑥→⑥

⑥→⑦

Minimum Edit=3; $CT_{SIM}=3$

Routes

CR [6-7]-1 ⑥→⑤→④→⑦

CR [6-7]-2 ⑥→⑤→⑧→⑦

CR [6-7]-3 ⑥→⑨→⑧→⑦

⑥→⑧

Minimum Edit=2; $CT_{SIM}=2$

Routes

CR [6-8]-1 ⑥→⑤→⑧

CR [6-8]-2 ⑥→⑨→⑧

⑥→⑨

Minimum Edit=1; $CT_{SIM}=1$

Route

CR [6-9]-1 ⑥→⑨

⑥→⑩

Minimum Edit=3; $CT_{SIM}=3$

Routes

CR [6-10]-1 ⑥→⑤→④→⑩

CR [6-10]-2 ⑥→⑤→⑪→⑩

CR [6-10]-3 ⑥→⑫→⑪→⑩

⑥→⑪

Minimum Edit=2; $CT_{SIM}=2$

Routes

CR [6-11]-1 ⑥→⑤→⑪

CR [6-11]-2 ⑥→⑫→⑪

⑥→⑫

Minimum Edit=1; $CT_{SIM}=1$

Route

CR [6-13]-1 ⑥→⑫

⑥→⑬

Minimum Edit=3; $CT_{SIM}=3$

Routes

CR [6-13]-1 ⑥→⑤→④→⑬

CR [6-13]-2 ⑥→⑤→⑭→⑬

CR [6-13]-3 ⑥→⑮→⑭→⑬

⑥→⑭

Minimum Edit=2; $CT_{SIM}=2$

Routes

CR [6-14]-1 ⑥→⑤→⑭

CR [6-14]-2 ⑥→⑮→⑭

⑥→⑮

Minimum Edit=1; $CT_{SIM}=1$

Route

CR [6-15]-1 ⑥→⑮

⑦→⑦

Minimum Edit=0; $CT_{SIM}=0$

Route

CR [7-7]-1 ⑦→⑦

⑦→⑧

Minimum Edit=1; $CT_{SIM}=1$

Route

CR [7-8]-1 ⑦→⑧

Appendix I—Contour-Route Classes

⑦→⑨

Minimum Edit=1; CT_{SIM}=1

Route

CR [7-9]-1 ⑦→⑧→⑨

⑧→⑧

Minimum Edit=0; CT_{SIM}=0

Route

CR [8-8]-1 ⑧→⑧

⑨→⑨

Minimum Edit=0; CT_{SIM}=0

Route

CR [9-9]-1 ⑨→⑨

⑦→⑩

Minimum Edit=1; CT_{SIM}=1

Route

CR [7-10]-1 ⑦→⑩

⑧→⑨

Minimum Edit=1; CT_{SIM}=1

Route

CR [8-9]-1 ⑧→⑨

⑨→⑩

Minimum Edit=3; CT_{SIM}=3

Routes

CR [9-10]-1 ⑨→⑧→⑦→⑩

CR [9-10]-2 ⑨→⑧→⑪→⑩

CR [9-10]-3 ⑨→⑫→⑪→⑩

⑦→⑪

Minimum Edit=2; CT_{SIM}=2

Routes

CR [7-11]-1 ⑦→⑧→⑪

CR [7-11]-2 ⑦→⑩→⑪

⑧→⑩

Minimum Edit=2; CT_{SIM}=2

Routes

CR [8-10]-1 ⑧→⑦→⑩

CR [8-10]-2 ⑧→⑪→⑩

⑨→⑪

Minimum Edit=2; CT_{SIM}=2

Routes

CR [9-11]-1 ⑨→⑧→⑪

CR [9-11]-2 ⑨→⑫→⑪

⑦→⑫

Minimum Edit=3; CT_{SIM}=3

Routes

CR [7-12]-1 ⑦→⑧→⑨→⑫

CR [7-12]-2 ⑦→⑧→⑪→⑫

CR [7-12]-3 ⑦→⑩→⑪→⑫

⑧→⑪

