**Best Results for passengers and operator Mandl 4 routes, CEC2013 paper**

%Best Routeset for passengers 4 Routes

routeset(1).route = [1 2 3 6 8 10 11 13];

routeset(2).route = [9 15 6 4 12 11 13 14];

routeset(3).route = [14 10 7 15 6 4 2 1];

routeset(4).route = [12 11 10 8 6 4 5 2];

%Best routeset for operator 4 routes

routeset(1).route = [9 15];

routeset(2).route = [1 2 4 5];

routeset(3).route = [11 10 7 15 8 6 3 2];

routeset(4).route = [14 13 11 12];

**Best Results for passengers and operator Mandl 6 routes**

%Best Routeset for passengers Mandl 6 routes

routeset(1).route = [1 2 3 6 15 7 10 11];

routeset(2).route = [12 11 13 14 10 7 15 9];

routeset(3).route = [1 2 5 4 6 8 10 11];

routeset(4).route = [1 2 3 6 8 10 13 11];

routeset(5).route = [1 2 4 12 11 10 14 13];

routeset(6).route = [1 2 5 4 6 8 15 7];

%Best routeset for operator Mandl 6 routes

routeset(1).route = [10 11 13];

routeset(2).route = [1 2 3 6 8 15 7 10];

routeset(3).route = [5 4 2];

routeset(4).route = [14 13];

routeset(5).route = [12 11];

routeset(6).route = [9 15];

**Best Results for passengers and operator Mandl 7 routes**

%Best Routeset for passengers Mandl 7 routes

routeset(1).route = [1 2 5 4 12 11 10 13];

routeset(2).route = [9 15 7 10 14 13 11 12];

routeset(3).route = [3 2 5 4 6 8 10 14];

routeset(4).route = [8 10 11 12 4 2 3 6];

routeset(5).route = [1 2 3 6 8 10 11 13];

routeset(6).route = [14 10 7 15 6 3 2 1];

routeset(7).route = [10 7 15 8 6 4 2 1];

%Best routeset for operator Mandl 7 routes

routeset(1).route = [12 11 13];

routeset(2).route = [14 13];

routeset(3).route = [5 4];

routeset(4).route = [11 10];

routeset(5).route = [10 7 15 8 6 3 2 1];

routeset(6).route = [4 2];

routeset(7).route = [9 15];

**Best Results for passengers and operator Mandl 8 routes**

%Best Routeset for passengers Mandl 8 routes

routeset(1).route = [1 2 3 6 15 7 10 13];

routeset(2).route = [9 15 8 6 3 2 5 4];

routeset(3).route = [15 7 10 14 13 11 12 4];

routeset(4).route = [1 2 4 6 8 15 7 10];

routeset(5).route = [13 11 10 8 6 3 2 1];

routeset(6).route = [1 2 5 4 12 11 13 14];

routeset(7).route = [11 13 14 10 8 6 4 5];

routeset(8).route = [9 15 7 10 11 12 4 5];

%Best routset for operator Mandl 8 routes

routeset(1).route = [12 11];

routeset(2).route = [5 4];

routeset(3).route = [13 14];

routeset(4).route = [9 15];

routeset(5).route = [1 2];

routeset(6).route = [11 13];

routeset(7).route = [2 4];

routeset(8).route = [11 10 7 15 8 6 3 2];