

#####

#CQ1

#####

# Vahan needs to go to classes at Povo on a normal Monday morning before 11:30 am. He takes his lunch at noon so he is wondering if it's better to take the bus or the train (whichever departs last).

PREFIX rdf: <http://knowdive.disi.unitn.it/etype#>

select distinct ?stopname ?departure ?linenumber ?linename

where {

    ?line a rdf:Line\_GID-46379;

        rdf:has\_name\_GID-34017\_Type-132 ?linenumber;

        rdf:has\_long\_name\_GID-34017\_Type-46379 ?linename;

        rdf:has\_trips\_GID-1501\_Type-46379 ?trip;

        FILTER(?linenumber = "13" || ?linenumber = "R16").

    ?trip rdf:has\_schedule\_GID-34769 ?schedule;

        rdf:has\_direction\_GID-46668\_Type-1617 ?direction;

        rdf:has\_calendar\_GID-80596\_Type-1617 ?calendar;

        FILTER(?direction = "0").

    ?calendar rdf:has\_weekdays\_GID-80597\_Type-80596 ?weekdays;

        FILTER regex(?weekdays, "11111").

    ?schedule rdf:has\_stops\_GID-5446\_Type-34818 ?stops;

        rdf:has\_departure\_time\_GID-80846\_Type-34818 ?departure;

        FILTER(?departure <= "11:30:00").

    ?stops rdf:has\_name\_GID-34017\_Type-132 ?stopname;

        FILTER (CONTAINS(?stopname, "Verona \"Questura\") || CONTAINS(?stopname, "Trento S. Bartolameo")).

}

ORDER BY DESC (?departure) LIMIT 5

#####

#CQ2

#####

# Diego has to go from Povo back to his room at 4:30pm each workday after classes. He feels car-sick when taking the bus, so he highly prefers taking the train.

```

PREFIX rdf: <http://knowdive.disi.unitn.it/etype#>
PREFIX omgeo: <http://www.ontotext.com/owlim/geo#>

select distinct ?stop_name ?departure ?line_name
where {
    ?line a rdf:Line_GID-46379;
        rdf:has_long_name_GID-34017_Type-46379 ?line_name;
        rdf:has_trips_GID-1501_Type-46379 ?trip;
        rdf:has_type_GID-25142_Type-46379 ?type;
        FILTER(?type = "2").

    ?trip rdf:has_schedule_GID-34769 ?schedule;
        rdf:has_direction_GID-46668_Type-1617 ?direction;
        FILTER(?direction = "1").

    ?calendar rdf:has_weekdays_GID-80597_Type-80596 ?weekdays;
        FILTER regex(?weekdays, "^11111").

    ?schedule rdf:has_stops_GID-5446_Type-34818 ?stops;
        rdf:has_departure_time_GID-80846_Type-34818 ?departure;
        FILTER(?departure >= "16:30:00").

    ?stops rdf:has_name_GID-34017_Type-132 ?stop_name;

        rdf:has_latitude_GID-46264_Type-132 ?lat;
        rdf:has_longitude_GID-46270_Type-132 ?long;

        # Look for a train station at less than 1km from Unitn (Povo)
        FILTER (omgeo:distance(46.06708394, 11.14961419, ?lat, ?long) < 1).

}

ORDER BY ASC (?departure) LIMIT 5

#####
#CQ3
#####

```

# Vahan finishes classes at 4:00 pm in Povo. He knows it's possible to reach his dorm (Verona Questura) using two different routes (line 13 and line 5 + line 3), and is wondering which way is faster.

PREFIX rdf: <http://knowdive.disi.unitn.it/etype#>

PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>

select distinct ?name\_start ?name\_end ?departure ?arrival ?linenumber ?linename  
?time\_elapsed

where {

    ?line a rdf:Line\_GID-46379;

        rdf:has\_name\_GID-34017\_Type-132 ?linenumber;

        rdf:has\_long\_name\_GID-34017\_Type-46379 ?linename;

        rdf:has\_trips\_GID-1501\_Type-46379 ?trip.

    ?trip

        rdf:has\_calendar\_GID-80596\_Type-1617 ?calendar;

        rdf:has\_schedule\_GID-34769 ?schedule\_start;

        rdf:has\_schedule\_GID-34769 ?schedule\_end.

    ?calendar rdf:has\_weekdays\_GID-80597\_Type-80596 ?weekdays.

