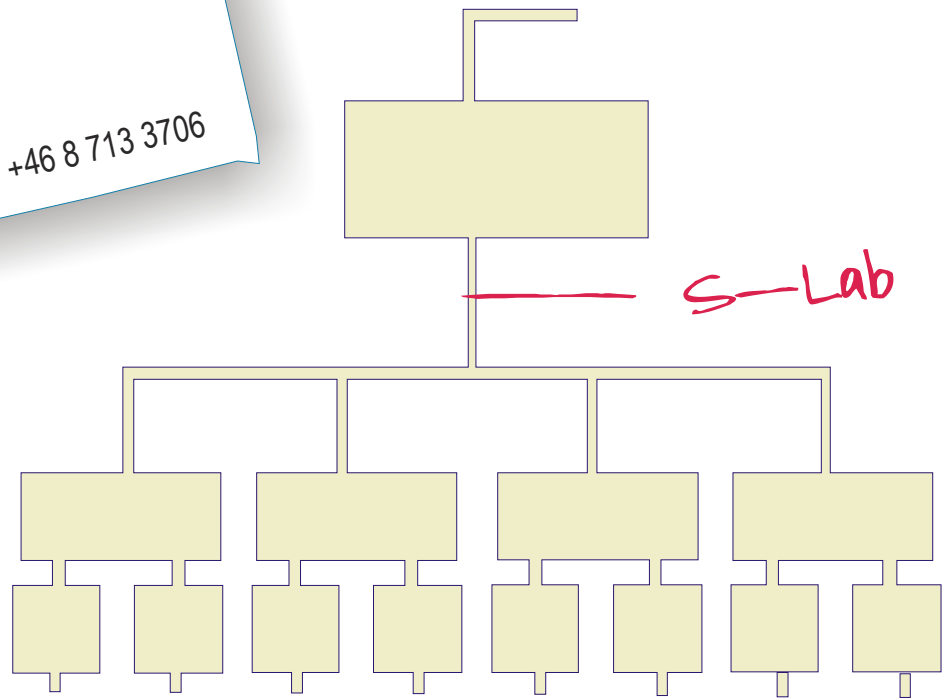


Headlines  
IPv6

~~Now~~

New network  
for new traffic  
and new usage

addresses



# Pressrelease

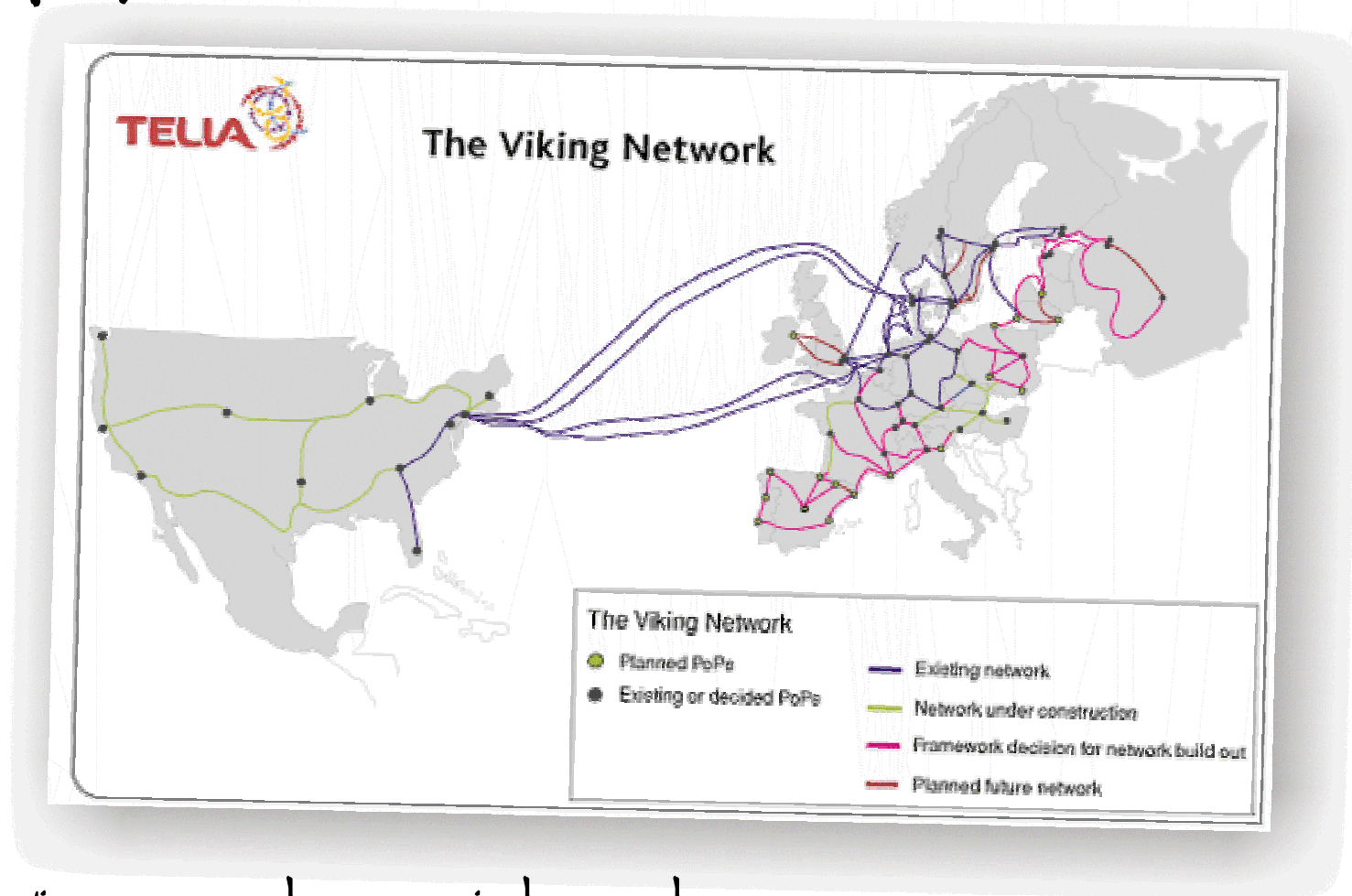
NOW  
Nordic region  
Core  
fixed access



