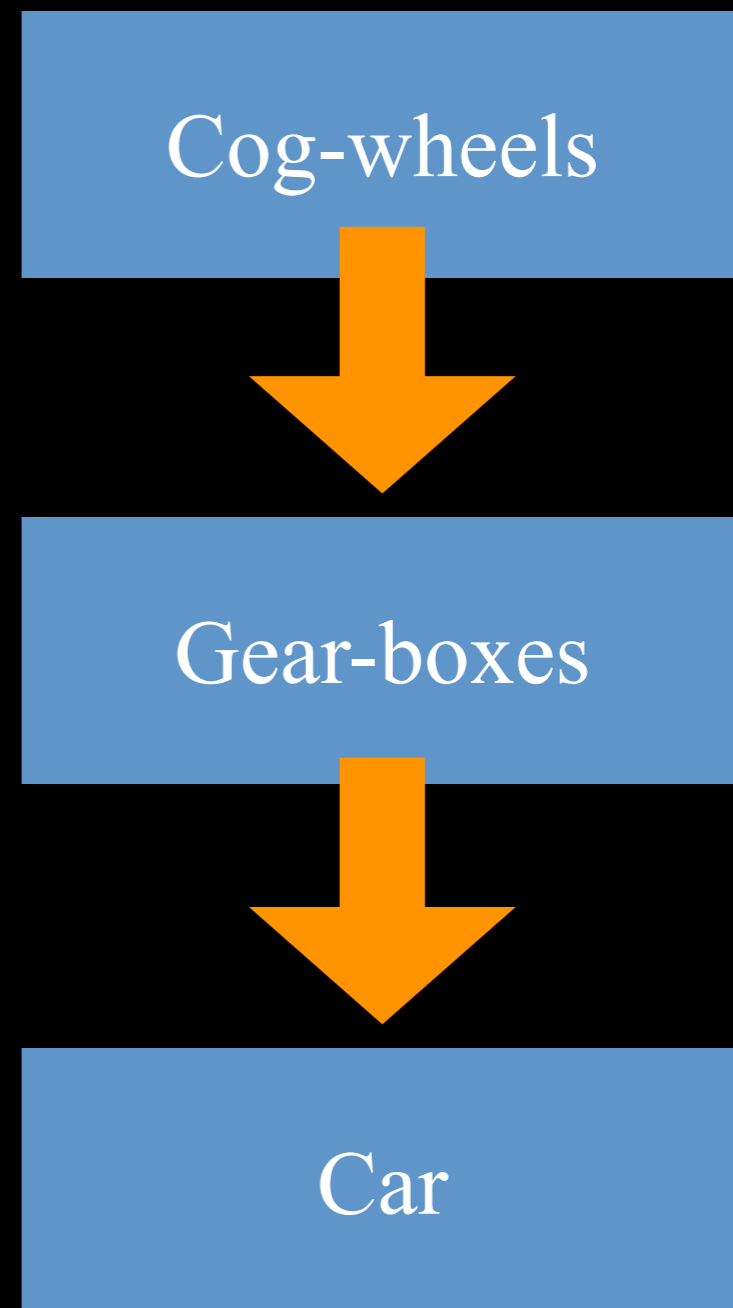


Work flows and supply chains

Terms in a supply chain

- If the car manufacturer starts making gearboxes we have upstream integration
- If the Cog-wheel factory starts making gear boxes we have downstream integration