    ?schedule\_start

        rdf:has\_stops\_GID-5446\_Type-34818 ?stops\_start;

        rdf:has\_departure\_time\_GID-80846\_Type-34818 ?departure.

    ?schedule\_end

        rdf:has\_stops\_GID-5446\_Type-34818 ?stops\_end;

        rdf:has\_arrival\_time\_GID-80845\_Type-34818 ?arrival.

    ?stops\_start rdf:has\_name\_GID-34017\_Type-132 ?name\_start.

    ?stops\_end    rdf:has\_name\_GID-34017\_Type-132 ?name\_end.

FILTER regex(?weekdays, "^11111")

FILTER (?departure > "16:00:00")

FILTER (?departure < ?arrival)

##### Povo to Piazza Venezia (line 5)

# FILTER (?linenumber = '5')

```

# FILTER (CONTAINS(?name_start, "Povo Valoni"))
# FILTER (CONTAINS(?name_end, "Port'aquila"))

##### Piazza di Fiera to Verona Questura (lines 3 or 8)
# FILTER (?linenumber = '3' || ?linenumber = '8')
# FILTER (CONTAINS(?name_start, "Travai Piazza Fiera"))
# FILTER (CONTAINS(?name_end, "Verona \"Questura\"))

##### Povo to Verona Questura (line 13)
FILTER (?linenumber = "13")
FILTER (CONTAINS(?name_start, "Povo \"Centro Civico\"))
FILTER (CONTAINS(?name_end, "Verona \"Questura\"))

BIND (xsd:dateTime(CONCAT("2023-01-01T", ?arrival)) AS ?dt_arrival)
BIND (xsd:dateTime(CONCAT("2023-01-01T", ?departure)) AS ?dt_departure)
BIND (?dt_arrival - ?dt_departure AS ?time_elapsed)
}
ORDER BY ASC (?departure) LIMIT 4

#####
#CQ4
#####
# Rodrigo works at the restaurant during the weekend and needs to find the best time for
reaching his workplace at 11 am.
PREFIX rdf: <http://knowdive.disi.unitn.it/etype#>

select distinct ?name_start ?name_end ?departure ?arrival ?linenumber ?linename ?weekdays
where {
    ?line a rdf:Line_GID-46379;
        rdf:has_name_GID-34017_Type-132 ?linenumber;
        rdf:has_long_name_GID-34017_Type-46379 ?linename;
        rdf:has_trips_GID-1501_Type-46379 ?trip.

    ?trip
        rdf:has_calendar_GID-80596_Type-1617 ?calendar;
        rdf:has_schedule_GID-34769 ?schedule_start;
        rdf:has_schedule_GID-34769 ?schedule_end.

    ?calendar rdf:has_weekdays_GID-80597_Type-80596 ?weekdays.

```

```

?schedule_start
    rdf:has_stops_GID-5446_Type-34818 ?stops_start;
    rdf:has_departure_time_GID-80846_Type-34818 ?departure.

```

```

?schedule_end
    rdf:has_stops_GID-5446_Type-34818 ?stops_end;
    rdf:has_arrival_time_GID-80845_Type-34818 ?arrival.

```

```

?stops_start rdf:has_name_GID-34017_Type-132 ?name_start.
?stops_end   rdf:has_name_GID-34017_Type-132 ?name_end.

```

```

FILTER (!regex (?weekdays, "00$"))
FILTER (?arrival < "11:00:00")
FILTER (?departure < ?arrival)

```

```

FILTER (CONTAINS(?name_start, "Piazza Dante"))
FILTER (CONTAINS(?name_end, "Mattarello Gotarda"))

```

```

}
ORDER BY DESC (?arrival) LIMIT 10

```

```
#####
```

```
#CQ5
```

```
#####
```

# Giulia is going to a birthday party next Saturday in the city centre (Trento). The party tends to end at midnight, so she is wondering when is the last bus to return back home.

```
PREFIX rdf: <http://knowdive.disi.unitn.it/etype#>
```

```
PREFIX omgeo: <http://www.ontotext.com/owlim/geo#>
```

```

select distinct ?stopname ?departure ?linenumber ?linename
where {
    ?line a rdf:Line_GID-46379;
        rdf:has_name_GID-34017_Type-132 ?linenumber;
        rdf:has_long_name_GID-34017_Type-46379 ?linename;
        rdf:has_trips_GID-1501_Type-46379 ?trip.

    ?trip rdf:has_calendar_GID-80596_Type-1617 ?calendar;
        rdf:has_schedule_GID-34769 ?schedule_start;