NOW



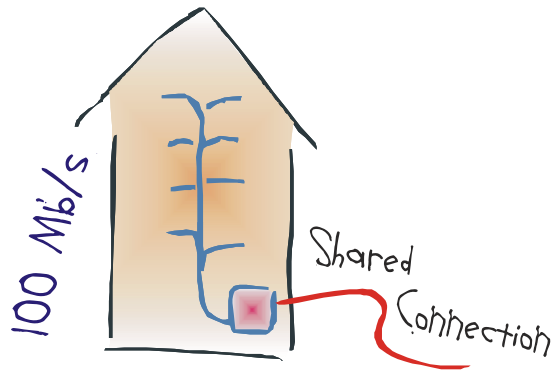
and next ...



Depending on customer interest  
short lead times

# what's cooking So .. why IPv6 ?

## Public Broadband Access



Always on  
"Real networks", real addresses  
— no peep holes

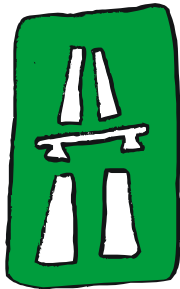
New usage patterns — e.g. P2P  
Drastically higher volumes  
— new business cases  
— new network cases

## Easy way out — a new network

# options:

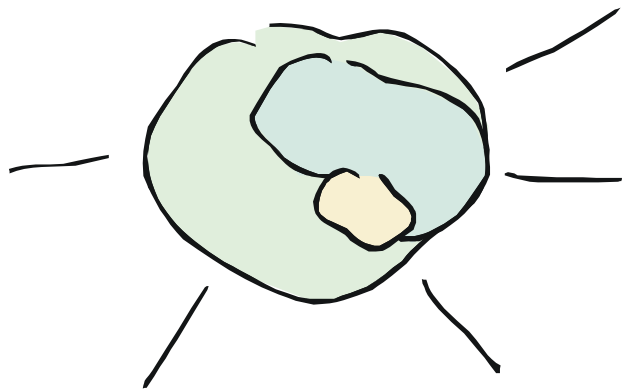


1: Complicate first — make it easier later if possible



2: Easy/simple to start — complicate than if necessary

Integration, overlay..



