

Ilya Zverev, Lyft  
FOSDEM 2020



257



# Applied Mapping

Geocoding

Routing

Showing a map

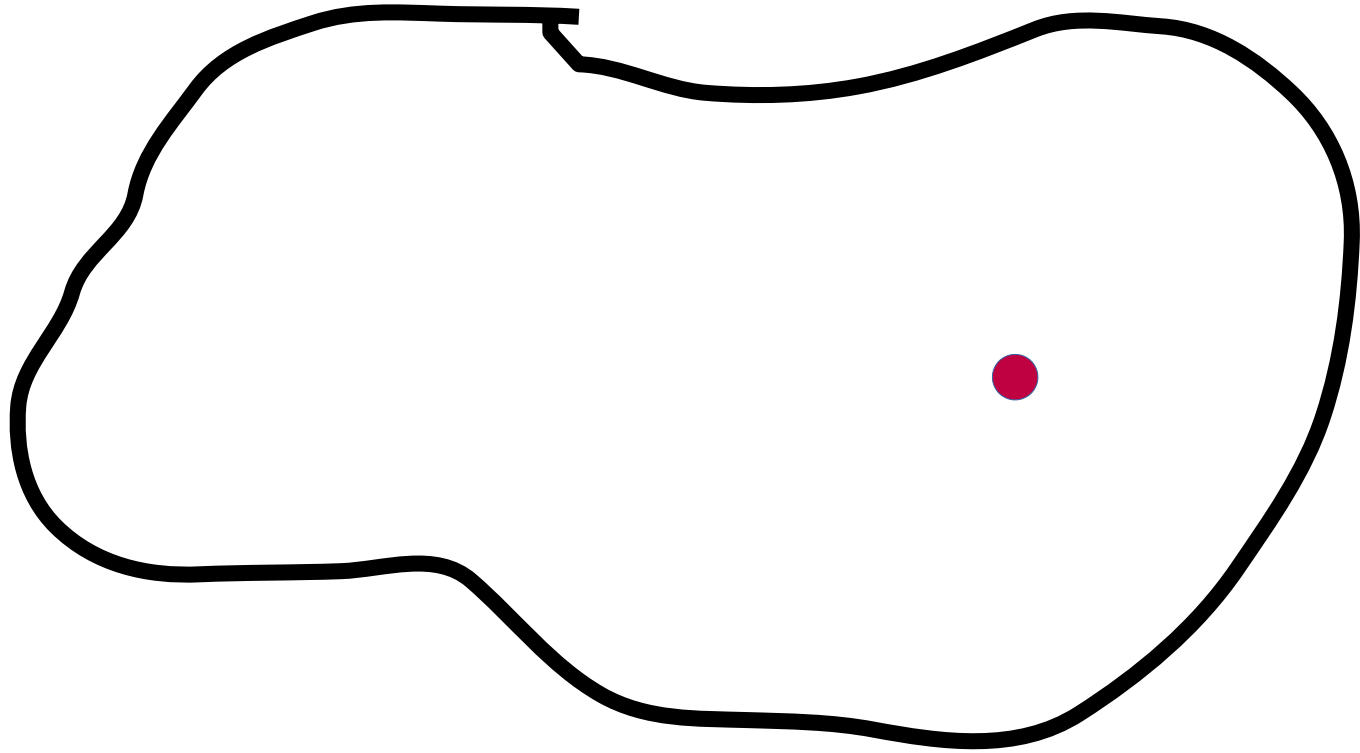


I'm so bored.

# Reverse Geocoding

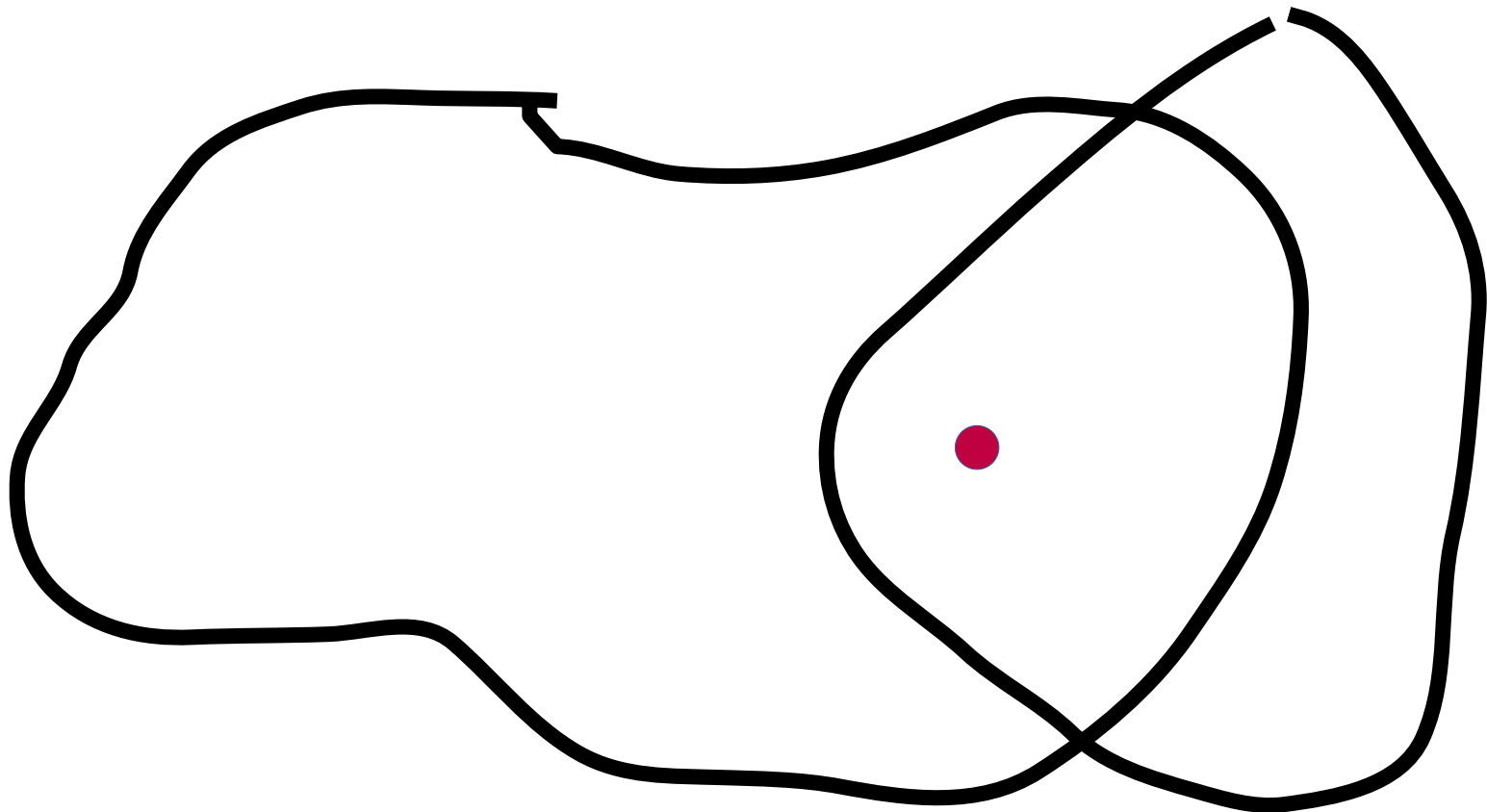
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# Country

