

# ProRail

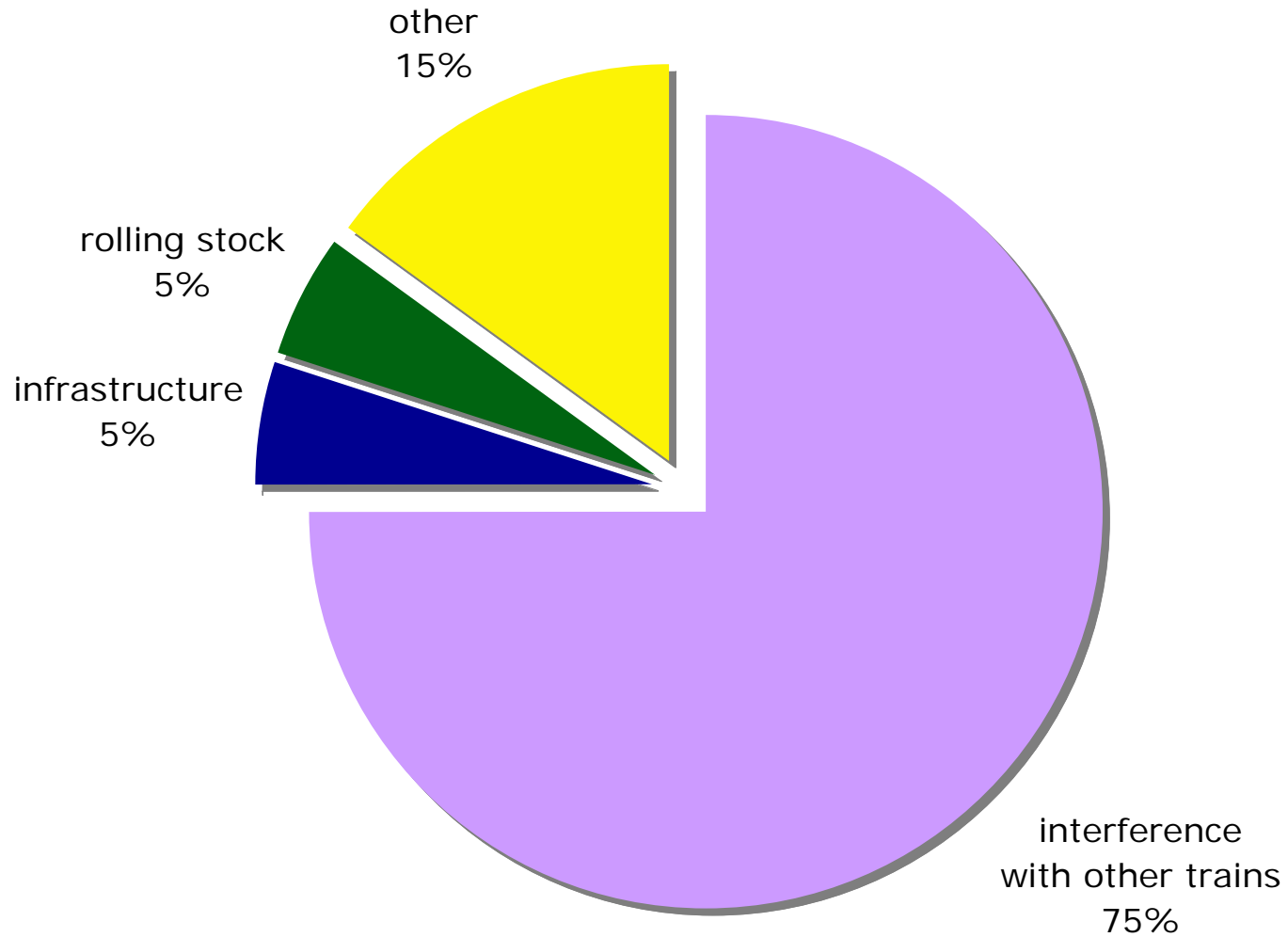
## Improving operational performance

*Klaas Hofstra, Manager