// -- -------------------------------------------------------------------------------------- --

WITH [

["Burggasse, Stadthalle",1150, "Landstraße","Wien", "Urban-Loritz-Platz",1070, "Neubau", "Wien", "6", 0.224, 55],

["Urban-Loritz-Platz",1070, "Neubau", "Wien", "Westbahnhof",1070, "Neubau", "Wien", "6", 0.516, 122],

["Westbahnhof",1070, "Neubau", "Wien", "Mariahilfer Gürtel",1060, "Mariahilf", "Wien", "6", 0.393, 118],

["Mariahilfer Gürtel",1060, "Mariahilf", "Wien", "Gumpendorfer Straße",1060, "Mariahilf", "Wien", "6", 0.261, 83],

["Gumpendorfer Straße",1060, "Mariahilf","Wien", "Margaretengürtel",1050, "Margareten", "Wien", "6", 0.422, 115],

["Margaretengürtel",1050, "Margareten", "Wien", "Arbeitergasse, Gürtel",1050, "Margareten", "Wien", "6", 0.516, 109],

["Arbeitergasse, Gürtel",1050, "Margareten", "Wien", "Eichenstraße",1050, "Margareten", "Wien", "6", 0.555, 114],

["Eichenstraße",1050, "Margareten", "Wien", "Matzleinsdorfer Platz",1050, "Margareten", "Wien", "6", 0.634, 121],

["Matzleinsdorfer Platz",1050, "Margareten", "Wien", "Knöllgasse",1100, "Favoriten", "Wien", "6", 0.432, 102],

["Knöllgasse",1100, "Favoriten","Wien","Bernhardtstalgasse",1100, "Favoriten","Wien","6", 0.5, 60],

["Bernhardtstalgasse",1100, "Favoriten","Wien","Neilreichgasse",1100, "Favoriten","Wien","6", 1.2, 120],

["Neilreichgasse",1100, "Favoriten","Wien","Leebg. Siccardsburgg",1100, "Favoriten","Wien","6", 1.4, 60],

["Neilreichgasse",1100, "Favoriten","Wien", "Quellenplatz",1100, "Favoriten","Wien","6", 1, 60],

["Quellenplatz",1100, "Favoriten","Wien", "Reumannplatz",1100, "Favoriten","Wien","6", 0.3, 60],

["Reumannplatz",1100, "Favoriten","Wien", "Gellertplatz",1100, "Favoriten","Wien","6", 0.5, 60],

["Gellertplatz",1100, "Favoriten","Wien", "Schrankenberggasse",1100, "Favoriten","Wien","6", 0.5, 120],

["Schrankenberggasse",1100, "Favoriten","Wien", "Absberggasse",1100, "Favoriten","Wien","6", 0.4, 60],

["Absberggasse",1100, "Favoriten","Wien", "Geiereckstraße",1100, "Favoriten","Wien","6", 0.4, 60]

] as data

UNWIND data as row

MERGE (s:Station {name: row[0], plz: row[1], district: row[2], state: row[3]})

MERGE (s1:Station {name: row[4], plz: row[5], district: row[6], state: row[7]})

MERGE (s)-[c:TRAMWAY {code: row[8], length: row[9], time: row[10]}]->(s1)-[c1:TRAMWAY {code: row[8], length: row[9], time: row[10]}]->(s);

// -- -------------------------------------------------------------------------------------- --

WITH [

["Dornbach", 17, "Hernals", "Wien", "Liebknechtgasse", 16, "Ottakring", "Wien", "10", 0.9, 60],

["Liebknechtgasse", 16, "Ottakring", "Wien", "Sandleitengasse", 16, "Ottakring", "Wien", "10", 2.5, 140],

["Sandleitengasse", 16, "Ottakring", "Wien", "Maroltingergasse", 16, "Ottakring", "Wien", "10", 3.2, 220],

["Maroltingergasse", 16, "Ottakring", "Wien", "Rankgasse", 16, "Ottakring", "Wien", "10", 1.0, 60],

["Rankgasse", 16, "Ottakring", "Wien", "Joachimsthalerplatz", 16, "Ottakring", "Wien", "10", 1.2, 70],

["Joachimsthalerplatz", 16, "Ottakring", "Wien", "Gutraterplatz", 16, "Ottakring", "Wien", "10", 3.1, 210],

["Gutraterplatz", 16, "Ottakring", "Wien", "Kendlergasse", 16, "Ottakring", "Wien", "10", 1.1, 60],