```

```

        rdf:has_schedule_GID-34769 ?schedule_end.

?calendar rdf:has_weekdays_GID-80597_Type-80596 ?weekdays;
    FILTER regex (?weekdays, "1[01]$").

?schedule_start rdf:has_stops_GID-5446_Type-34818 ?stops_start;
    rdf:has_departure_time_GID-80846_Type-34818 ?departure.

?schedule_end
    rdf:has_stops_GID-5446_Type-34818 ?stops_end;
    rdf:has_arrival_time_GID-80845_Type-34818 ?arrival.

?stops_start rdf:has_name_GID-34017_Type-132 ?stopname;
    rdf:has_latitude_GID-46264_Type-132 ?lat;
    rdf:has_longitude_GID-46270_Type-132 ?long.

?stops_end rdf:has_name_GID-34017_Type-132 ?destiny.

FILTER (?departure < ?arrival)

### Any stop at less than 500m from Piazza Dante train station
FILTER (omgeo:distance(46.07209811, 11.11955396, ?lat, ?long) < 0.5)
FILTER (CONTAINS(?destiny, "Gardolo 4 Nov. \"Piscina\"))
}

ORDER BY DESC (?departure) LIMIT 5

#####
#CQ6
#####
# Claudio has booked a train from Rovereto to Bolzano on 1st of November, 9:00 am. He is
curious about which bus he should take from his apartment in order to reach the train
station on time as it is on a national holiday.
PREFIX rdf: <http://knowdive.disi.unitn.it/etype#>
PREFIX omgeo: <http://www.ontotext.com/owlim/geo#>

select distinct ?stop_start ?stop_end ?departure ?arrival ?linenumber ?linename
where {
    ?line a rdf:Line_GID-46379;
        rdf:has_name_GID-34017_Type-132 ?linenumber;

```

```

        rdf:has_long_name_GID-34017_Type-46379 ?linename;
        rdf:has_trips_GID-1501_Type-46379 ?trip.

?trip rdf:has_calendar_GID-80596_Type-1617 ?calendar;
      rdf:has_schedule_GID-34769 ?schedule_start;
      rdf:has_schedule_GID-34769 ?schedule_end.

?calendar rdf:has_weekdays_GID-80597_Type-80596 ?weekdays.

?schedule_start
      rdf:has_stops_GID-5446_Type-34818 ?stops_start;
      rdf:has_departure_time_GID-80846_Type-34818 ?departure.

?schedule_end
      rdf:has_stops_GID-5446_Type-34818 ?stops_end;
      rdf:has_arrival_time_GID-80845_Type-34818 ?arrival.

?stops_start rdf:has_name_GID-34017_Type-132 ?stop_start.

?stops_end rdf:has_name_GID-34017_Type-132 ?stop_end;
           rdf:has_latitude_GID-46264_Type-132 ?lat;
           rdf:has_longitude_GID-46270_Type-132 ?long.

FILTER regex (?weekdays, "1$")

FILTER (?departure < ?arrival)
FILTER (?arrival < "09:00:00")

FILTER (CONTAINS(?stop_start, "Lizzanella"))

### Any stop at less than 200m from Rovereto train station
FILTER (omgeo:distance(45.89098568, 11.03413357, ?lat, ?long) < 0.2)
}

ORDER BY DESC (?departure) LIMIT 5

#####
#CQ7
#####

```

# Giulia finished her work later than usual due to a project deadline and managed to arrive to the city center at 11pm thanks to a friend. Now she needs to go back to her house in the north.