Performance Analysis*



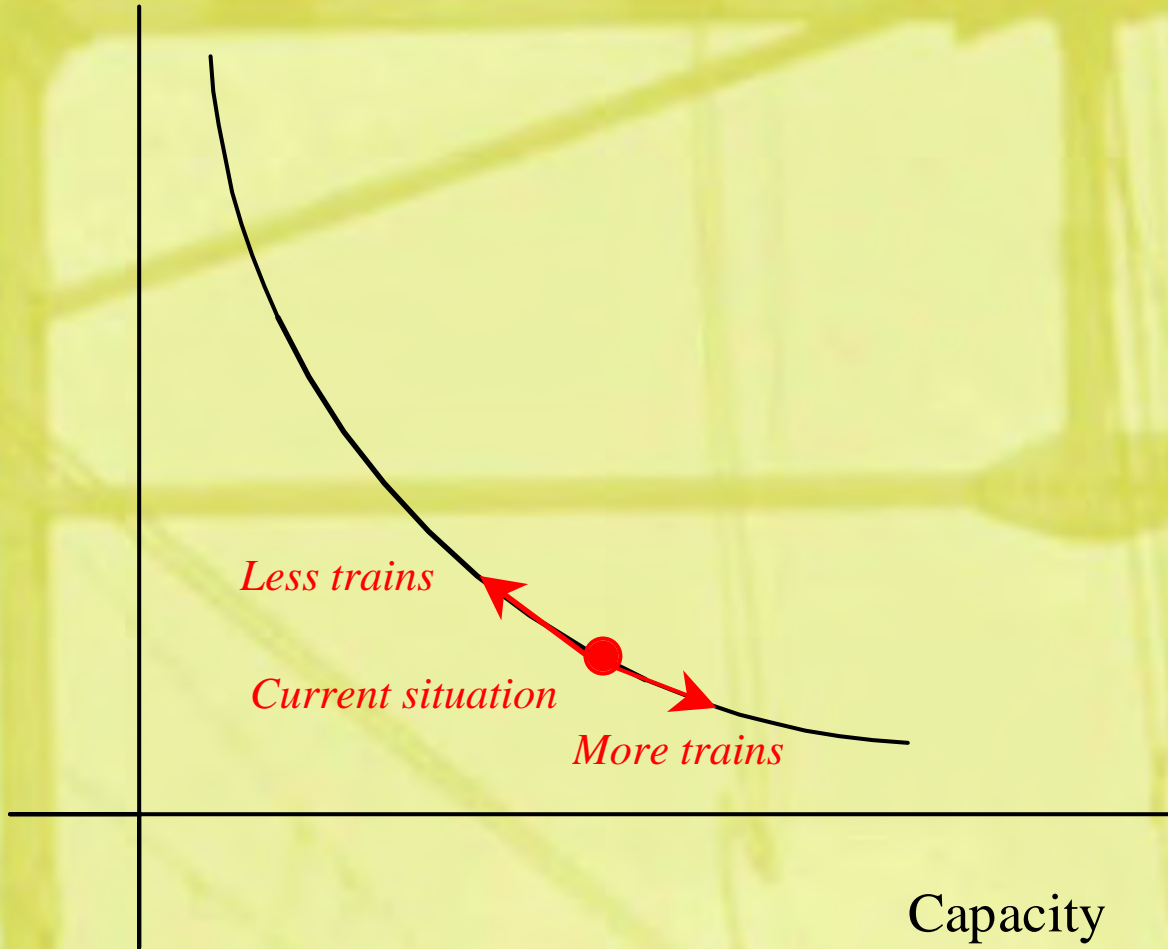
# Causes of lateness

**ProRail**