Minimum Edit=1; CT_{SIM}=1

Route

CR [8-11]-1 ⑧→⑪

⑧→⑫

Minimum Edit=2; CT_{SIM}=2

Routs

CR [8-12]-1 ⑧→⑨→⑫

CR [8-12]-2 ⑧→⑪→⑫

⑨→⑫

Minimum Edit=1; CT_{SIM}=1

Route

CR [9-12]-1 ⑨→⑫

⑦→⑬

Minimum Edit=1; CT_{SIM}=1

Route

CR [7-13]-1 ⑦→⑬

⑧→⑬

Minimum Edit=2; CT_{SIM}=2

Routes

CR [8-13]-1 ⑧→⑦→⑬

CR [8-13]-2 ⑧→⑭→⑬

⑨→⑬

Minimum Edit=3; CT_{SIM}=3

Routes

CR [9-13]-1 ⑨→⑧→⑦→⑬

CR [9-13]-2 ⑨→⑧→⑭→⑬

CR [9-13]-3 ⑨→⑮→⑭→⑬

⑦→⑭

Minimum Edit=2; CT_{SIM}=2

Routes

CR [7-14]-1 ⑦→⑧→⑭

CR [7-14]-2 ⑦→⑬→⑭

⑧→⑭

Minimum Edit=1; CT_{SIM}=1

Route

CR [8-14]-1 ⑧→⑭

⑨→⑭

Minimum Edit=2; CT_{SIM}=2

Routs

CR [9-14]-1 ⑨→⑧→⑭

CR [9-14]-2 ⑨→⑮→⑭

⑦→⑮

Minimum Edit=3; CT_{SIM}=3

Routes

CR [7-15]-1 ⑦→⑧→⑭→⑮

CR [7-15]-2 ⑦→⑧→⑨→⑮

CR [7-15]-3 ⑦→⑬→⑭→⑮

⑧→⑮

Minimum Edit=2; CT_{SIM}=2

Routs

CR [8-15]-1 ⑧→⑨→⑮

CR [8-15]-2 ⑧→⑭→⑮

⑨→⑮

Minimum Edit=1; CT_{SIM}=1

Route

CR [9-15]-1 ⑨→⑮

Appendix I—Contour-Route Classes

⑩→⑩

Minimum Edit=0; CT_{SIM}=0

Route

CR [10-10]-1 ⑩→⑩

⑩→⑪

Minimum Edit=1; CT_{SIM}=1

Route

CR [10-11]-1 ⑩→⑪

⑩→⑫

Minimum Edit=2; CT_{SIM}=2

Route

CR [10-12]-1 ⑩→⑪→⑫

⑩→⑬

Minimum Edit=2; CT_{SIM}=2

Route

CR [10-13]-1 ⑩→④→⑬

CR [10-13]-2 ⑩→⑦→⑬

⑩→⑭

Minimum Edit=3; CT_{SIM}=3

Routes

CR [10-14]-1 ⑩→④→⑤→⑭

CR [10-14]-2 ⑩→④→⑬→⑭

CR [10-14]-3 ⑩→⑦→⑧→⑭

CR [10-14]-4 ⑩→⑦→⑬→⑭

CR [10-14]-5 ⑩→⑪→⑤→⑭

CR [10-14]-6 ⑩→⑪→⑧→⑭

⑩→⑮

Minimum Edit=4; CT_{SIM}=4

Routes

CR [10-15]-1 ⑩→④→⑤→⑥→⑮

CR [10-15]-2 ⑩→④→⑤→⑭→⑮

CR [10-15]-3 ⑩→④→⑬→⑭→⑮

CR [10-15]-4 ⑩→⑦→⑧→⑨→⑮

CR [10-15]-5 ⑩→⑦→⑧→⑭→⑮

CR [10-15]-6 ⑩→⑦→⑬→⑭→⑮

CR [10-15]-7 ⑩→⑪→⑤→⑥→⑮

CR [10-15]-8 ⑩→⑪→⑧→⑨→⑮

CR [10-15]-9 ⑩→⑪→⑧→⑭→⑮

CR [10-15]-10 ⑩→⑪→⑫→⑥→⑮