["Kendlergasse", 16, "Ottakring", "Wien", "Laurentiusplatz", 14, "Penzing", "Wien", "10", 1.2, 70],

["Laurentiusplatz", 14, "Penzing", "Wien", "Hütteldorfer Straße", 14, "Penzing","Wien", "10", 1.8, 125],

["Hütteldorfer Straße", 14, "Penzing", "Wien", "Märzstraße", 14, "Penzing","Wien", "10", 1.1, 70],

["Märzstraße", 14, "Penzing", "Wien", "Linzer Str. Reinig.", 14, "Penzing","Wien", "10", 2.0, 130],

["Linzer Str. Reinig.", 14, "Penzing", "Wien", "Johnstr. Linzer Straße", 14, "Penzing","Wien", "10", 1.5, 80],

["Johnstr. Linzer Straße", 14, "Penzing", "Wien", "Schloss Schönbrunn", 13, "Hietzing","Wien", "10", 3.0, 180],

["Schloss Schönbrunn", 13, "Hietzing", "Wien", "Hietzing", 13, "Hietzing","Wien", "10", 1.7, 120],

["Hietzing", 13, "Hietzing", "Wien", "Dommayergasse", 13, "Hietzing","Wien", "10", 2.2, 120],

["Dommayergasse", 13, "Hietzing","Wien", "Wenzgasse", 13, "Hietzing","Wien", "10", 1.3, 70],

["Wenzgasse", 13, "Hietzing","Wien", "Fichtnergasse", 13, "Hietzing","Wien", "10", 1.5, 80],

["Fichtnergasse", 13, "Hietzing","Wien", "Unter St. Veit, Verbindungsbahn", 13, "Hietzing", "Wien", "10", 2.1, 130],

["Unter St. Veit, Verbindungsbahn", 13, "Hietzing", "Wien", "Unter St. Veit, Hummelgasse", 13, "Hietzing", "Wien", "10", 1.1, 60]

] as data

UNWIND data as row

MERGE (s:Station {name: row[0], plz: row[1], district: row[2], state: row[3]})

MERGE (s1:Station {name: row[4], plz: row[5], district: row[6], state: row[7]})

MERGE (s)-[c:TRAMWAY {code: row[8], length: row[9], time: row[10]}]->(s1)-[c1:TRAMWAY {code: row[8], length: row[9], time: row[10]}]->(s);

// -- -------------------------------------------------------------------------------------- --

// -- IC 533 (Wien Hbf - Lienz in Osttirol)

// -- -------------------------------------------------------------------------------------- --

WITH [

["Wien Hauptbahnhof", 4, "Wieden", "Wien", "Wien Meidling", 12, "Meidling","Wien", "IC 533", 3, 240],

["Wien Meidling", 12, "Meidling","Wien", "Wiener Neustadt", 2700, "Wiener Neustadt","Niederösterreich", "IC 533", 52.5, 1500],

["Wiener Neustadt", 2700, "Wiener Neustadt","Niederösterreich", "Leoben", 8700, "Leoben","Steiermark", "IC 533", 108, 1860],

["Leoben", 8700, "Leoben","Steiermark", "Knittelfeld", 8720, "Murtal","Steiermark", "IC 533", 30, 1080],

["Knittelfeld", 8720, "Murtal","Steiermark", "Judenburg", 8750, "Murtal","Steiermark", "IC 533", 18, 720],

["Judenburg", 8750, "Murtal","Steiermark", "Unzmarkt", 8800, "Murtal","Steiermark", "IC 533", 17, 1080],

["Unzmarkt", 8800, "Murtal","Steiermark", "Friesach", 9360, "Sankt Veit an der Glan","Kärnten", "IC 533", 34, 1800],

["Friesach", 9360, "Sankt Veit an der Glan","Kärnten", "St. Veit/Glan", 9300, "Sankt Veit an der Glan","Kärnten", "IC 533", 33.7, 1440],

["St. Veit/Glan", 9300, "Sankt Veit an der Glan","Kärnten", "Klagenfurt", 9010, "Klagenfurt","Kärnten", "IC 533", 27.3, 720],

["Klagenfurt", 9010, "Klagenfurt","Kärnten", "Pörtschach/Wörther See", 9210, "Klagenfurt Land","Kärnten", "IC 533", 16.1, 480],