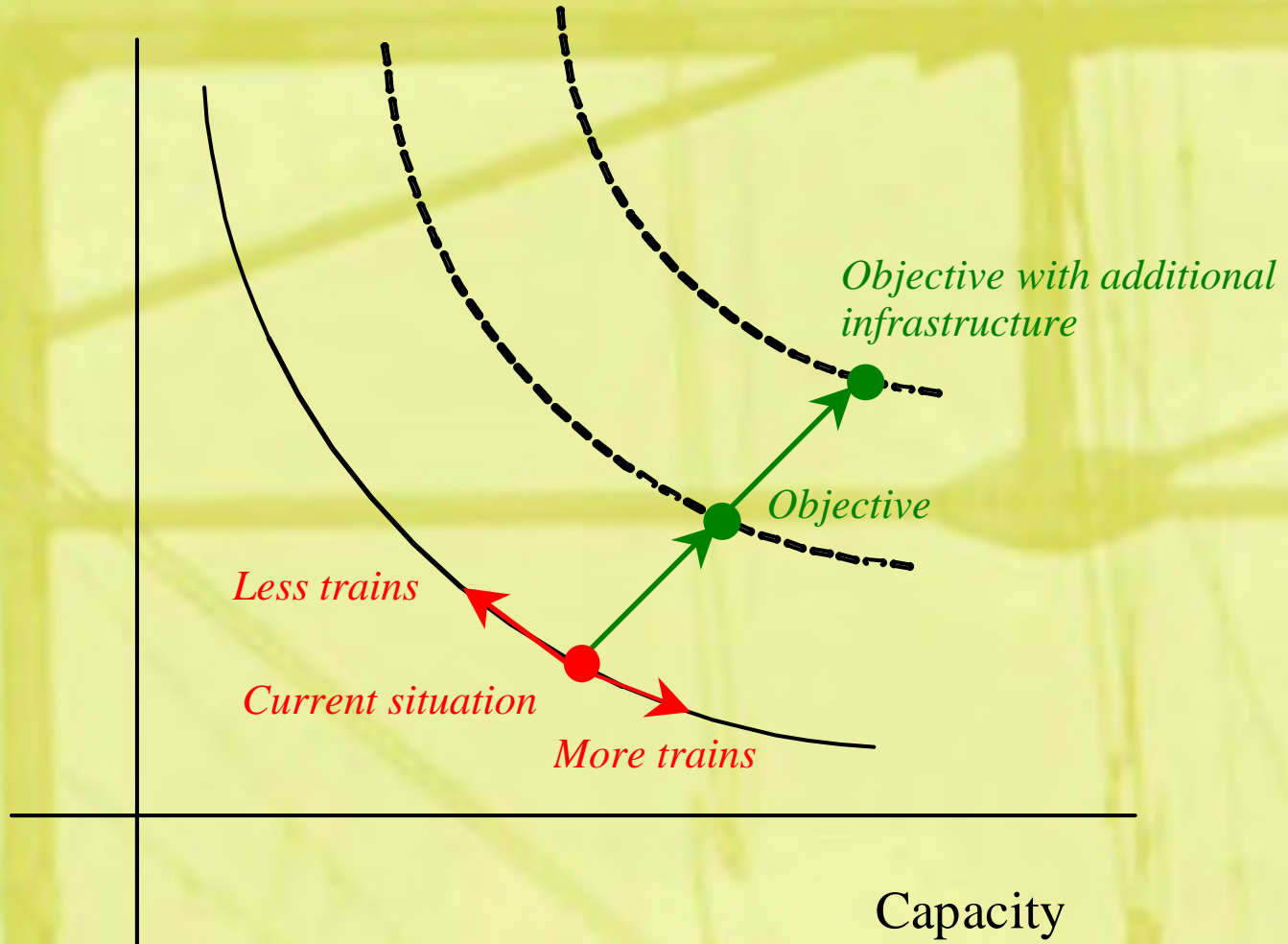
# Reliability vs. Capacity

# ProRail



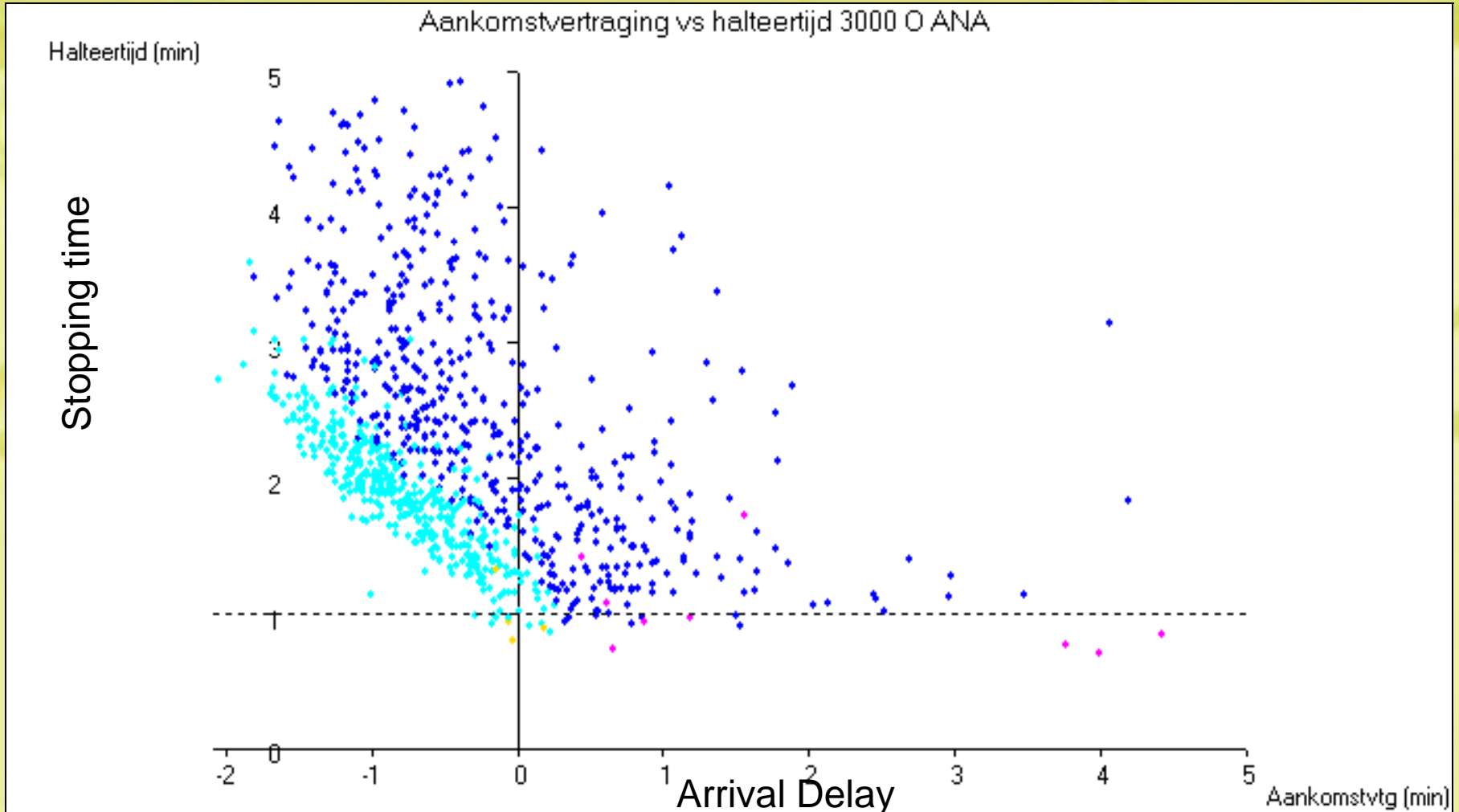
