

What is *pgRouting*?







#### Real road networks

How do they look like?

Like this...





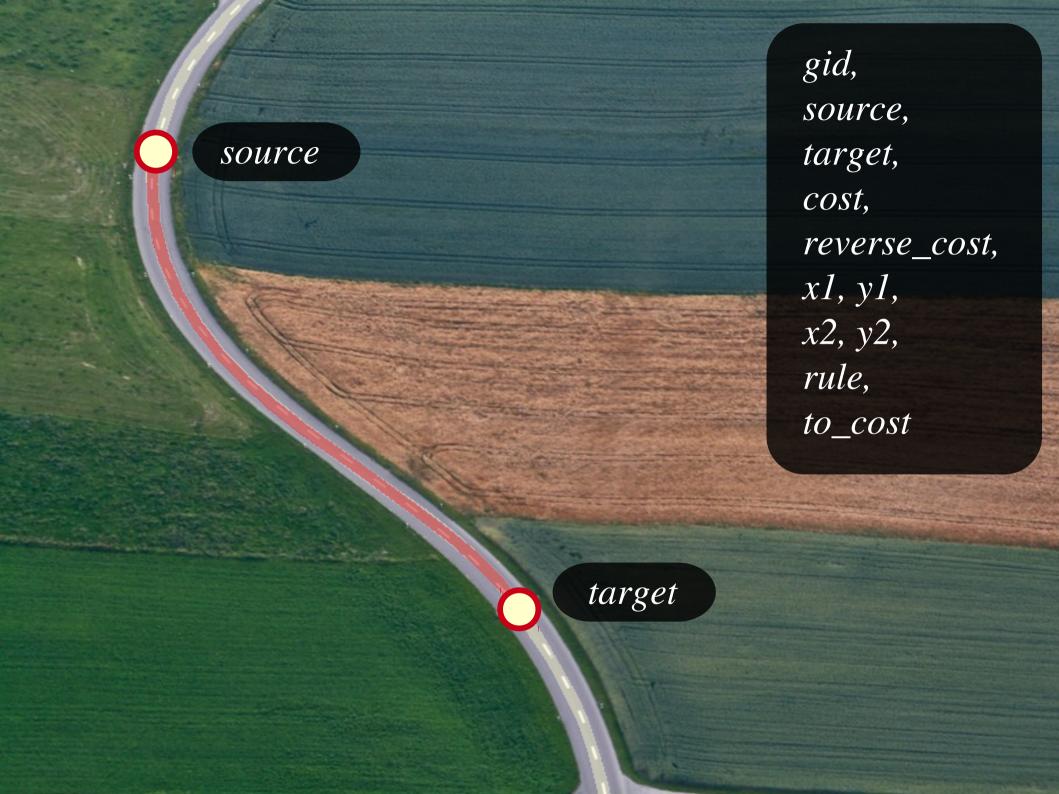


### What makes them real?



traffic lights signs road marking

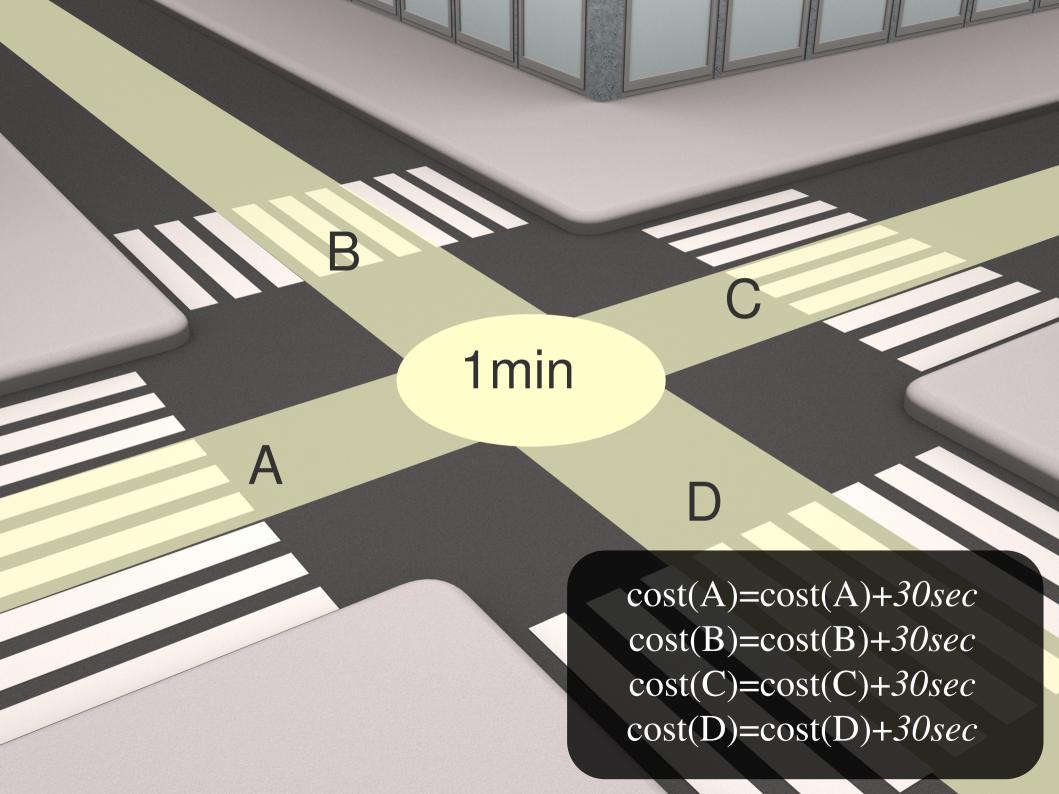
How pgRouting can help here?