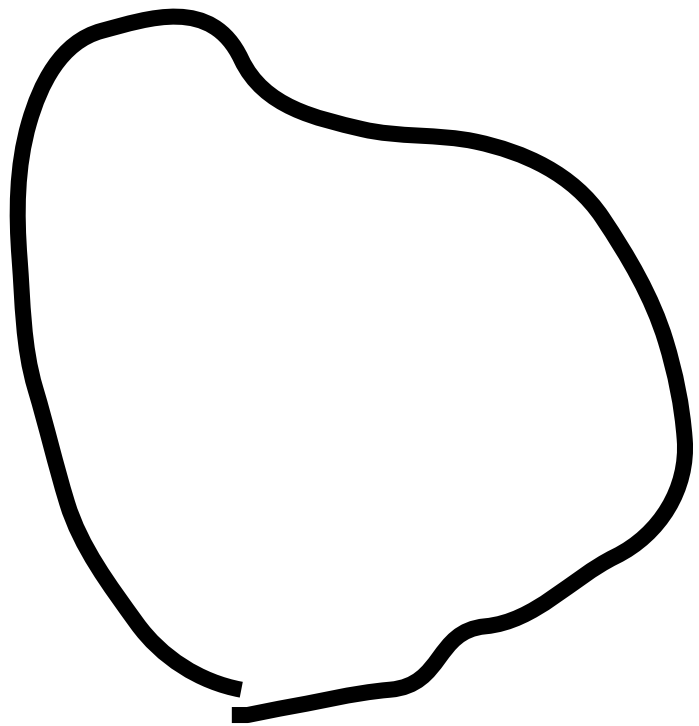


# 1. Point in Polygon

Country

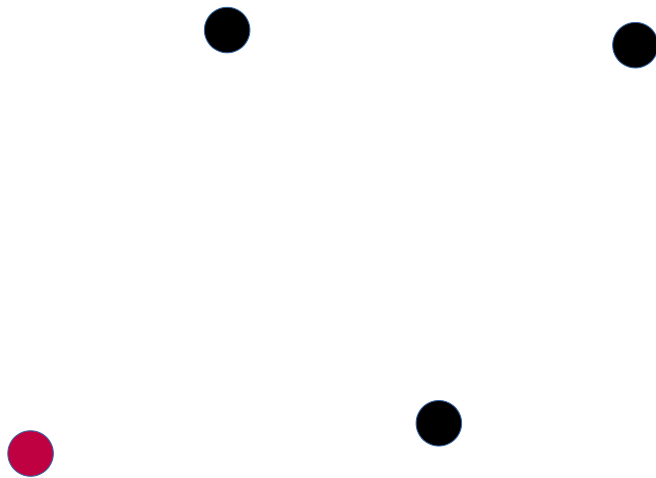
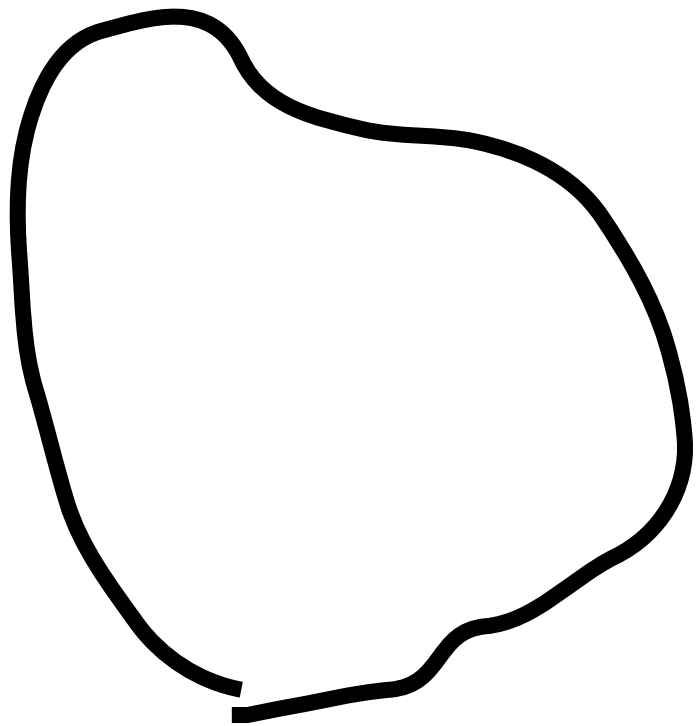