# Reliability vs. Capacity

# ProRail



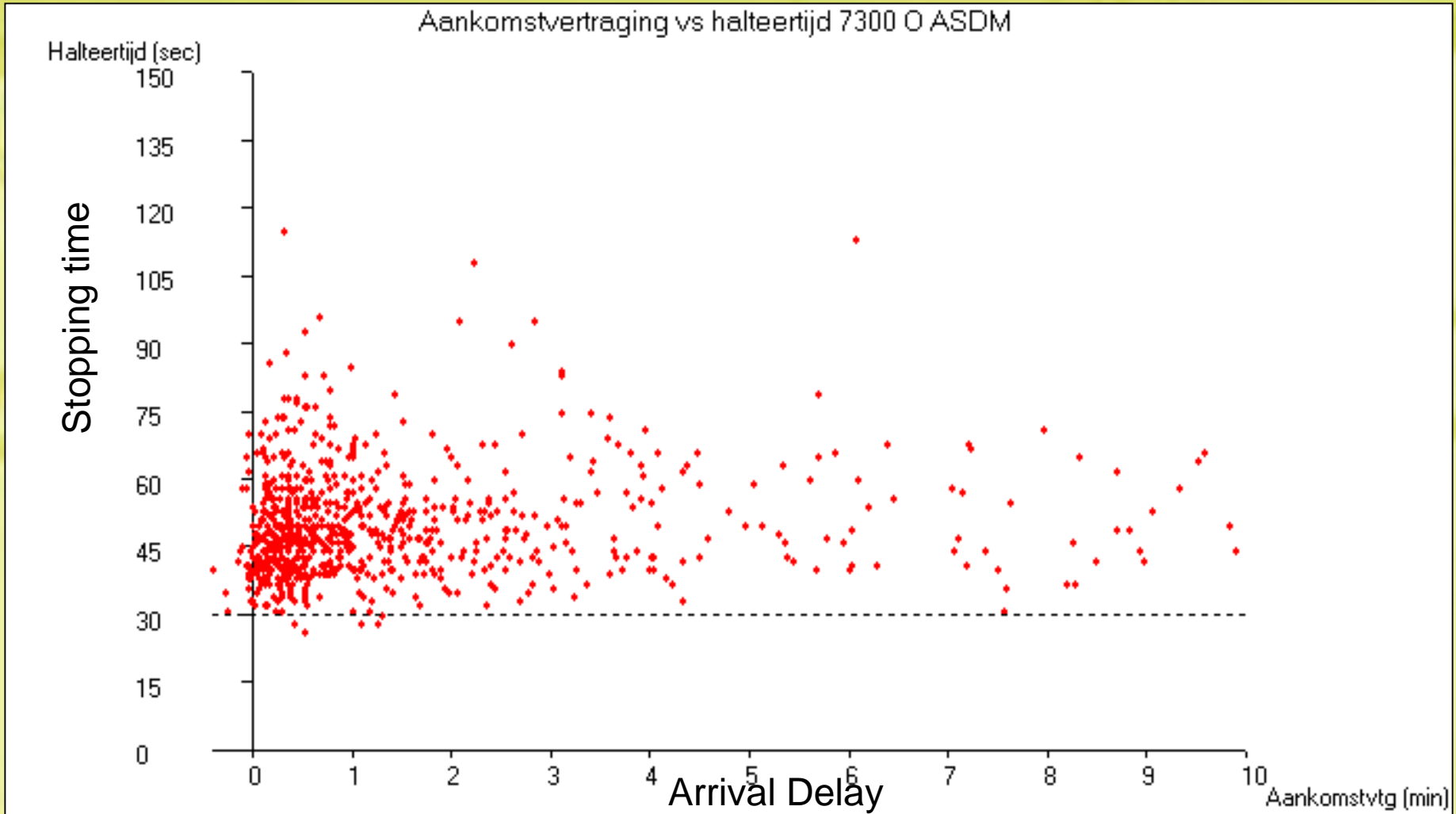
# A) Detailed planning and the use of margins