CR [10-15]-11 ⑩→⑪→⑫→⑨→⑮

CR [10-15]-12 ⑩→⑪→⑮→⑭→⑮

⑪→⑪

Minimum Edit=0; CT_{SIM}=0

Route

CR [11-11]-1 ⑪→⑪

⑪→⑫

Minimum Edit=1; CT_{SIM}=1

Route

CR [11-12]-1 ⑪→⑫

⑪→⑬

Minimum Edit=3; CT_{SIM}=3

Routes

CR [11-13]-1 ⑪→⑤→④→⑬

CR [11-13]-2 ⑪→⑤→④→⑬

CR [11-13]-3 ⑪→⑧→⑦→⑬

CR [11-13]-4 ⑪→⑧→⑭→⑬

CR [11-13]-5 ⑪→⑩→④→⑬

CR [11-13]-6 ⑪→⑩→⑦→⑬

⑪→⑭

Minimum Edit=2; CT_{SIM}=2

Routes

CR [11-14]-1 ⑪→⑧→⑭

CR [11-14]-2 ⑪→⑤→⑭

⑪→⑮

Minimum Edit=3; CT_{SIM}=3

Routes

CR [11-15]-1 ⑪→⑤→⑥→⑮

CR [11-15]-2 ⑪→⑤→⑭→⑮

CR [11-15]-3 ⑪→⑧→⑨→⑮

CR [11-15]-4 ⑪→⑧→⑭→⑮

CR [11-15]-5 ⑪→⑫→⑥→⑮

CR [11-15]-6 ⑪→⑫→⑨→⑮

⑫→⑫

Minimum Edit=0; CT_{SIM}=0

Route

CR [12-12]-1 ⑫→⑫

⑫→⑬

Minimum Edit=4; CT_{SIM}=4

Routes

CR [12-13]-1 ⑫→⑥→⑤→④→⑬

CR [12-13]-2 ⑫→⑥→⑤→⑭→⑬

CR [12-13]-3 ⑫→⑥→⑮→⑭→⑬

CR [12-13]-4 ⑫→⑨→⑧→⑦→⑬

CR [12-13]-5 ⑫→⑨→⑧→⑭→⑬

CR [12-13]-6 ⑫→⑨→⑮→⑭→⑬

CR [12-13]-7 ⑫→⑪→⑤→④→⑬

CR [12-13]-8 ⑫→⑪→⑤→⑭→⑬

CR [12-13]-9 ⑫→⑪→⑧→⑦→⑬

CR [12-13]-10 ⑫→⑪→⑧→⑭→⑬

CR [12-13]-11 ⑫→⑪→⑩→④→⑬

CR [12-13]-12 ⑫→⑪→⑩→⑦→⑬

⑫→⑭

Minimum Edit=3; CT_{SIM}=3

Routes

CR [12-14]-1 ⑫→⑥→⑤→⑭

CR [12-14]-2 ⑫→⑥→⑮→⑭

CR [12-14]-3 ⑫→⑨→⑧→⑭

CR [12-14]-4 ⑫→⑨→⑮→⑭

CR [12-14]-5 ⑫→⑪→⑧→⑭

CR [12-14]-6 ⑫→⑪→⑤→⑭

⑫→⑮

Minimum Edit=2; CT_{SIM}=2

Routes

CR [12-15]-1 ⑫→⑥→⑮

CR [12-15]-2 ⑫→⑨→⑮

⑬→⑬

Minimum Edit=0; CT_{SIM}=0

Route

CR [13-13]-1 ⑬→⑬

Appendix I—Contour-Route Classes

⑬→⑭

Minimum Edit=1; CT_{SIM}=1

Route

CR [13-14]-1 ⑬→⑭

⑬→⑮

Minimum Edit=2; CT_{SIM}=2

Route

CR [13-15]-1 ⑬→⑭→⑮

⑭→⑭

Minimum Edit=0; CT_{SIM}=0

Route

CR [14-14]-1 ⑭→⑭

⑭→⑮

Minimum Edit=1; CT_{SIM}=1

Route

CR [14-15]-1 ⑭→⑮

⑮→⑮

Minimum Edit=1; CT_{SIM}=1

Route

CR [15-15]-1 ⑮→⑮