## Traffic lights make you slower.



It means we should increase costs.





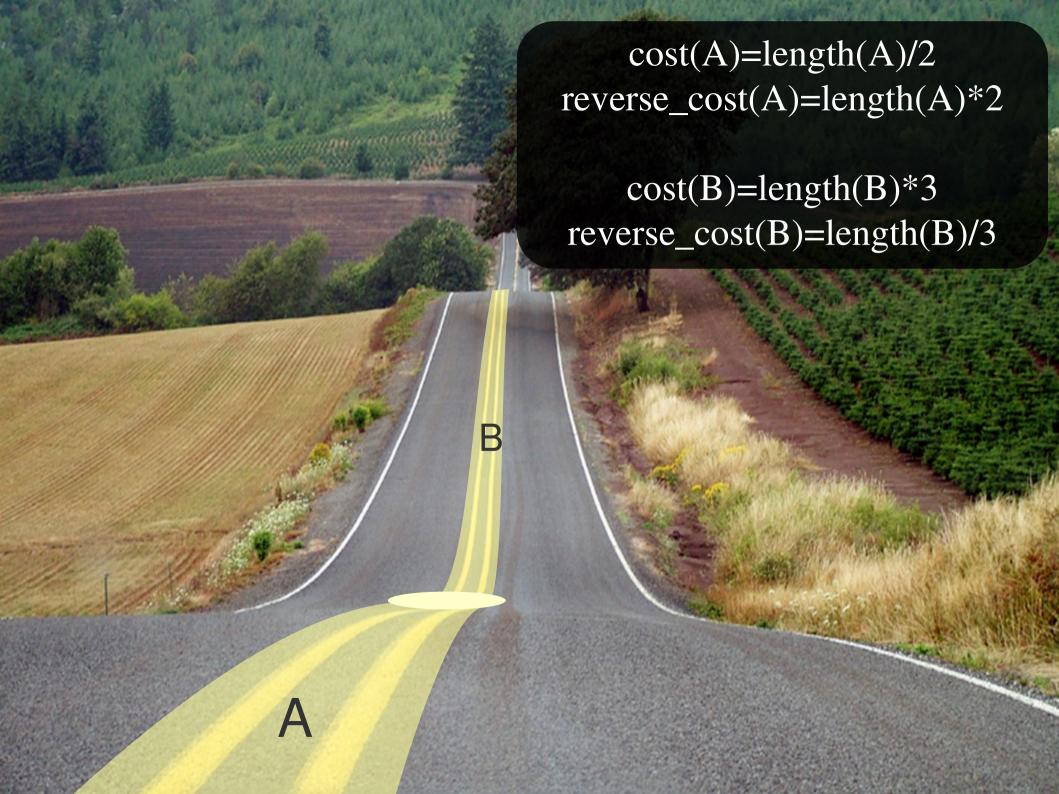
Signs tell you about restrictions and road types.