# Locality



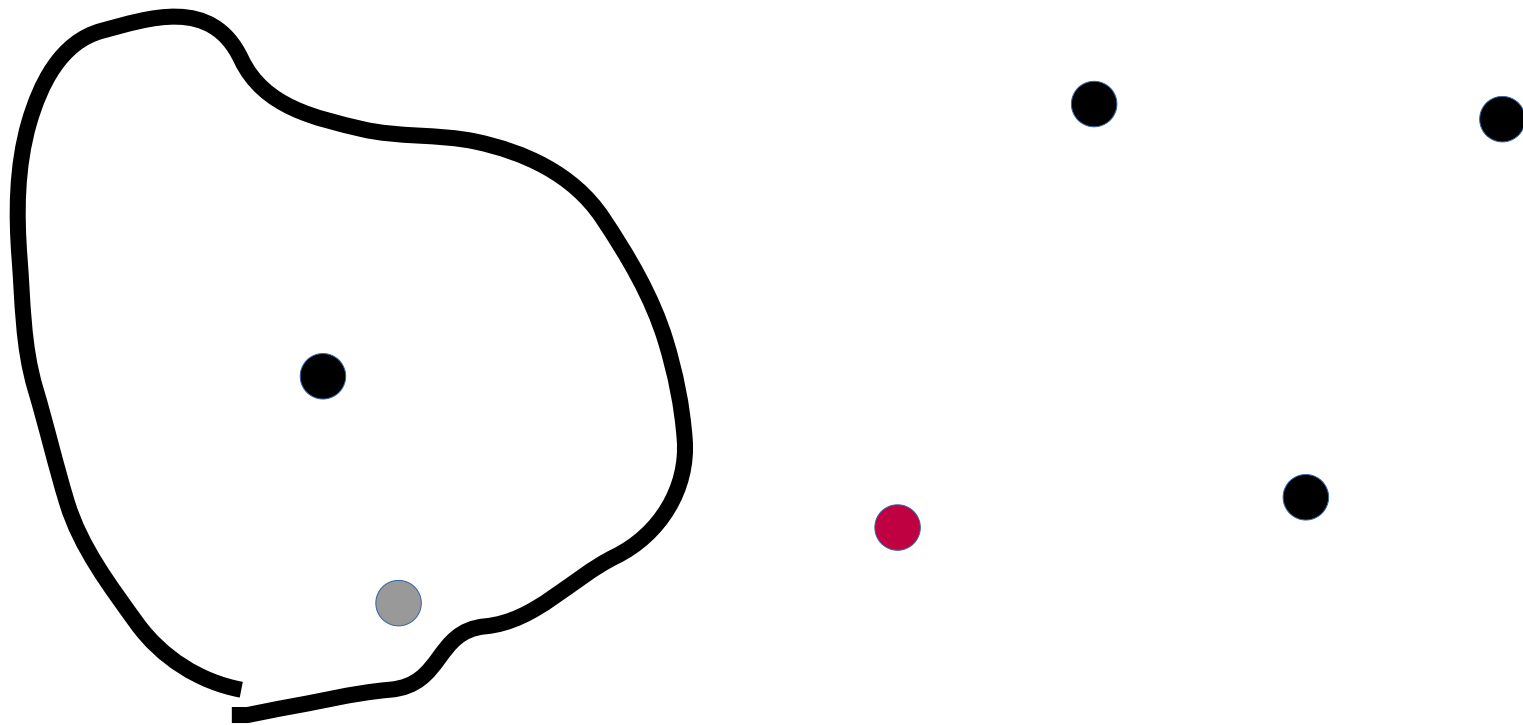


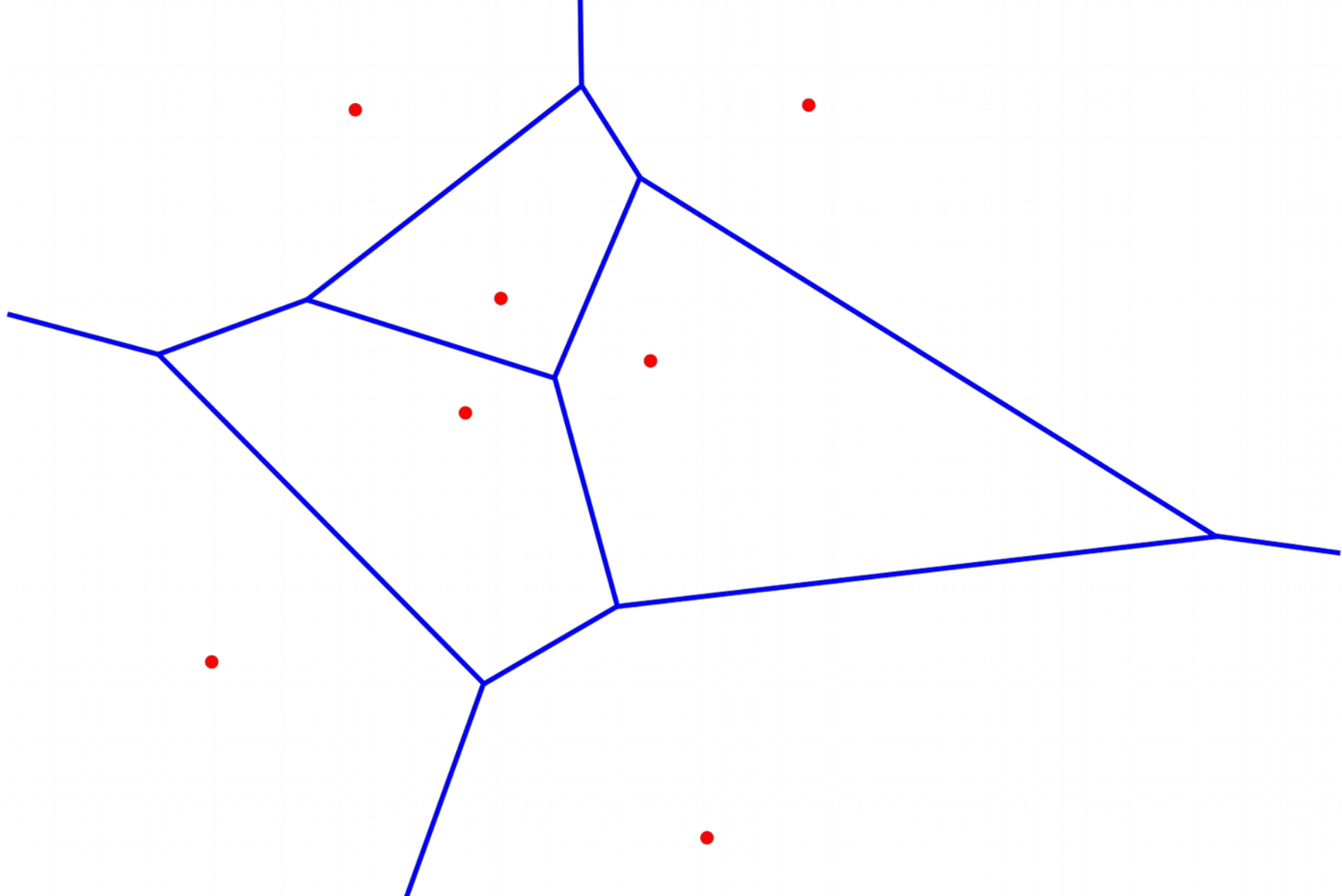
# Locality



1. Point in Polygon
2. Nearest Point

# Locality





Nearest  
Point



Point in  
Polygon

Nearest  
Point



Point in  
Polygon

```
SELECT * FROM areas WHERE ST_Contains()
```



House  