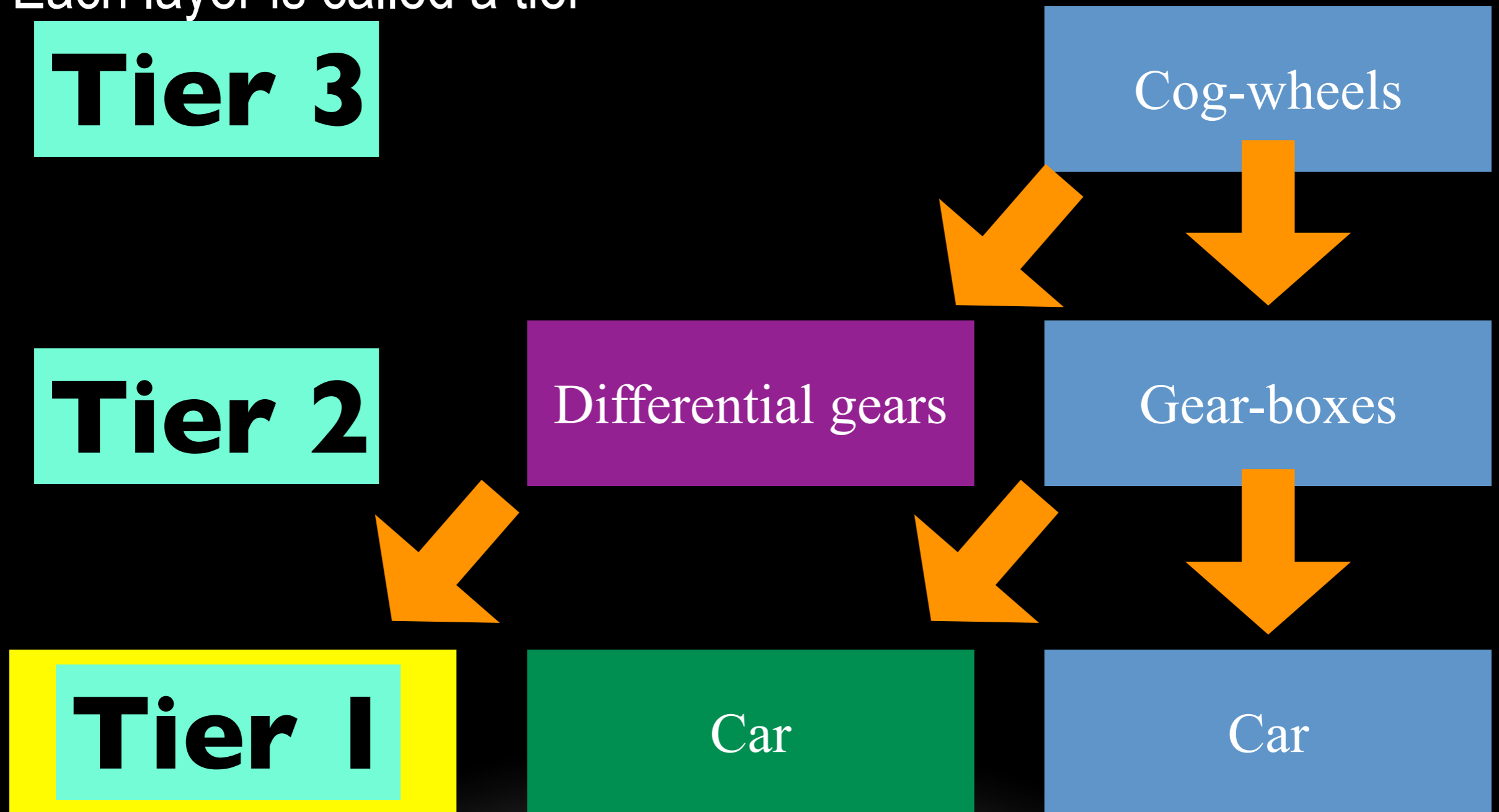
Downstream
integration



Upstream
integration

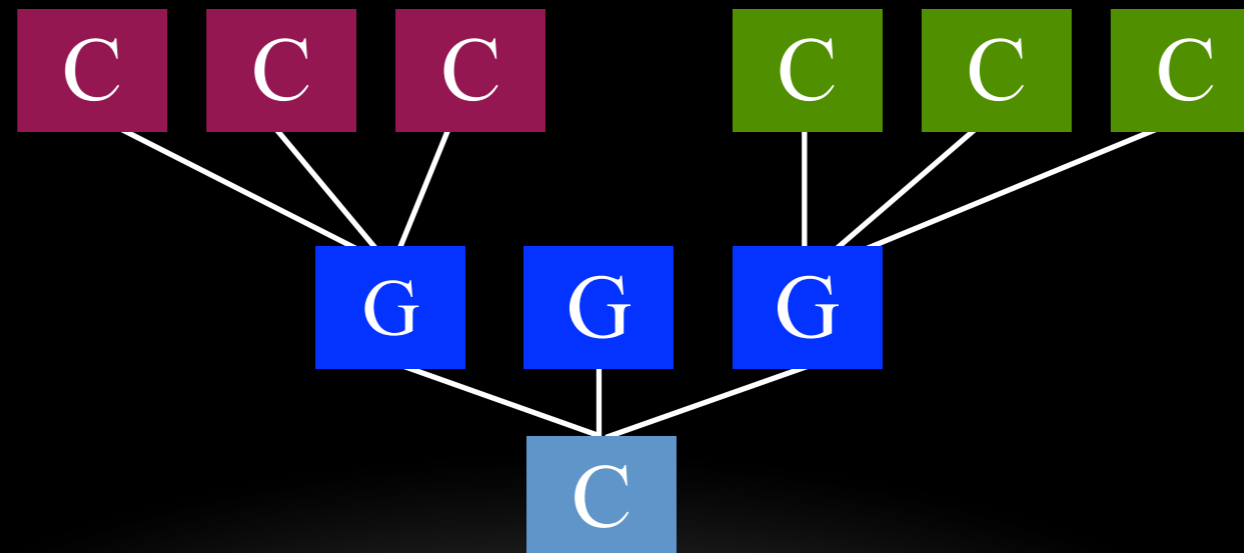
More terms

- Each layer is called a tier