# ONE WAY



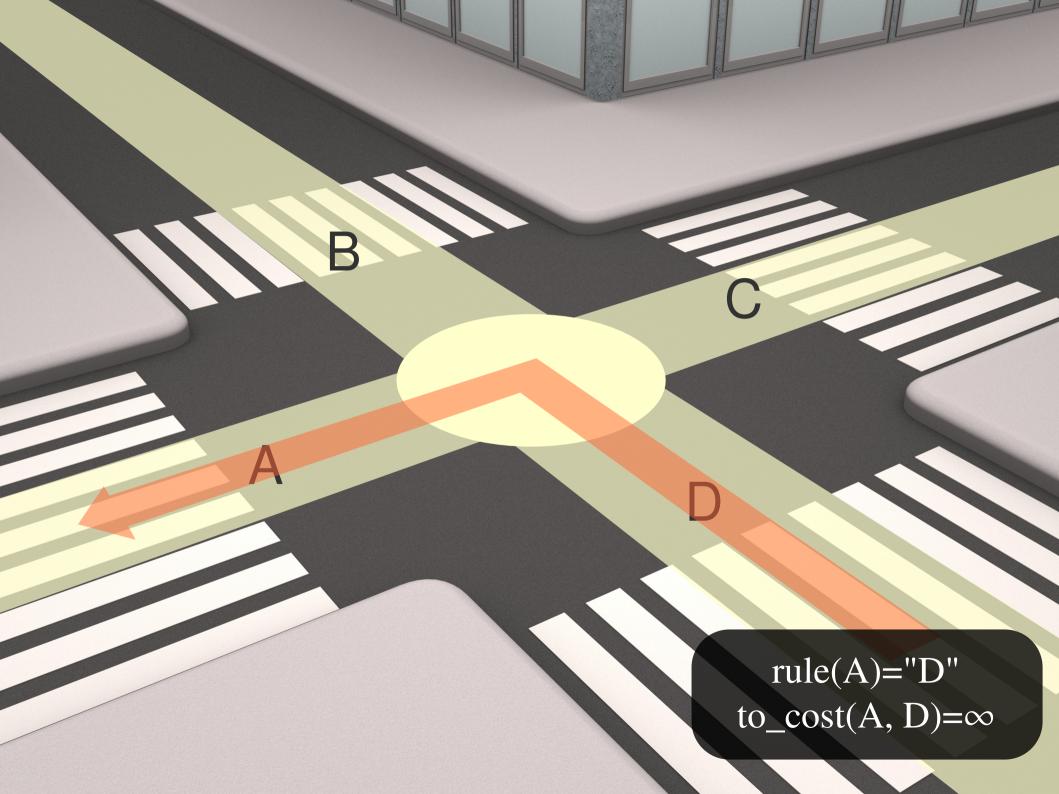


Sometimes the costs have different meaning.



Turn restrictions obviously restrict turns.





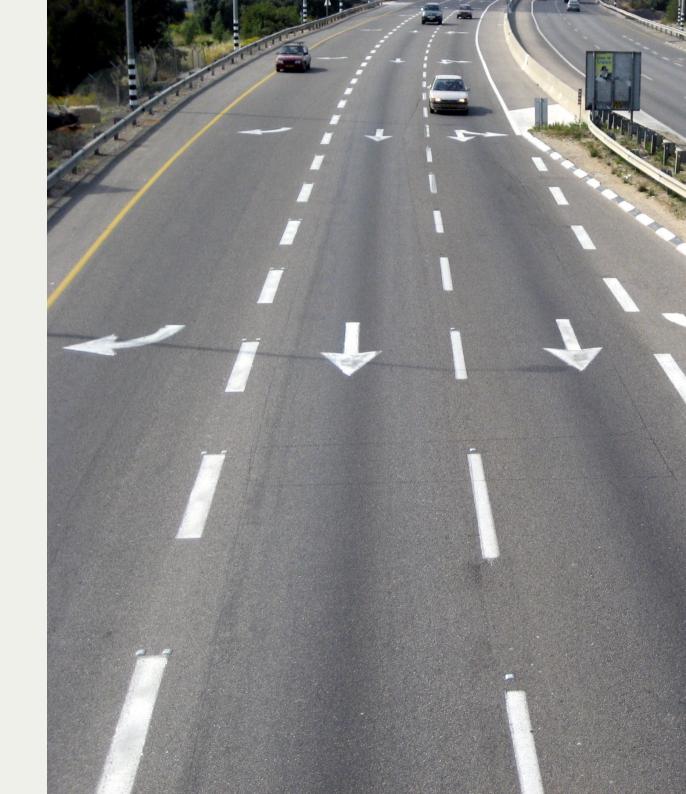
Road type signs can be used for cost calculation.