Number

35



# Open Address Data

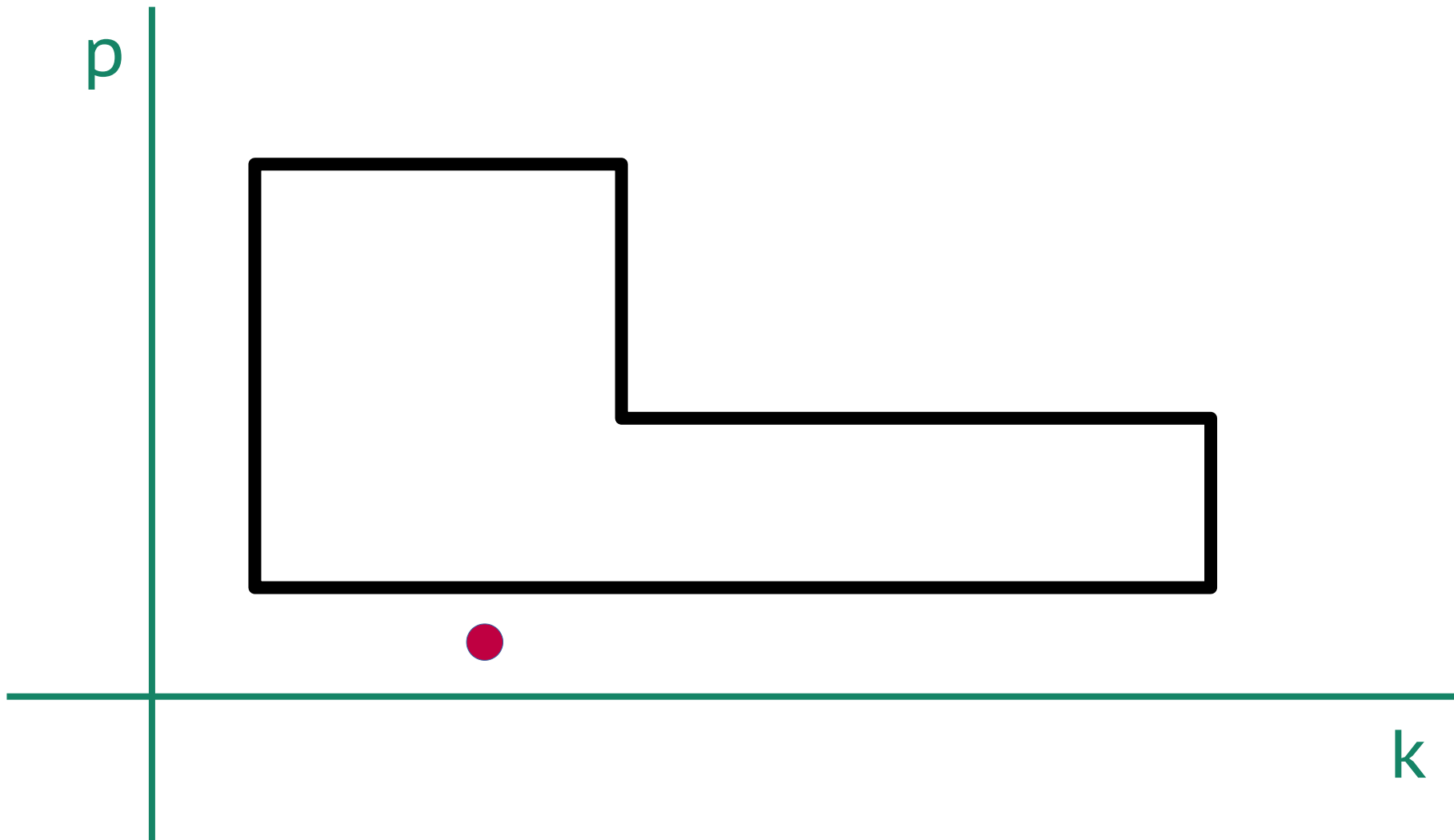




# Open Address Data



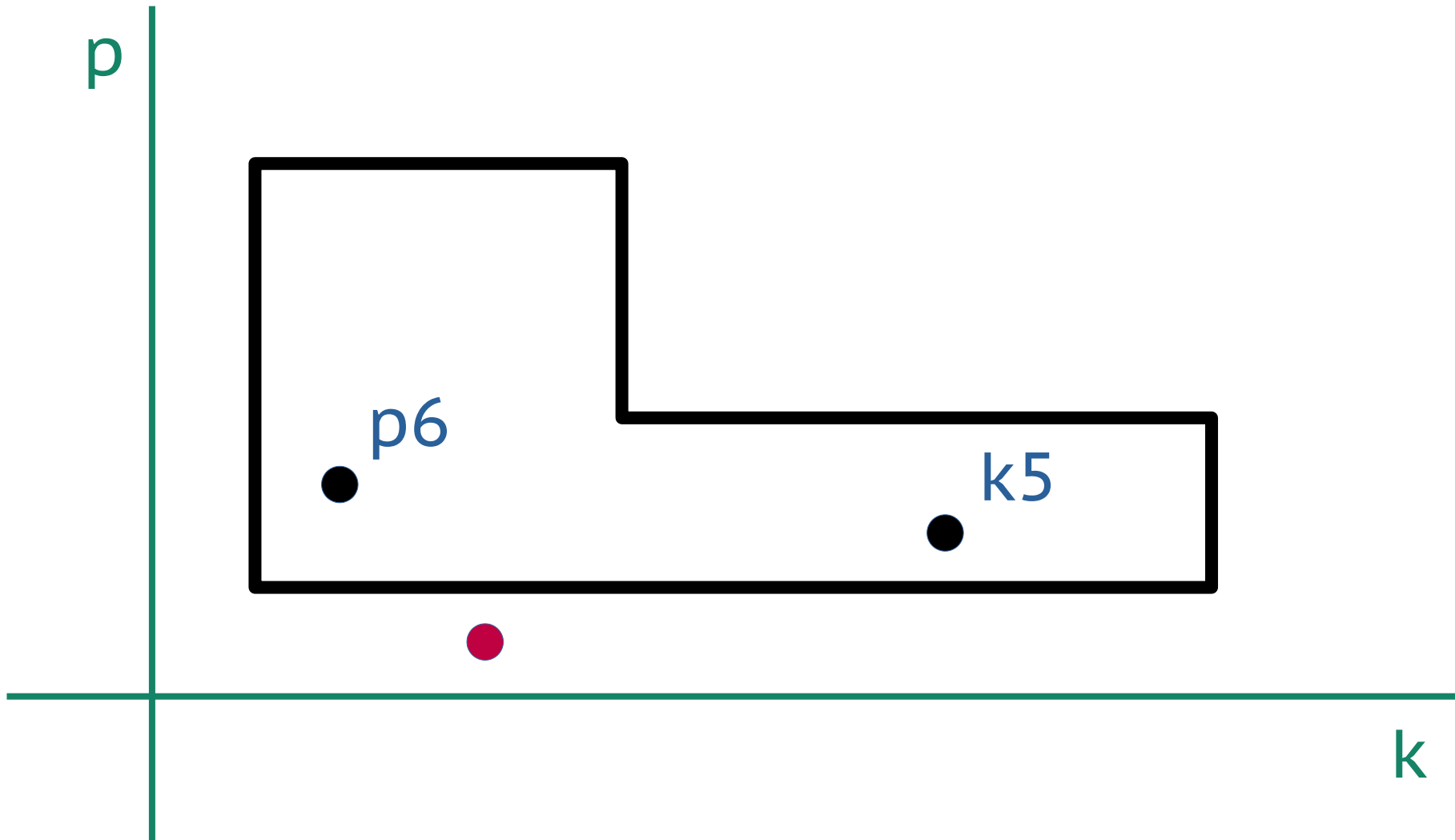
**Nearest Addressed Object!**

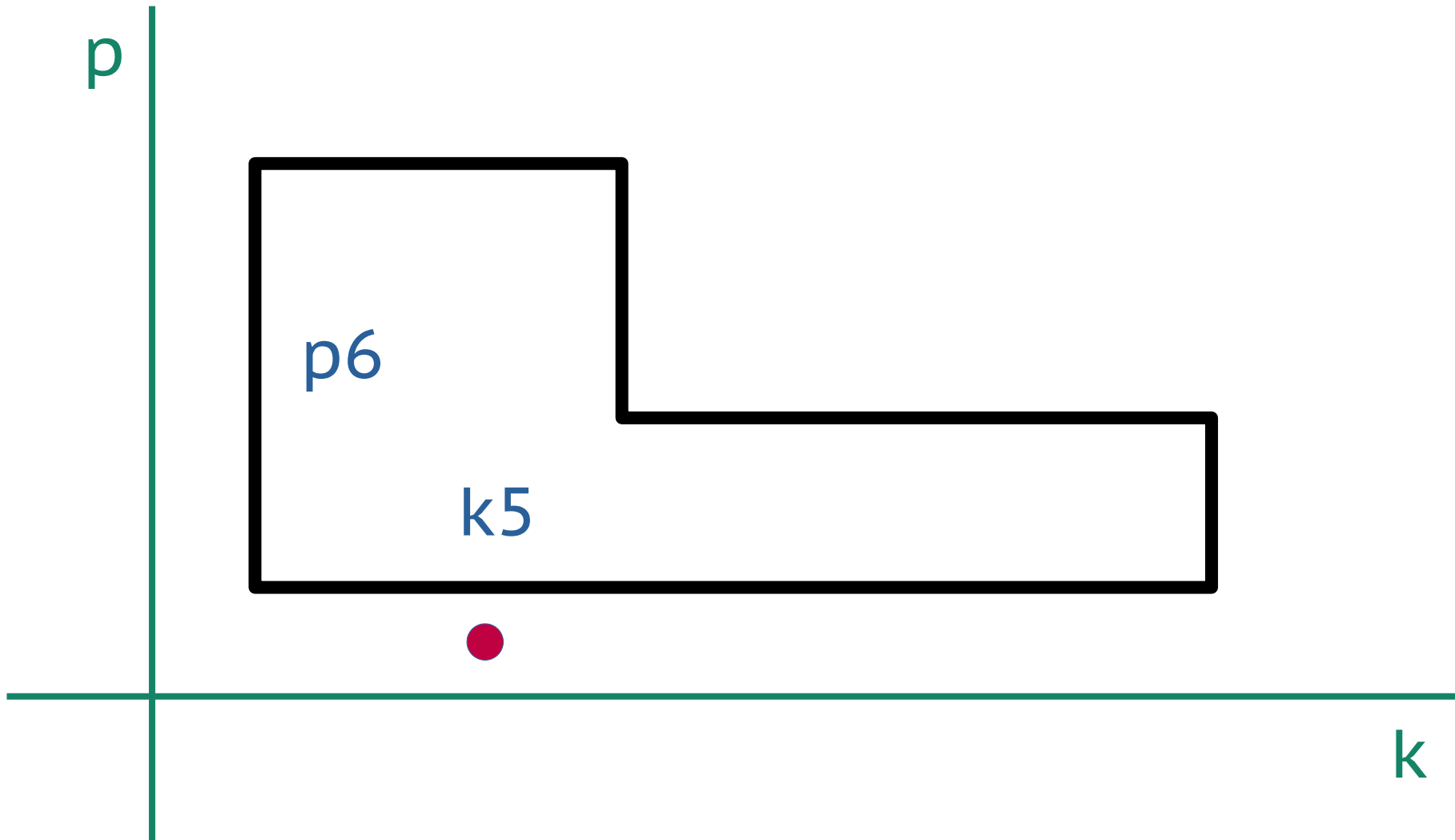


p

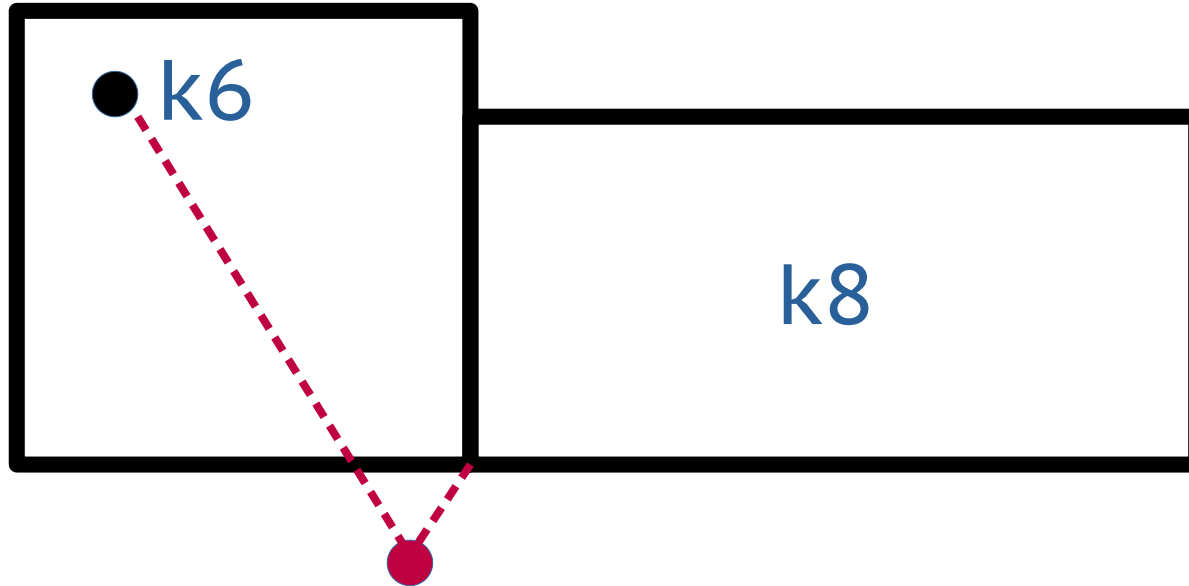


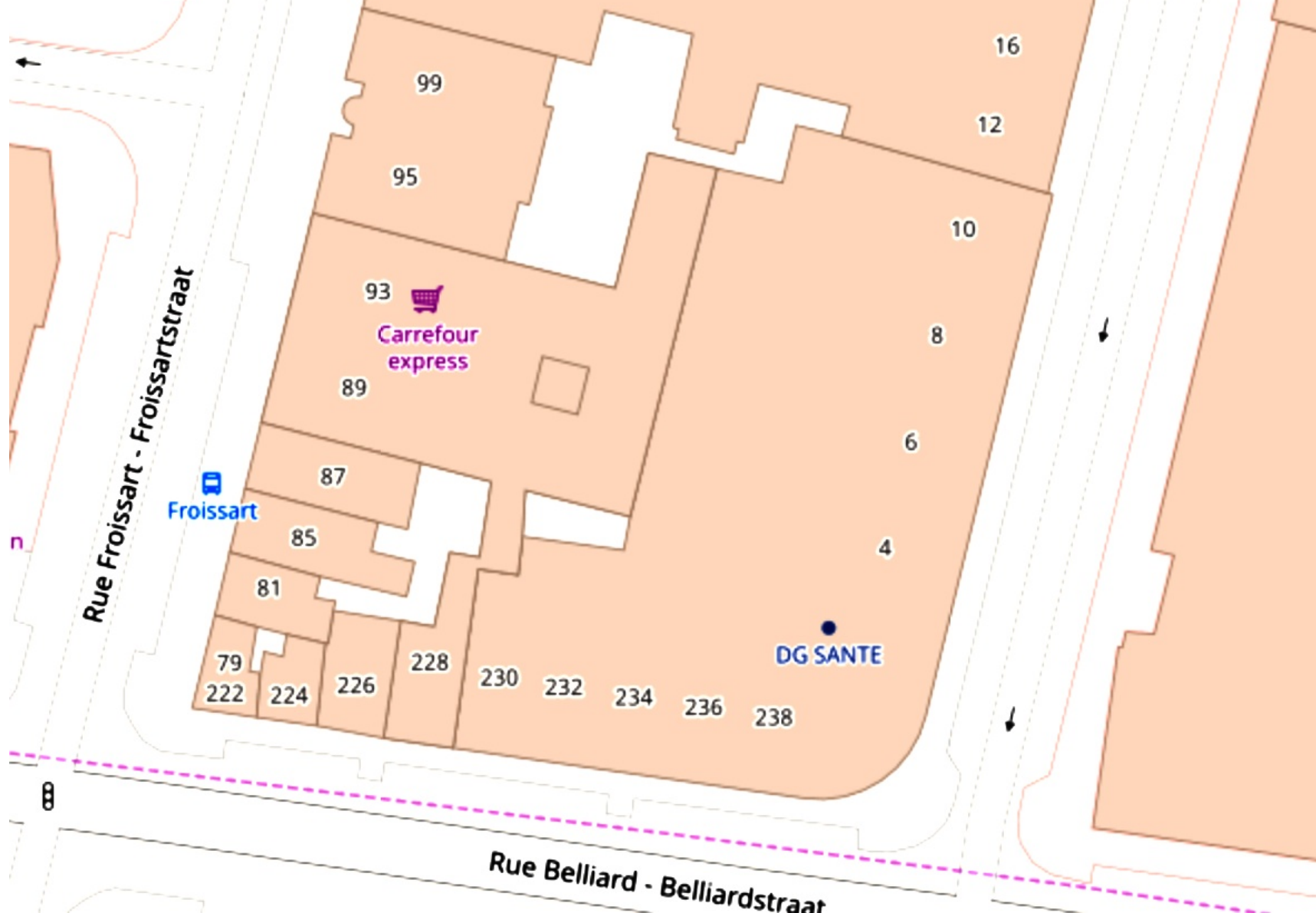