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## B) Accuracy of departure

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# C) The issue of level crossings

Aankomstvertraging vs halteertijd 3000 O HWD

Halteertijd (min)

3

2

1

Planned time

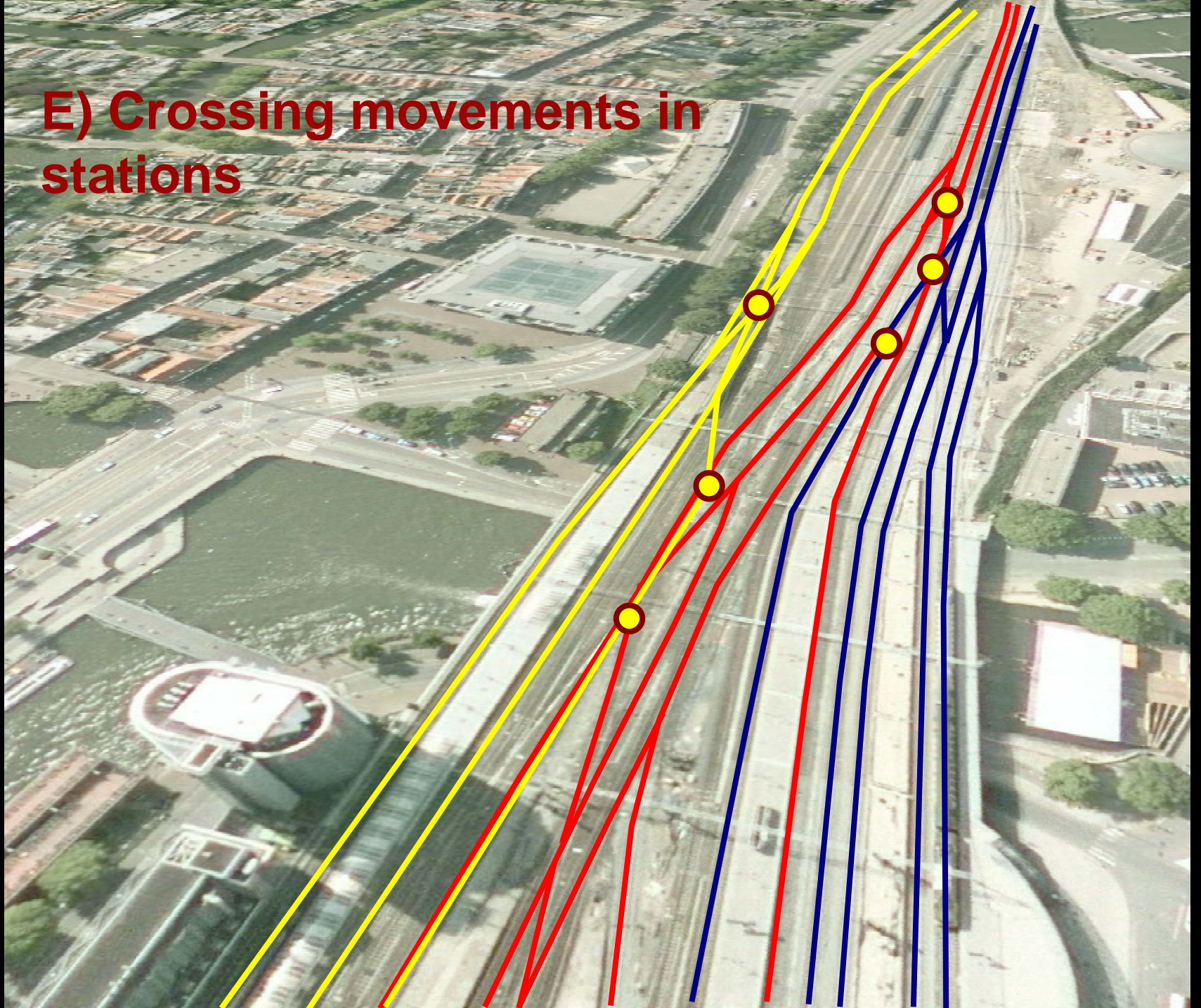
0

-1



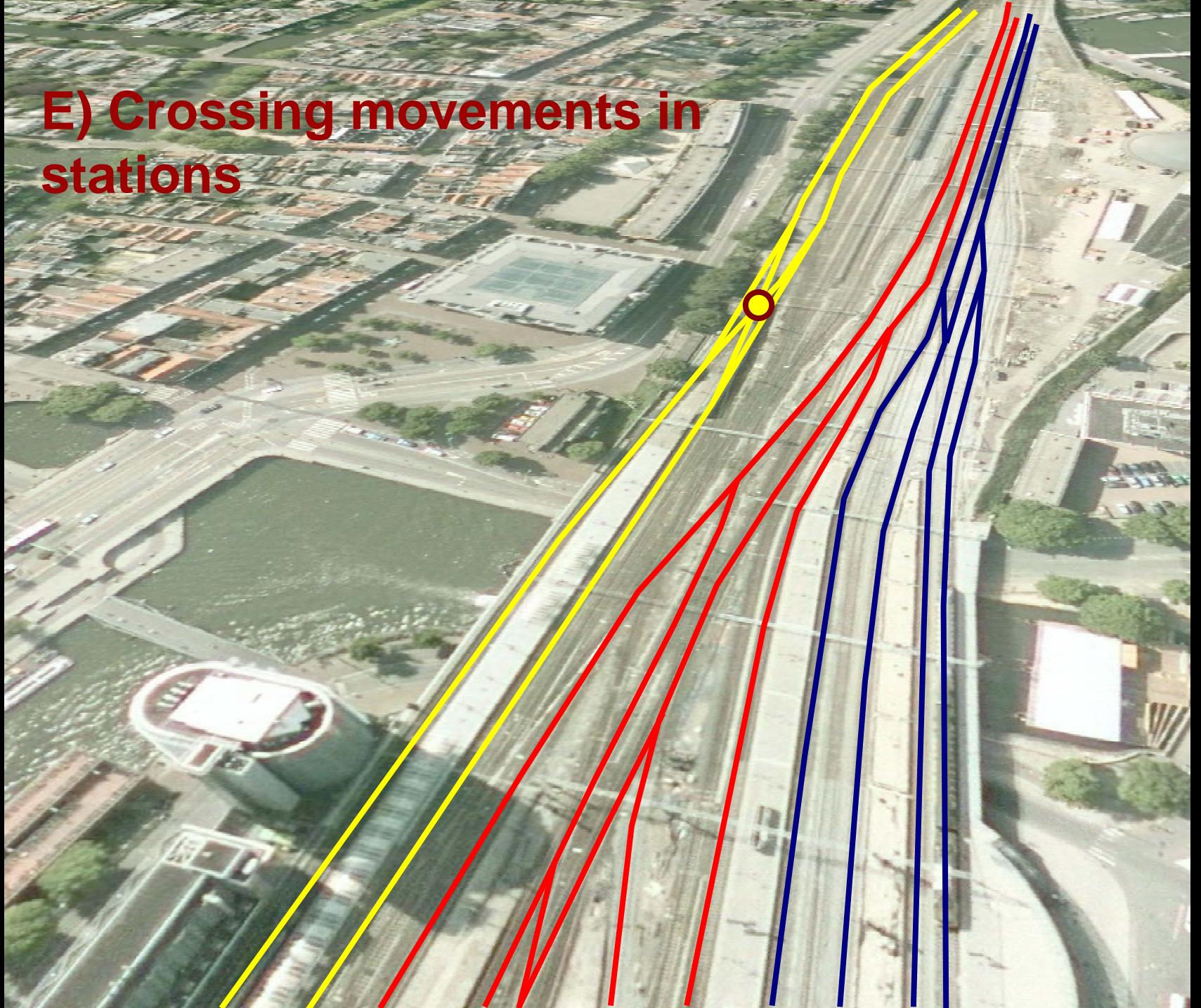
Aankomstvtg (min)