["Pörtschach/Wörther See", 9210, "Klagenfurt Land","Kärnten", "Villach", 9500, "Villach","Kärnten", "IC 533", 24.2, 840],

["Villach", 9500, "Villach","Kärnten", "Spittal-Millstätter See", 9800, "Spittal","Kärnten", "IC 533", 43.2, 1440],

["Spittal-Millstätter See", 9800, "Spittal","Kärnten", "Greifenburg-Weißensee", 9761, "Spittal","Kärnten", "IC 533", 34, 1200],

["Greifenburg-Weißensee", 9761, "Spittal","Kärnten", "Oberdrauburg", 9781, "Spittal","Kärnten", "IC 533", 19.6, 1140],

["Oberdrauburg", 9781, "Spittal","Kärnten", "Lienz in Osttirol", 9900, "Lienz","Tirol", "IC 533", 21.2, 660]

] as data

UNWIND data as row

MERGE (s:Station {name: row[0], plz: row[1], district: row[2], state: row[3]})

MERGE (s1:Station {name: row[4], plz: row[5], district: row[6], state: row[7]})

MERGE (s)-[c:EXPRESSWAY {code: row[8], length: row[9], time: row[10]}]->(s1)-[c1:EXPRESSWAY {code: row[8], length: row[9], time: row[10]}]->(s);

// -- -------------------------------------------------------------------------------------- --

// -- REGIONALEXPRESS: S 4

// -- -------------------------------------------------------------------------------------- --

WITH [

["Absdorf", 3430, "Tulln", "Niederösterreich", "Gaisruck b. Stockerau", 3464, "Korneuburg", "Niederösterreich", "S4", 7.4, 300],

["Gaisruck b. Stockerau", 3464, "Korneuburg", "Niederösterreich", "Hausleiten b. Stockerau", 3464, "Korneuburg", "Niederösterreich", "S4", 4.4, 180],

["Hausleiten b. Stockerau", 3464, "Korneuburg", "Niederösterreich", "Stockerau", 2000, "Korneuburg", "Niederösterreich", "S4", 9.6, 360],

["Stockerau", 2000, "Korneuburg", "Niederösterreich", "Spillern", 2104, "Korneuburg", "Niederösterreich", "S4", 4.7, 240],

["Spillern", 2104, "Korneuburg", "Niederösterreich", "Leobendorf-Burg Kreuzenstein", 2100, "Korneuburg", "Niederösterreich", "S4", 3.4, 180],

["Leobendorf-Burg Kreuzenstein",2100, "Korneuburg", "Niederösterreich", "Korneuburg", 2100, "Korneuburg", "Niederösterreich", "S4", 3.4, 120],

["Korneuburg", 2100, "Korneuburg", "Niederösterreich", "Bisamberg", 2201, "Korneuburg", "Niederösterreich", "S4", 2.9, 180],

["Bisamberg", 2201, "Korneuburg", "Niederösterreich", "Langenzersdorf", 2103, "Korneuburg", "Niederösterreich", "S4", 3.7, 120],

["Langenzersdorf", 2103, "Korneuburg", "Niederösterreich", "Strebersdorf", 21, "Floridsdorf", "Wien", "S4", 3.1, 180],

["Strebersdorf", 21, "Floridsdorf", "Wien", "Jedlersdorf", 21, "Floridsdorf", "Wien", "S4", 2.4, 120],

["Jedlersdorf", 21, "Floridsdorf", "Wien", "Brünner Straße", 21, "Floridsdorf", "Wien", "S4", 4.7, 120],

["Brünner Straße", 21, "Floridsdorf", "Wien", "Floridsdorf", 21, "Floridsdorf", "Wien", "S4", 0.75,180],

["Floridsdorf", 21, "Floridsdorf", "Wien", "Handelskai", 20, "Brigittenau", "Wien", "S4", 4.5, 120],

["Handelskai", 20, "Brigittenau", "Wien", "Traisengasse", 20, "Brigittenau", "Wien", "S4", 3.1, 120],

["Traisengasse", 20, "Brigittenau", "Wien", "Praterstern", 2, "Leopoldstadt","Wien", "S4", 4.5, 120],

["Praterstern", 2, "Leopoldstadt","Wien", "Wien Mitte", 3, "Landstraße", "Wien", "S4", 6.5, 650],

["Wien Mitte", 3, "Landstraße", "Wien", "Rennweg", 3, "Landstraße", "Wien", "S4", 7.2, 720],