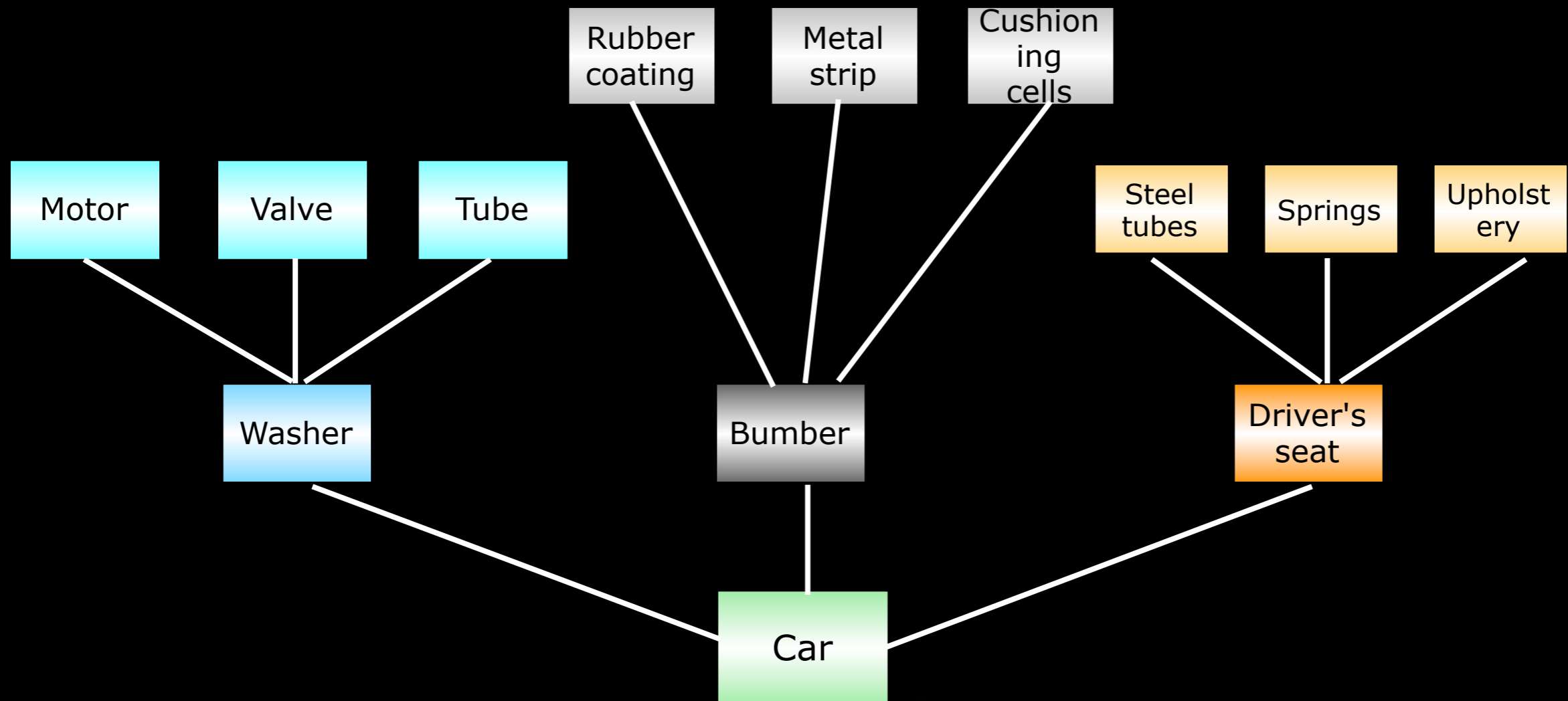


Strategies in tiers

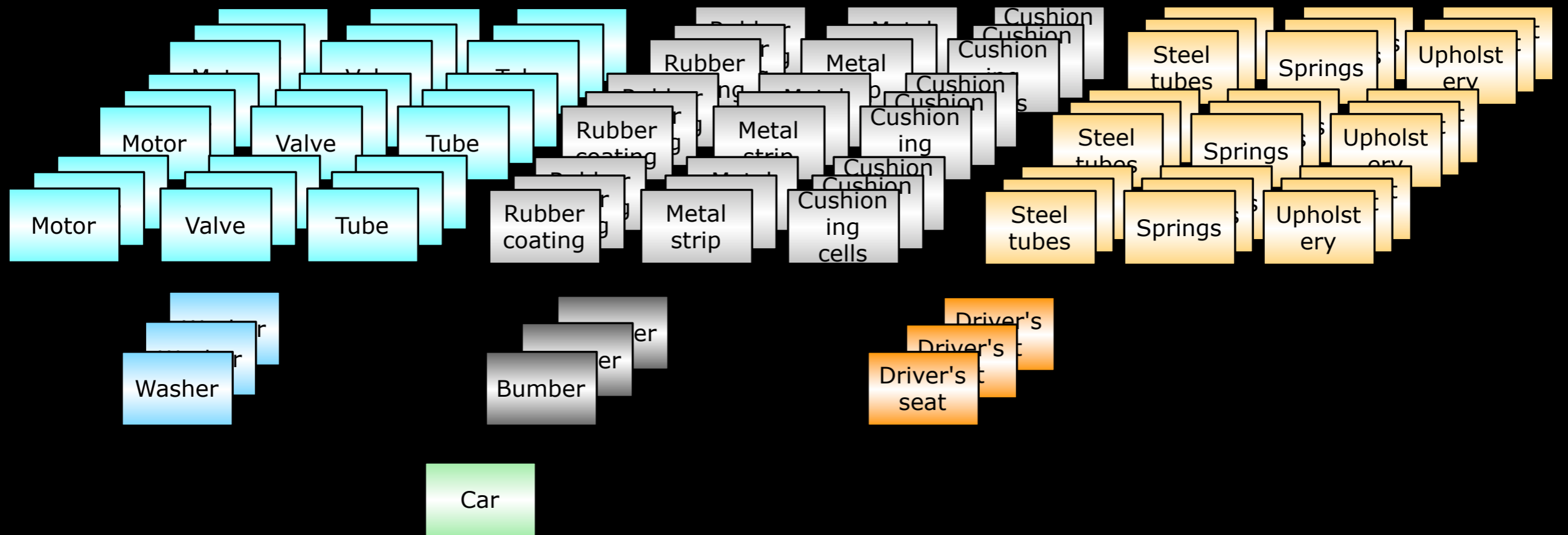
- Timing in a supply chain is critical. Therefore it is important with fast and reliable deliveries.
- Therefore each company have many companies who can deliver in each tier
- This applies for every part in the car