# E) Crossing movements in stations

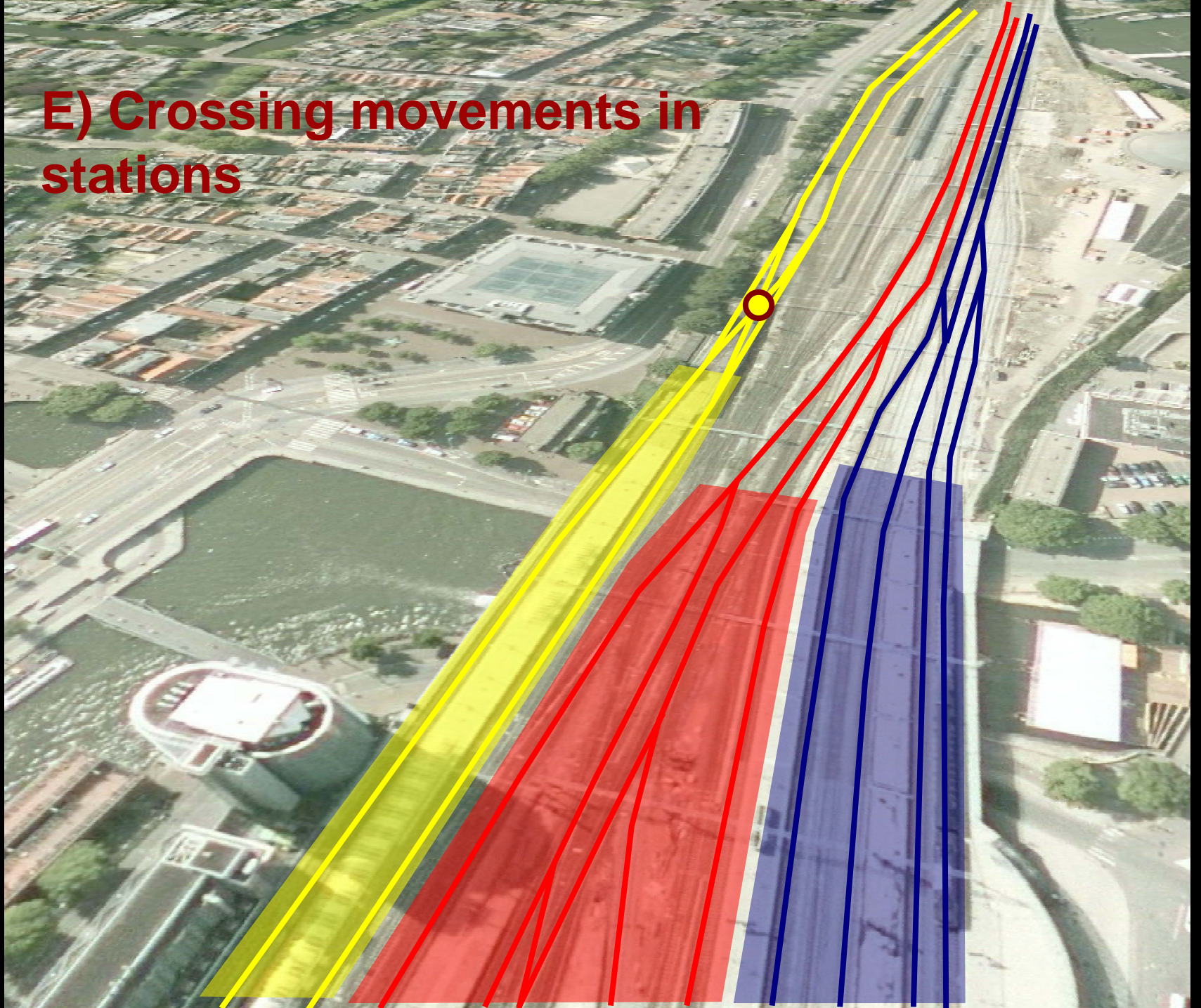