PREFIX rdf: <http://knowdive.disi.unitn.it/etype#>

```
select distinct ?name_start ?name_end ?departure ?arrival ?linenumber ?linename
where {
```

```
  ?line a rdf:Line_GID-46379;
```

```
    rdf:has_name_GID-34017_Type-132 ?linenumber;
```

```
    rdf:has_long_name_GID-34017_Type-46379 ?linename;
```

```
    rdf:has_trips_GID-1501_Type-46379 ?trip.
```

```
  ?trip
```

```
    rdf:has_calendar_GID-80596_Type-1617 ?calendar;
```

```
    rdf:has_schedule_GID-34769 ?schedule_start;
```

```
    rdf:has_schedule_GID-34769 ?schedule_end.
```

```
  ?calendar rdf:has_weekdays_GID-80597_Type-80596 ?weekdays.
```

```
  ?schedule_start
```

```
    rdf:has_stops_GID-5446_Type-34818 ?stops_start;
```

```
    rdf:has_departure_time_GID-80846_Type-34818 ?departure.
```

```
  ?schedule_end
```

```
    rdf:has_stops_GID-5446_Type-34818 ?stops_end;
```

```
    rdf:has_arrival_time_GID-80845_Type-34818 ?arrival.
```

```
  ?stops_start rdf:has_name_GID-34017_Type-132 ?name_start.
```

```
  ?stops_end   rdf:has_name_GID-34017_Type-132 ?name_end.
```

```
  FILTER regex(?weekdays, "^11111")
```

```
  FILTER (?departure >= "23:00:00")
```

```
  FILTER (?departure < ?arrival)
```

```
  FILTER (CONTAINS(?name_start, "Piazza di Fiera"))
```

```
  FILTER (CONTAINS(?name_end, "Gardolo 4 Nov. \"Piscina\"))
```

```
}
```

```
ORDER BY DESC (?arrival) LIMIT 10
```



```
#####
```

```
#CQ8
```

```
#####
```

```
# Claudio should prepare for the exams during the summer exam session and decides to go to the central library (Biblioteca Universitaria Rovereto). He needs to know when the first bus is after 9 am.
```

```
PREFIX rdf: <http://knowdive.disi.unitn.it/etype#>
```

```
PREFIX omgeo: <http://www.ontotext.com/owlim/geo#>
```

```
select distinct ?stop_start ?stop_end ?departure ?arrival ?linenumber ?linename
where {
```

```
    ?line a rdf:Line_GID-46379;
          rdf:has_name_GID-34017_Type-132 ?linenumber;
          rdf:has_long_name_GID-34017_Type-46379 ?linename;
          rdf:has_trips_GID-1501_Type-46379 ?trip.
```

```
    ?trip rdf:has_calendar_GID-80596_Type-1617 ?calendar;
          rdf:has_schedule_GID-34769 ?schedule_start;
          rdf:has_schedule_GID-34769 ?schedule_end.
```

```
    ?calendar rdf:has_weekdays_GID-80597_Type-80596 ?weekdays.
```

```
    ?schedule_start
          rdf:has_stops_GID-5446_Type-34818 ?stops_start;
          rdf:has_departure_time_GID-80846_Type-34818 ?departure.
```

```
    ?schedule_end
          rdf:has_stops_GID-5446_Type-34818 ?stops_end;
          rdf:has_arrival_time_GID-80845_Type-34818 ?arrival.
```

```
    ?stops_start rdf:has_name_GID-34017_Type-132 ?stop_start.
```

```
    ?stops_end rdf:has_name_GID-34017_Type-132 ?stop_end;
              rdf:has_latitude_GID-46264_Type-132 ?lat;
              rdf:has_longitude_GID-46270_Type-132 ?long.
```

```
FILTER regex(?weekdays, "^11111")
```

```
FILTER (?departure < ?arrival)
```

```

FILTER (?departure >= "09:00:00")

FILTER (CONTAINS(?stop_start, "Lizzanella"))

### Any stop at less than 200m from BUR
FILTER (omgeo:distance(45.89405263, 11.04365961, ?lat, ?long) < 0.2)

}

ORDER BY DESC (?departure) LIMIT 5

#####
#CQ9
#####
# Diego will be volunteering during a sport festival and needs to go from the dormitory to
the city centre before 9 am.
PREFIX rdf: <http://knowdive.disi.unitn.it/etype#>

select distinct ?name_start ?name_end ?departure ?arrival ?linenumber ?linename ?weekdays
where {
    ?line a rdf:Line_GID-46379;
        rdf:has_name_GID-34017_Type-132 ?linenumber;
        rdf:has_long_name_GID-34017_Type-46379 ?linename;
        rdf:has_trips_GID-1501_Type-46379 ?trip.

    ?trip
        rdf:has_calendar_GID-80596_Type-1617 ?calendar;
        rdf:has_schedule_GID-34769 ?schedule_start;
        rdf:has_schedule_GID-34769 ?schedule_end.

    ?calendar rdf:has_weekdays_GID-80597_Type-80596 ?weekdays.

    ?schedule_start
        rdf:has_stops_GID-5446_Type-34818 ?stops_start;
        rdf:has_departure_time_GID-80846_Type-34818 ?departure.

    ?schedule_end
        rdf:has_stops_GID-5446_Type-34818 ?stops_end;
        rdf:has_arrival_time_GID-80845_Type-34818 ?arrival.