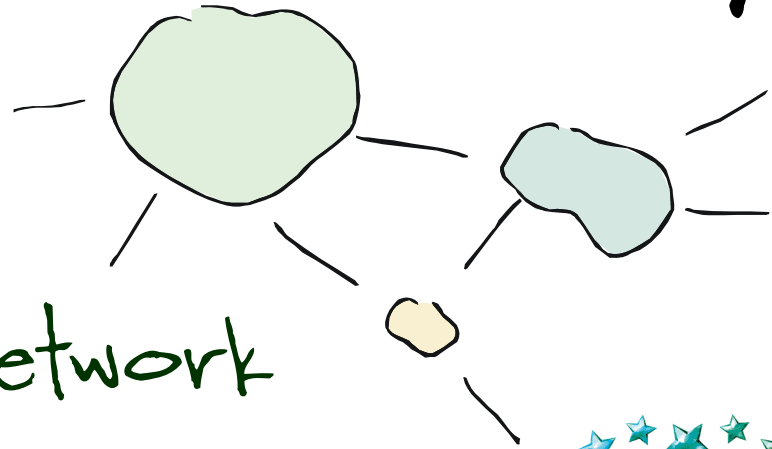
$$(x+y+z)! \gg x! + y! + z!$$

Why a new network

Many small problems are easier to handle — than one big

- complexitywise
- dimensioningwise
- managementwise
- retirementwise

or alternatively



Easy way out — a new network



skanova



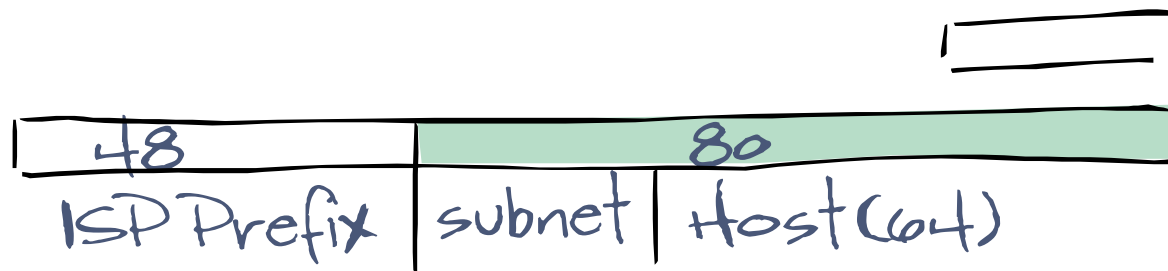