k





# Point = Polygon





Rue Froissart - Froissartstraat

Rue Belliard - Belliardstraat

93   
Carrefour  
express

  
Froissart

  
DG SANTE

99

95

93

89

87

85

81

79

222

224

226

228

230

232

234

236

238

16

12

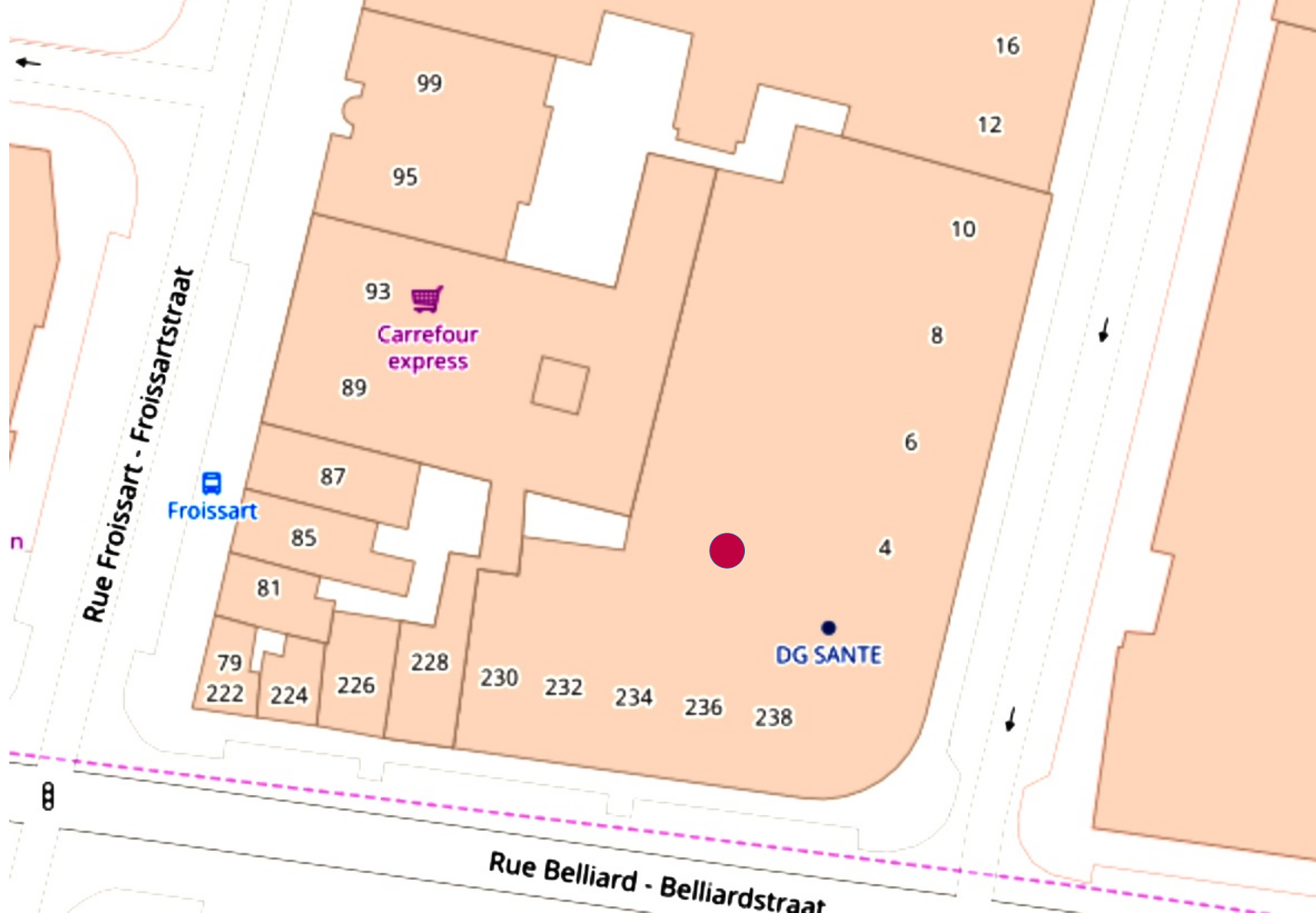
10


8

6

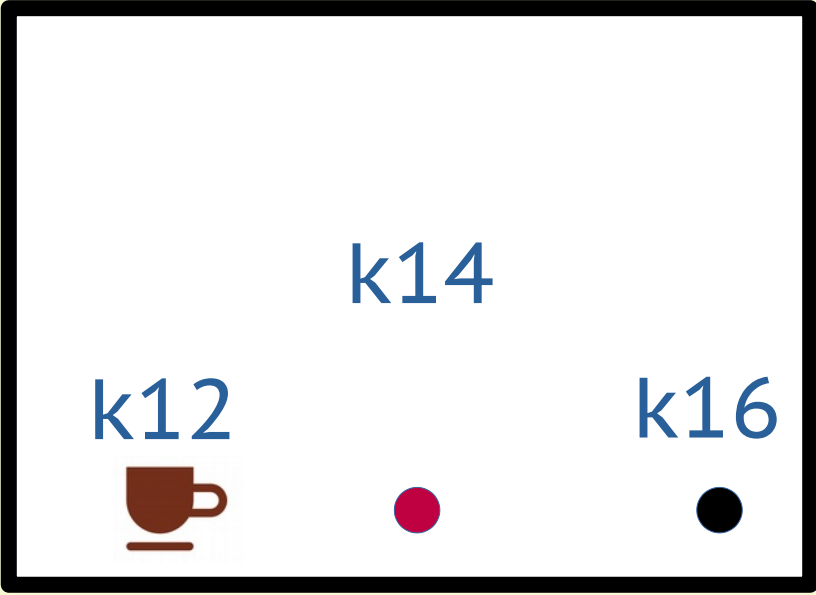