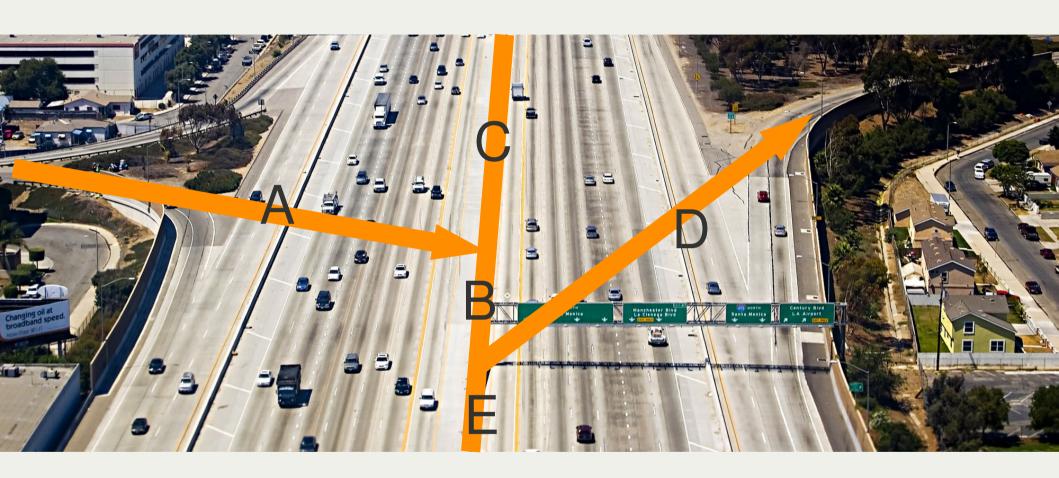


It separates lanes, ...





### ... and restrictions.



rule(D)="A, B" to\_cost(D)=
$$\infty$$

# And you know what's *cool* about pgRouting?

### All costs are dynamic.

Which is opposite to *pre-calculated*.





... a sign with restrictions *limited* in time, ...