.. but still, why IPv6

IPv6 ::= Addresses

Auto config  
Mobility  
Sec  
XYZ

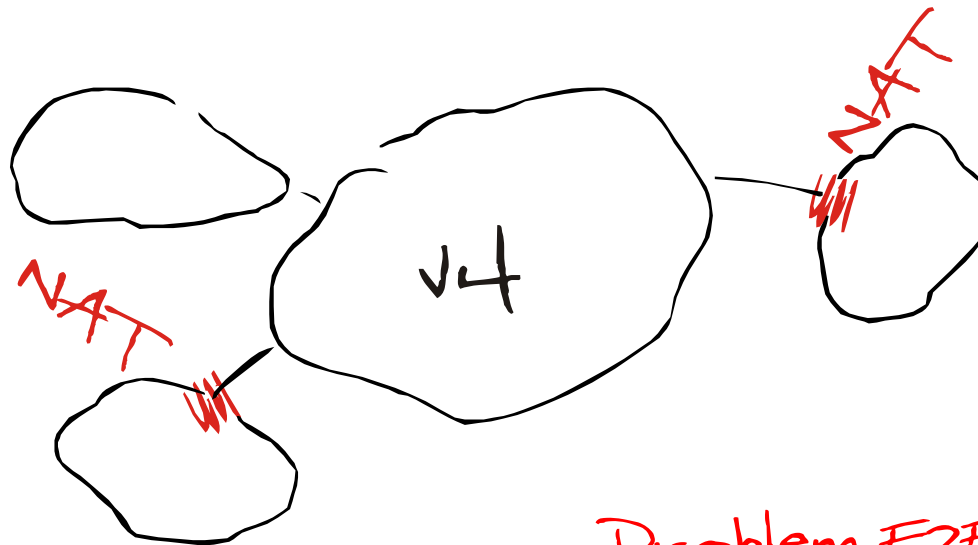
Bonuses

Lots of addresses, real addresses  
to residential users



IPv4 32  
IPv6 128 bitar

# NAT as an alternative

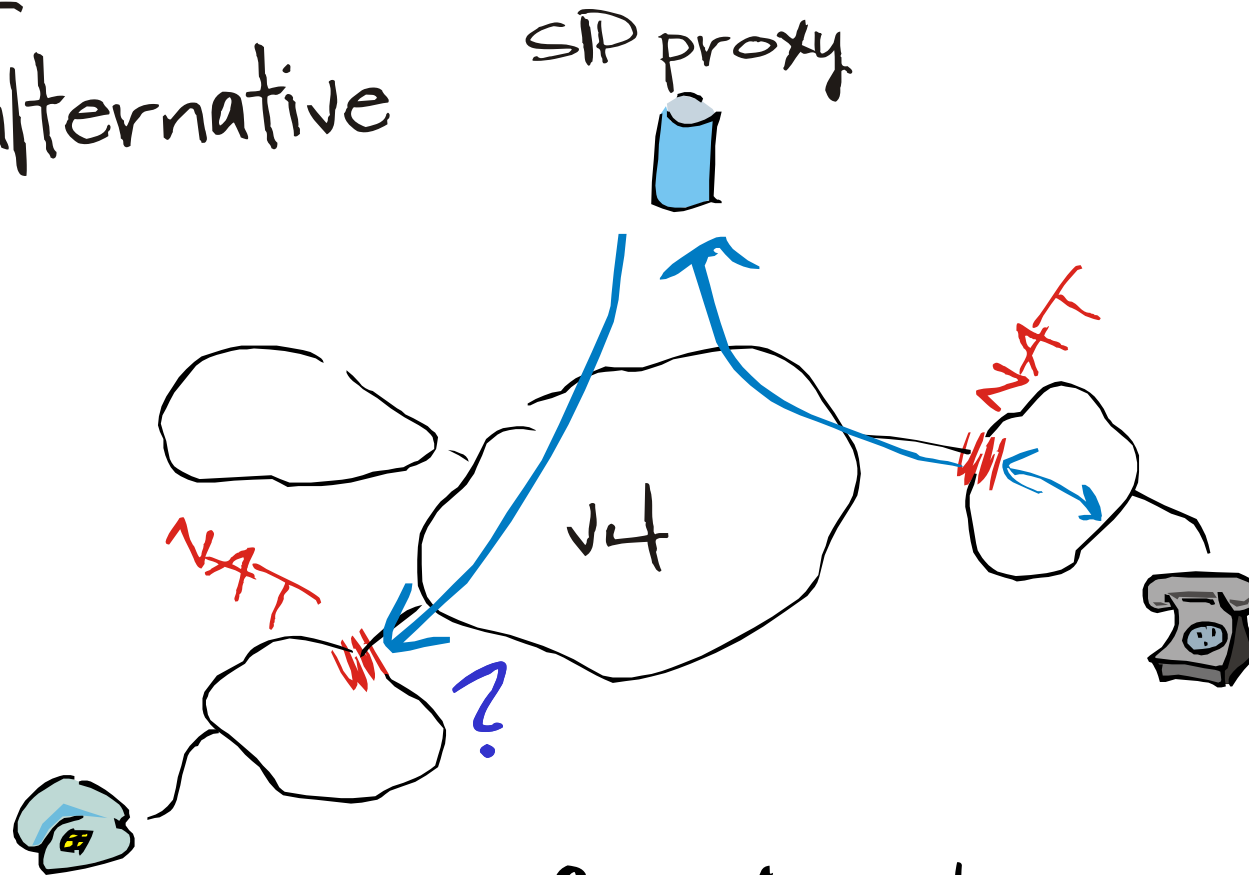


Problem E2E

Adds complexity —  