4

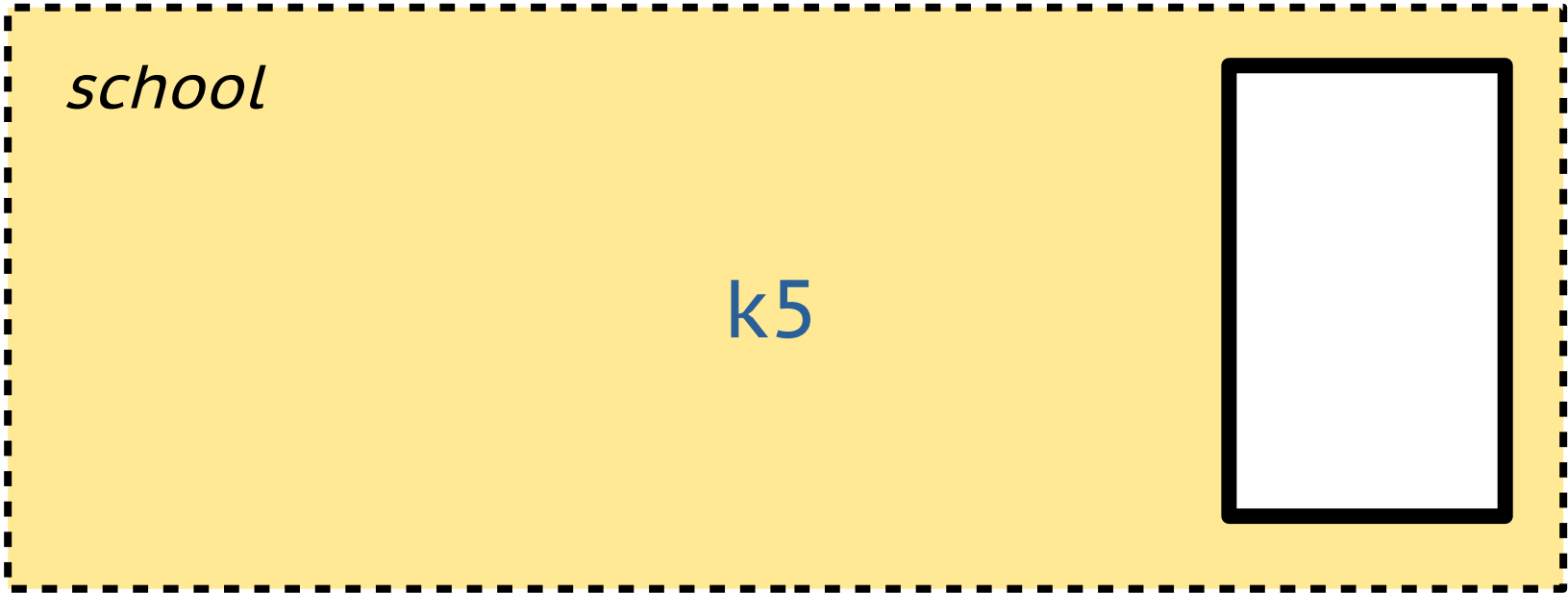




The image features a central white space with the text "It's OSM" in a bold, black, sans-serif font. This central area is surrounded by a decorative border composed of numerous magnifying glasses. Each magnifying glass has a black handle