["Rennweg", 3, "Landstraße", "Wien", "Quartier Belvedere", 4, "Wieden", "Wien", "S4", 3.2, 350],

["Quartier Belvedere", 4, "Wieden", "Wien", "Wien Hauptbahnhof", 4, "Wieden", "Wien", "S4", 4.5, 450],

["Wien Hauptbahnhof", 4, "Wieden", "Wien", "Matzleinsdorfer Platz", 10, "Favoriten", "Wien", "S4", 5.6, 520],

["Matzleinsdorfer Platz", 10, "Favoriten", "Wien", "Wien Meidling", 12, "Meidling", "Wien", "S4", 6.2, 550],

["Wien Meidling", 12, "Meidling", "Wien", "Hetzendorf", 12, "Meidling", "Wien", "S4", 3.7, 180],

["Hetzendorf", 12, "Meidling", "Wien", "Atzgersdorf", 23, "Liesing", "Wien", "S4", 3.5, 180],

["Atzgersdorf", 23, "Liesing", "Wien", "Liesing", 23, "Liesing", "Wien", "S4", 1.8, 120],

["Liesing", 23, "Liesing", "Wien", "Perchtoldsdorf", 2380, "Mödling", "Niederösterreich", "S4", 2.0, 120],

["Perchtoldsdorf", 2380, "Mödling", "Niederösterreich", "Brunn-Maria Enzersdorf 2344, "Mödling", "Niederösterreich", "S4", 3.0, 120],

["Brunn-Maria Enzersdorf 2344, "Mödling", "Niederösterreich", "Mödling", 2340, "Mödling", "Mödling, "S4", 2.6, 180]

]AS data

UNWIND data as row

MERGE (s:Station {name: row[0], plz: row[1], district: row[2], state: row[3]})

MERGE (s1:Station {name: row[4], plz: row[5], district: row[6], state: row[7]})

MERGE (s)-[c:EXPRESSWAY {code: row[8], length: row[9], time: row[10]}]->(s1)-[c1:EXPRESSWAY {code: row[8], length: row[9], time: row[10]}]->(s);

// -- -------------------------------------------------------------------------------------- --

// -- CITYJETEXPRESS: CJX 5

// -- -------------------------------------------------------------------------------------- --

WITH [

["St.Pölten", 3100, "Sankt Pölten", "Niederösterreich", "Prinzersdorf", 3385, "Sankt Pölten", "Niederösterreich", "CJX5", 9.0, 300],

["Prinzersdorf", 3385, "Sankt Pölten", "Niederösterreich", "Loosdorf", 3382, "Melk", "Niederösterreich", "CJX5", 9.3, 420 ],

["Loosdorf", 3382, "Melk", "Niederösterreich", "Melk", 3390, "Melk", "Niederösterreich", "CJX5", 6.5, 240],

["Melk", 3390, "Melk", "Niederösterreich", "Pöchlarn", 3380, "Melk", "Niederösterreich", "CJX5", 10.0, 360],

["Pöchlarn", 3380, "Melk", "Niederösterreich", "Krummnußbaum an der Westbahn", 3375, "Melk", "Niederösterreich", "CJX5", 4.9, 300],

["Krummnußbaum an der Westbahn", 3375, "Melk", "Niederösterreich", "Ybbs/Donau", 3373, "Melk", "Niederösterreich", "CJX5", 9.8, 180],

["Ybbs/Donau", 3373, "Melk", "Niederösterreich", "Neumarkt/Ybbs-Karlsbach", 3371, "Melk", "Niederösterreich", "CJX5", 4.5, 180],

["Neumarkt/Ybbs-Karlsbach", 3371, "Melk", "Niederösterreich", "Blindenmarkt bei Amstetten", 3372, "Melk", "Niederösterreich", "CJX5", 7.2, 180],

["Blindenmarkt bei Amstetten", 3372, "Melk", "Niederösterreich", "Amstetten", 3300, "Amstetten", "Niederösterreich", "CJX5", 8.4, 300]

] AS data

UNWIND data as row

MERGE (s:Station {name: row[0], plz: row[1], district: row[2], state: row[3]})

MERGE (s1:Station {name: row[4], plz: row[5], district: row[6], state: row[7]})

MERGE (s)-[c:REGIONAL\_EXPRESS {code: row[8], length: row[9], time: row[10]}]->(s1)-[c1:REGIONAL\_EXPRESS {code: row[8], length: row[9], time: row[10]}]->(s);