```

```
?stops_start rdf:has_name_GID-34017_Type-132 ?name_start.  
?stops_end   rdf:has_name_GID-34017_Type-132 ?name_end.
```

```
FILTER (!regex (?weekdays, "00$"))
```

```
FILTER (?arrival <= "09:00:00")
```

```
FILTER (?departure < ?arrival)
```

```
FILTER (CONTAINS(?name_start, "Verona \\"Questura\""))
```

```
FILTER (CONTAINS(?name_end, "Piazza di Fiera"))
```

```
}  
ORDER BY DESC (?departure) LIMIT 10
```

```
#####
```

```
#CQ10
```

```
#####
```

# Vahan must go from Povo to his dorm (12:30 pm) and wants to try to take a train. However, he heard that there's some maintenance on the rails and he wants to check which is the next available train.

```
PREFIX rdf: <http://knowdive.disi.unitn.it/etype#>
```

```
select distinct ?stopname ?departure ?linenumber ?linename
```

```
where {
```

```
    ?line a rdf:Line_GID-46379;
```

```
        rdf:has_name_GID-34017_Type-132 ?linenumber;
```

```
        rdf:has_long_name_GID-34017_Type-46379 ?linename;
```

```
        rdf:has_trips_GID-1501_Type-46379 ?trip;
```

```
        rdf:has_type_GID-25142_Type-46379 ?type;
```

```
        FILTER(?type = "2").
```

```
    ?trip rdf:has_schedule_GID-34769 ?schedule;
```

```
        rdf:has_direction_GID-46668_Type-1617 ?direction;
```

```
        rdf:has_calendar_GID-80596_Type-1617 ?calendar;
```

```
        FILTER(?direction = "1").
```

```
    ?calendar rdf:has_weekdays_GID-80597_Type-80596 ?weekdays;
```

```
        FILTER regex(?weekdays, "^11111").
```

```
    ?schedule rdf:has_stops_GID-5446_Type-34818 ?stops;
```

```

        rdf:has_departure_time_GID-80846_Type-34818 ?departure;
        FILTER(?departure >= "12:30:00").

    ?stops rdf:has_name_GID-34017_Type-132 ?stopname;
        FILTER CONTAINS(?stopname, "Povo - Mesiano").
}
ORDER BY ASC (?departure) LIMIT 5

#####
#CQ11
#####
# Chiara wants to go from the city centre of Trento to the north, however, she has to get a
bus for people with reduced mobility.
PREFIX rdf: <http://knowdive.disi.unitn.it/etype#>

select distinct ?name_start ?name_end ?departure ?arrival ?linenumber ?linename ?weekdays
where {
    ?line a rdf:Line_GID-46379;
        rdf:has_name_GID-34017_Type-132 ?linenumber;
        rdf:has_long_name_GID-34017_Type-46379 ?linename;
        rdf:has_trips_GID-1501_Type-46379 ?trip.

    ?trip
        rdf:has_calendar_GID-80596_Type-1617 ?calendar;
        rdf:has_wheelchair_accessibility_GID-300000_Type-1617 ?wheelchair_trip;
        rdf:has_schedule_GID-34769 ?schedule_start;
        rdf:has_schedule_GID-34769 ?schedule_end.

    ?calendar rdf:has_weekdays_GID-80597_Type-80596 ?weekdays.

    ?schedule_start
        rdf:has_stops_GID-5446_Type-34818 ?stops_start;
        rdf:has_departure_time_GID-80846_Type-34818 ?departure.

    ?schedule_end
        rdf:has_stops_GID-5446_Type-34818 ?stops_end;
        rdf:has_arrival_time_GID-80845_Type-34818 ?arrival.

    ?stops_start