req advanced conf

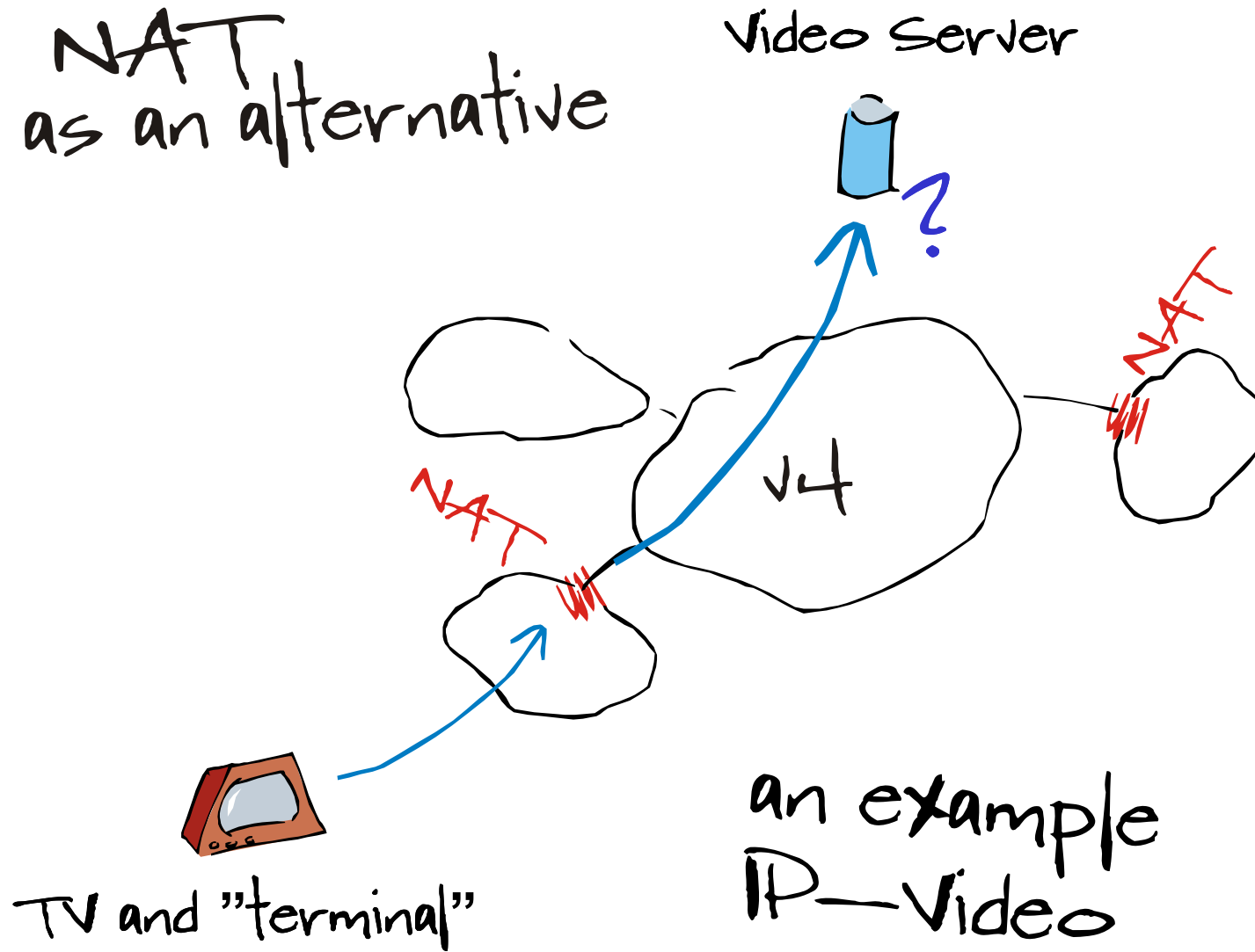
May block future services

# NAT as an alternative



an example  
IP-Telephony

# NAT as an alternative



# Drivers

Different for core and access

Core Requires a new architecture  
soo, why not v6

Access addresses and addresses, ..  
"space to thrive"

Now, how to .?