and a circular lens. The lenses are arranged in a circular pattern, and each lens contains a vertical tricolor of yellow, red, and yellow. The background behind the magnifying glasses is a green map with red and blue lines, suggesting a geographical or navigation theme. The overall composition is symmetrical and visually appealing, with a clear focus on the central text.

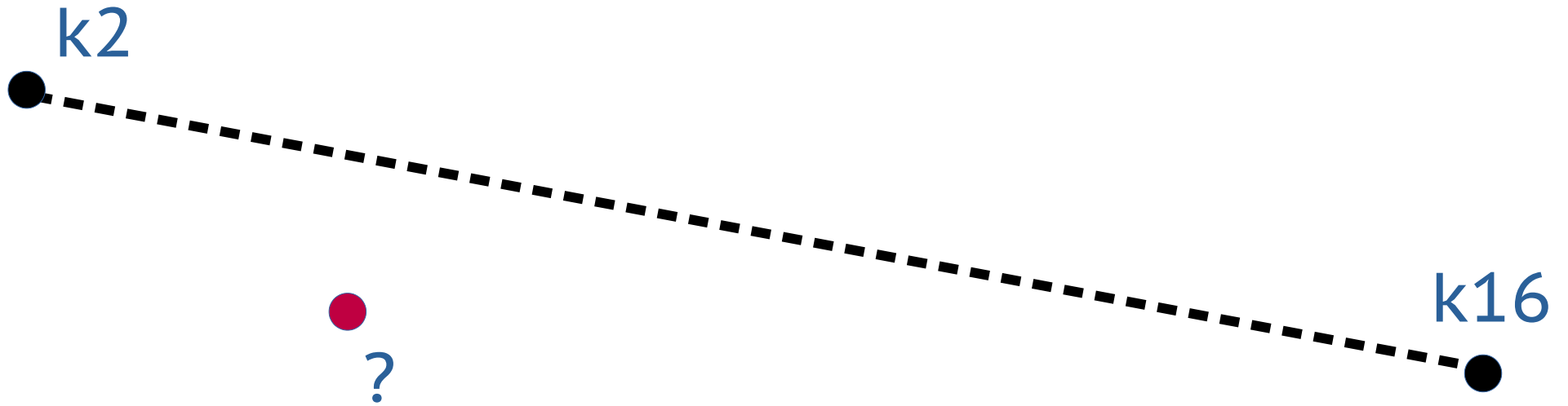
**It's OSM**





*k*

# Address Interpolation



This is real



[github.com / gojuno / jrg](https://github.com/gojuno/jrg)



# Thank you!

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