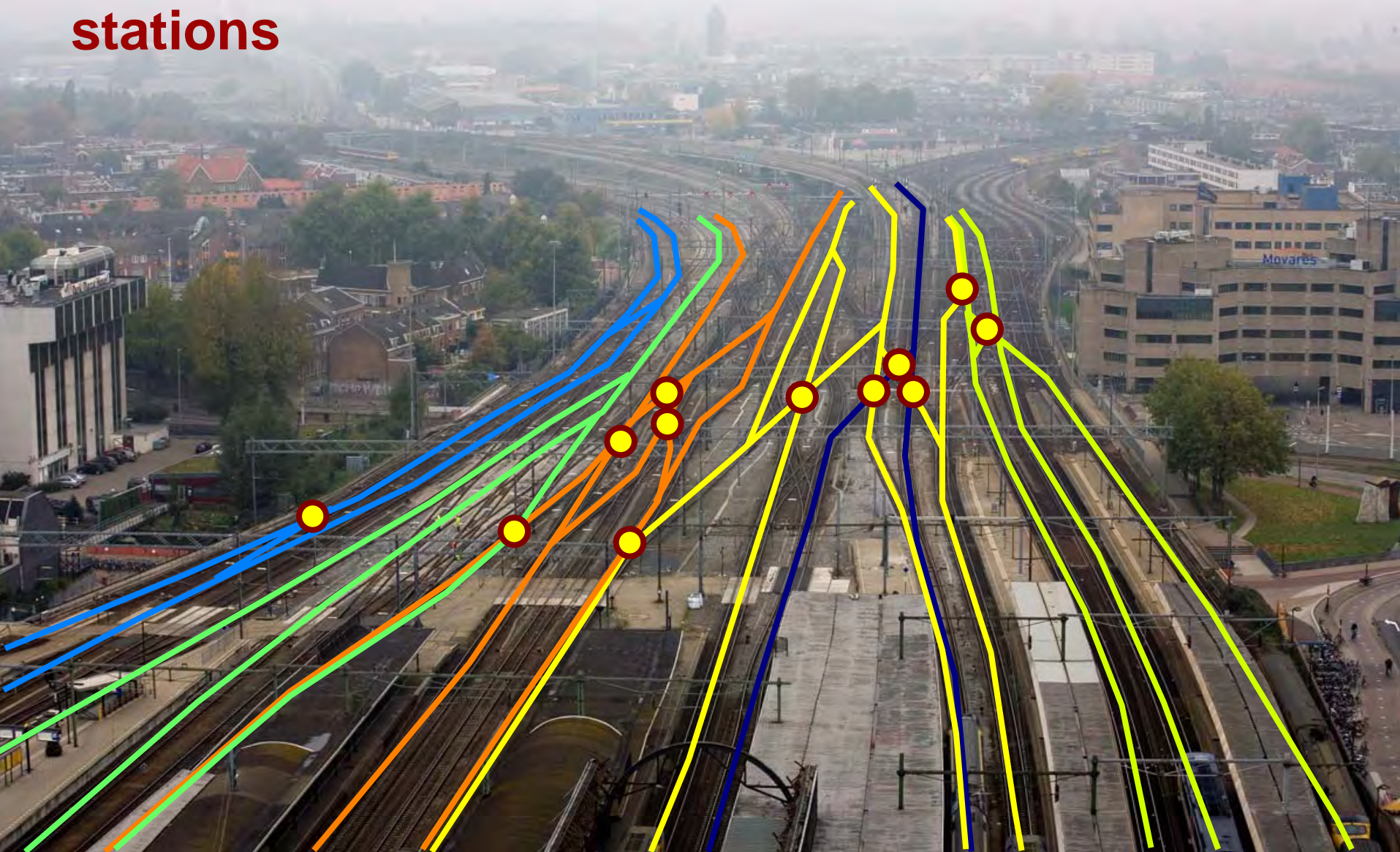
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