```

```

    rdf:has_name_GID-34017_Type-132 ?name_start;
    rdf:has_wheelchair_accessibility_GID-300000_Type-1617 ?wheelchair_stop_start.
?stops_end
    rdf:has_name_GID-34017_Type-132 ?name_end;
    rdf:has_wheelchair_accessibility_GID-300000_Type-1617 ?wheelchair_stop_end.

FILTER regex (?weekdays, "^11111")
FILTER (?departure >= "08:00:00")
FILTER (?departure < ?arrival)

FILTER (CONTAINS(?name_start, "Romagnosi Vannetti"))
FILTER (CONTAINS(?name_end, "Brennero \"Bren Center\"))

FILTER(?wheelchair_trip = "1")
FILTER(?wheelchair_stop_start = "1")
FILTER(?wheelchair_stop_end = "1")
}
ORDER BY ASC (?departure) # LIMIT 10

#####
#CQ12
#####
# Diego was shopping in the city center and it started raining, so now he's looking to go
back home. He would prefer waiting on a bus stop that allows to cover from the rain.
PREFIX rdf: <http://knowdive.disi.unitn.it/etype#>
PREFIX omgeo: <http://www.ontotext.com/owlim/geo#>

select distinct ?stopname ?departure ?linenumber ?linename
where {
    ?line a rdf:Line_GID-46379;
        rdf:has_name_GID-34017_Type-132 ?linenumber;
        rdf:has_long_name_GID-34017_Type-46379 ?linename;
        rdf:has_trips_GID-1501_Type-46379 ?trip.

    ?trip rdf:has_calendar_GID-80596_Type-1617 ?calendar;
        rdf:has_schedule_GID-34769 ?schedule_start;
        rdf:has_schedule_GID-34769 ?schedule_end.

```

```

?calendar rdf:has_weekdays_GID-80597_Type-80596 ?weekdays;
    FILTER regex (?weekdays, "1[01]$").

?schedule_start rdf:has_stops_GID-5446_Type-34818 ?stops_start;
    rdf:has_departure_time_GID-80846_Type-34818 ?departure.

?schedule_end
    rdf:has_stops_GID-5446_Type-34818 ?stops_end;
    rdf:has_arrival_time_GID-80845_Type-34818 ?arrival.

?stops_start rdf:has_name_GID-34017_Type-132 ?stopname;
    rdf:has_covering_GID-22933_Type-5446 ?covering;
    rdf:has_latitude_GID-46264_Type-132 ?lat;
    rdf:has_longitude_GID-46270_Type-132 ?long.

?stops_end rdf:has_name_GID-34017_Type-132 ?destiny.

FILTER (?departure >= "13:00:00")
FILTER (?departure < ?arrival)

### Any stop at less than 500m from Piazza Dante train station
FILTER (omgeo:distance(46.07209811, 11.11955396, ?lat, ?long) < 0.5)
FILTER (CONTAINS(?destiny, "Verona \"Questura\"))

FILTER (?covering = "1")
}
ORDER BY ASC (?departure) LIMIT 20

#####
#CQ13
#####
# Rodrigo is tired after working all day and is heading back to Trento main station. He
thinks he has to wait a lot for the next bus, and would like to know which bus stops have
some place to sit.
PREFIX rdf: <http://knowdive.disi.unitn.it/etype#>

select distinct ?name_start ?name_end ?departure ?arrival ?linenumber ?linename ?weekdays
where {
    ?line a rdf:Line_GID-46379;

```

```
    rdf:has_name_GID-34017_Type-132 ?linenumber;  
    rdf:has_long_name_GID-34017_Type-46379 ?linename;  
    rdf:has_trips_GID-1501_Type-46379 ?trip.
```

?trip

```
    rdf:has_calendar_GID-80596_Type-1617 ?calendar;  
    rdf:has_schedule_GID-34769 ?schedule_start;  
    rdf:has_schedule_GID-34769 ?schedule_end.
```

?calendar rdf:has\_weekdays\_GID-80597\_Type-80596 ?weekdays.

?schedule\_start

```
    rdf:has_stops_GID-5446_Type-34818 ?stops_start;  
    rdf:has_departure_time_GID-80846_Type-34818 ?departure.
```

?schedule\_end

```
    rdf:has_stops_GID-5446_Type-34818 ?stops_end;  
    rdf:has_arrival_time_GID-80845_Type-34818 ?arrival.
```

?stops\_start

```
    rdf:has_name_GID-34017_Type-132 ?name_start;  
    rdf:has_seats_GID-15151_Type-5446 ?seats.
```

?stops\_end rdf:has\_name\_GID-34017\_Type-132 ?name\_end.

```
FILTER (!regex (?weekdays, "00$"))
```

```
FILTER (?departure >= "16:00:00")
```

```
FILTER (?departure < ?arrival)
```

```
FILTER (CONTAINS(?name_start, "Mattarello"))
```

```
FILTER (CONTAINS(?name_end, "Romagnosi Vannetti"))
```

```
FILTER (?seats = "1")
```

```
}
```

```
ORDER BY ASC (?departure) LIMIT 20
```