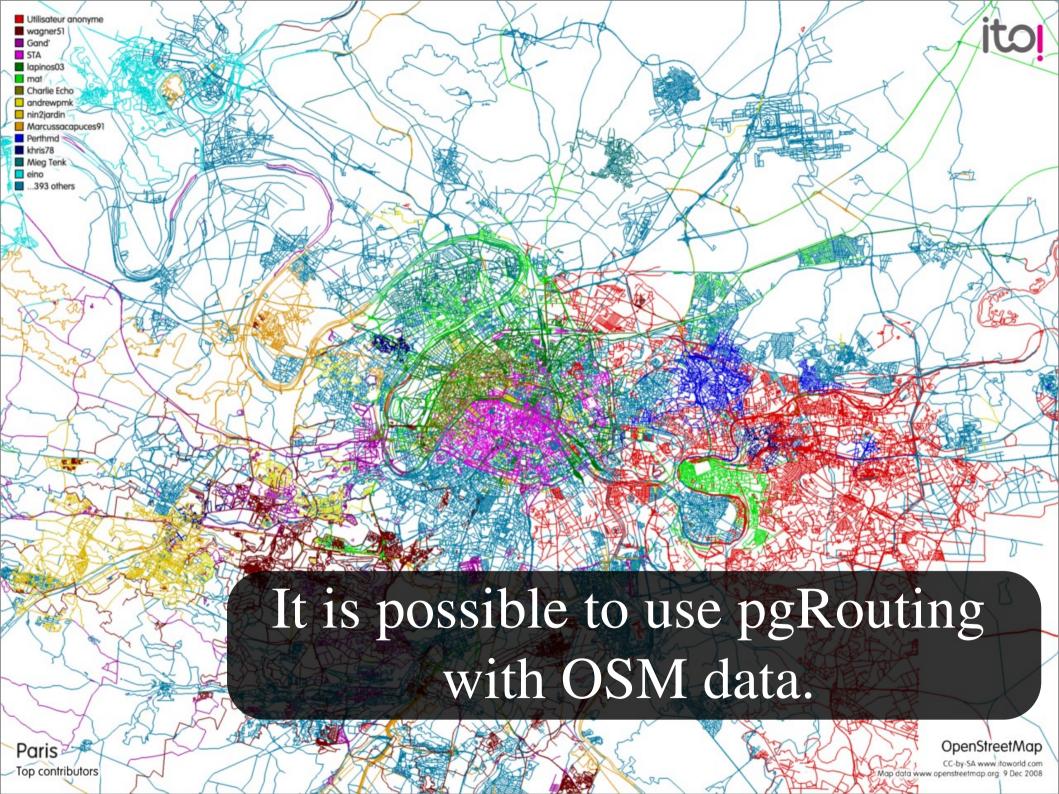


## You only need to *adjust the cost* for this particular road.

And next search will go another way.

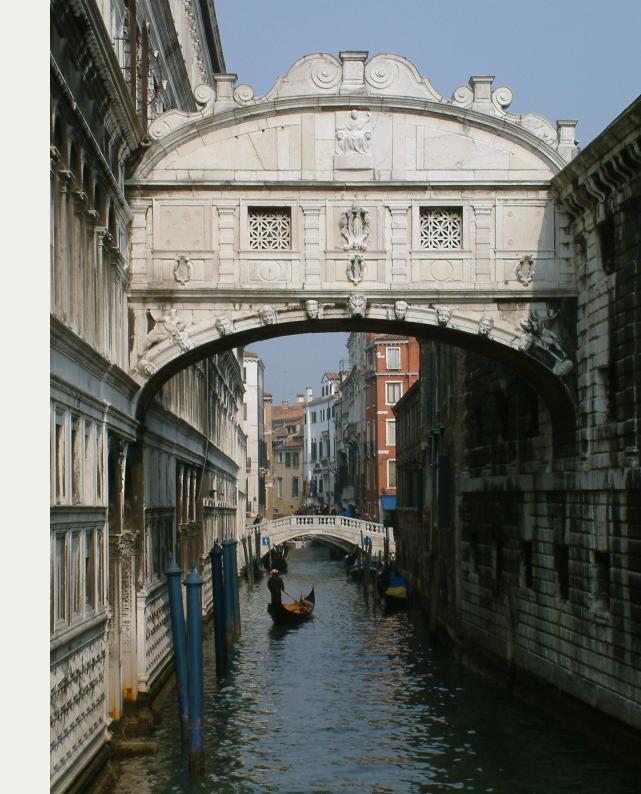


anything.



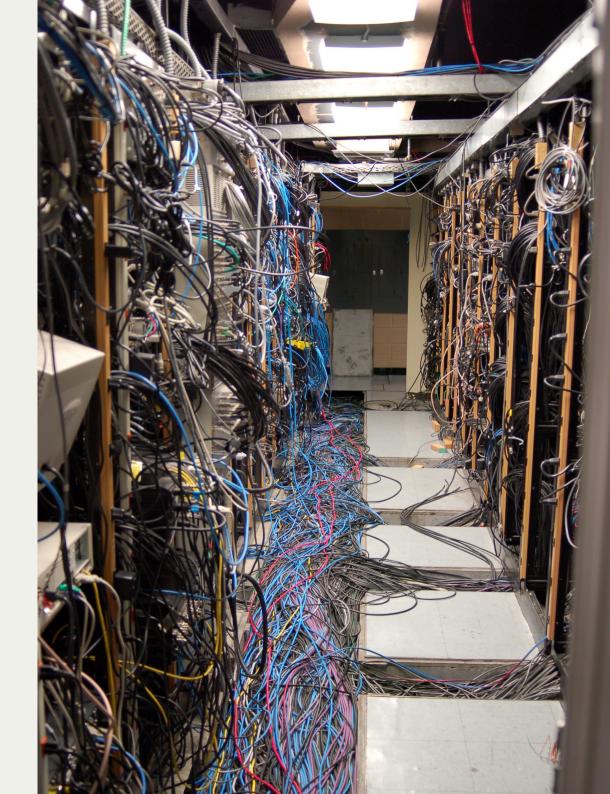
## pgRouting can be used for *different* kinds of networks.

Canals and rivers, ...





... or *any other* kind of network.



Now it's showtime!

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## Just want you to remember

pgrouting.org georepublic.de openvrp.com