(we have v4 and are going v6)

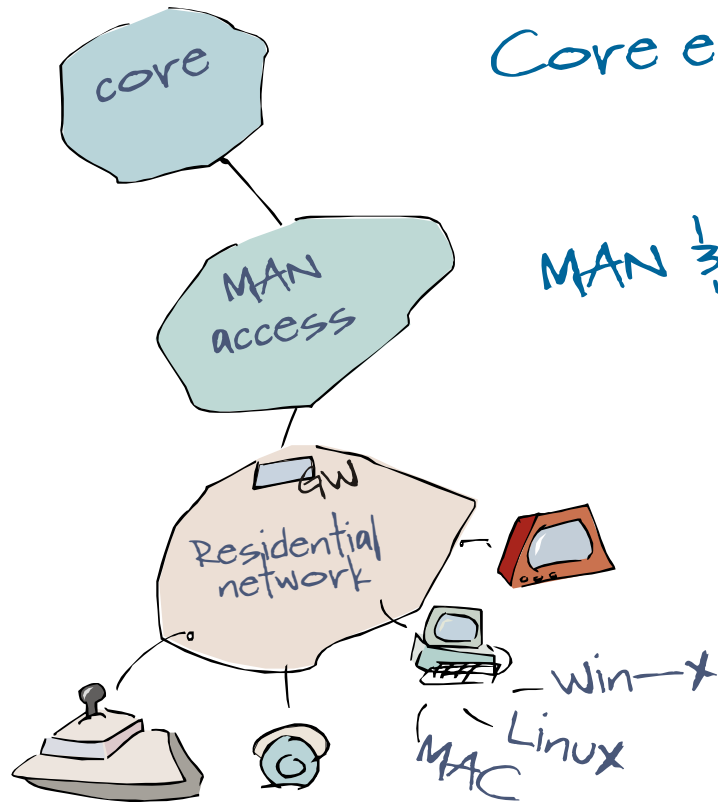
core Dual stack, 6 over 4, 4 over 6,  
Separate nw, (core-less)...

access Dual .., 6 over 4, etc, etc?

native is simpler

# Is it time .. is technology ripe

enough standard  
around



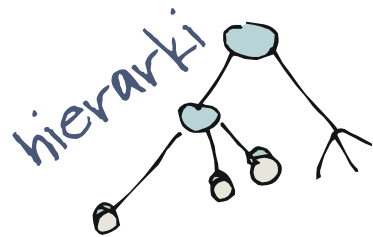
Core equipm —  
emerging

MAN  $\frac{1}{3}$  Access  
emerging

Residential networks, software  
And equipment  
less available

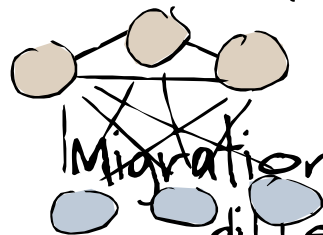


# Some problems/opportunities

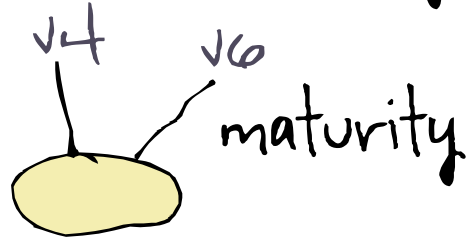
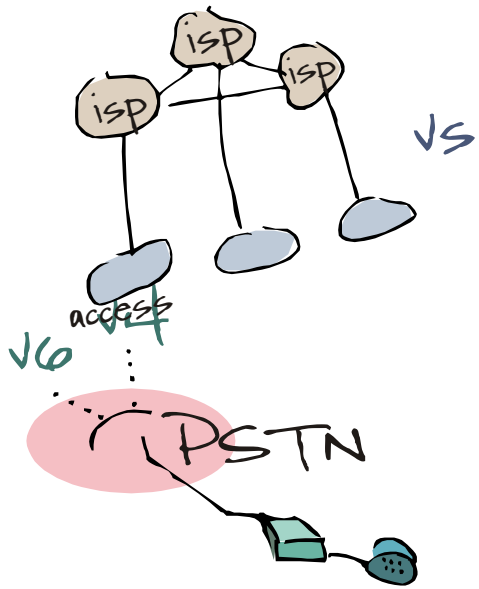


v4 legacy — structure assumed hierarcical models  
 client-server,  
 mesh  
 multihoming

v.s.



Migration strategies for access/periphery  
 — different for dial up and fixed access  
 — grows by time



So...  
what's in it 4 us

Overcome the catch—22

Show supplier that it is  
now for real

Help our customers  
to get going

We want to be in the  
lead

Start with core — T — service  
"broadband—core"

Nordic corner — 1

Europe — 2

The world — 3

Headlines  
IPv6

NOW

New network

for new traffic  
and new usage

addresses