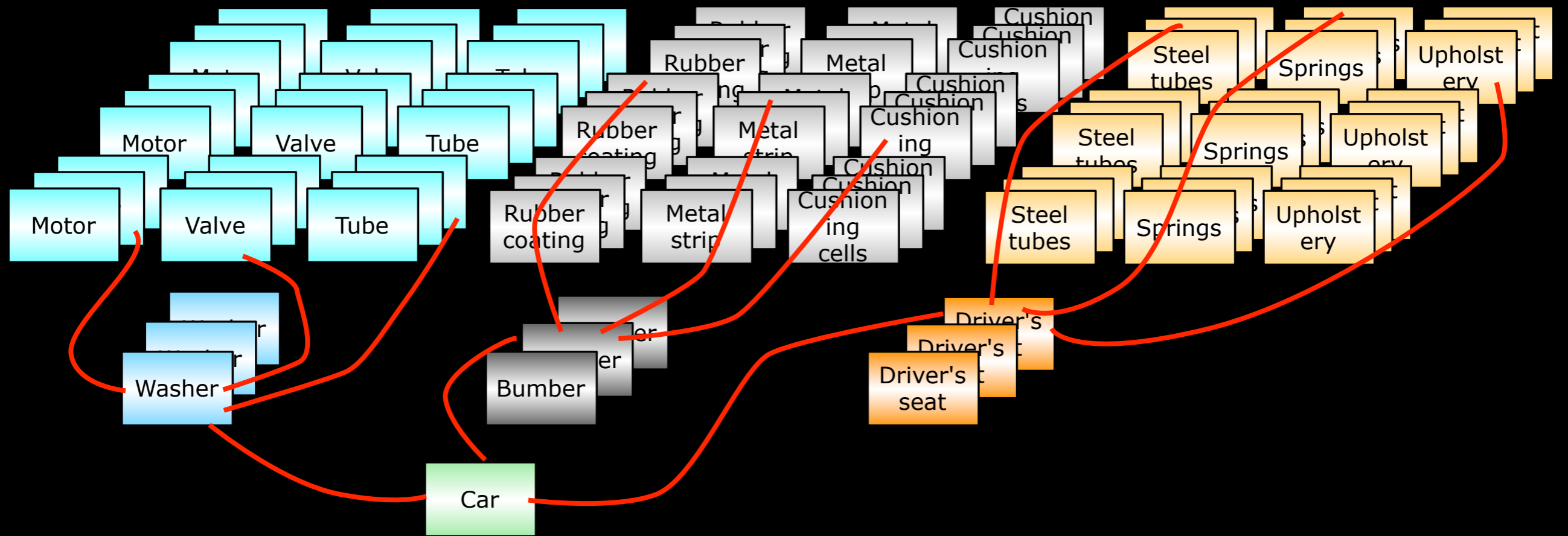
Workflow, part list



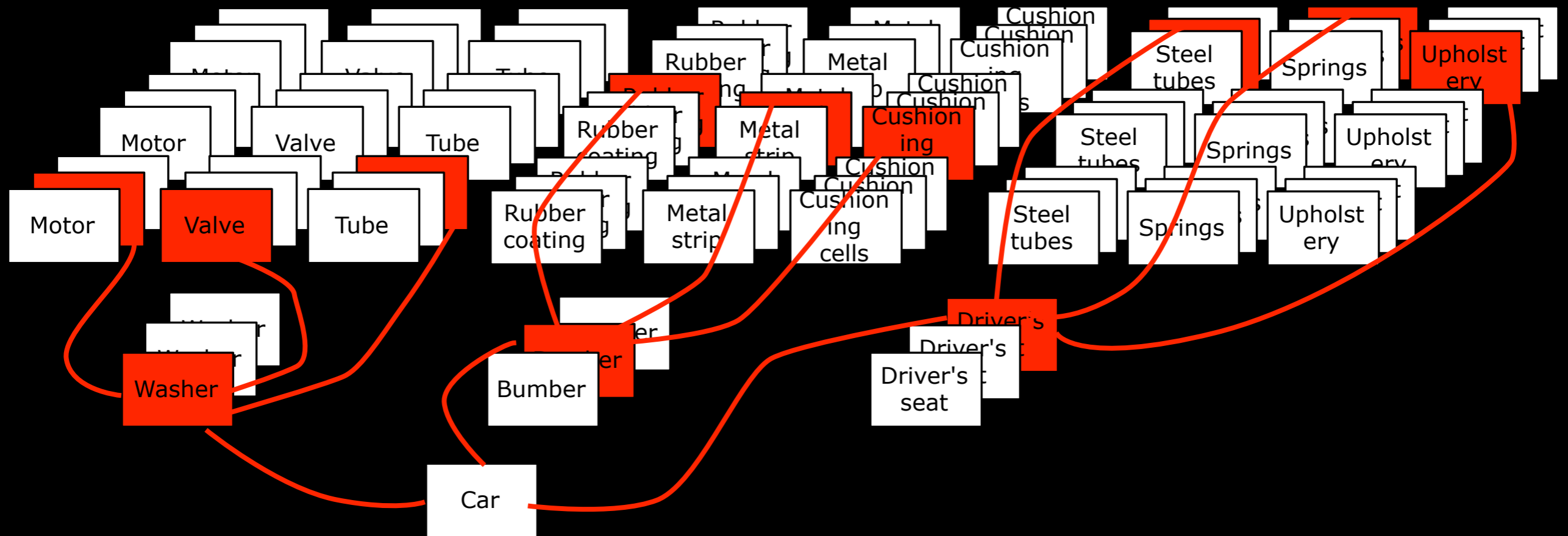
Workflow, alternative suppliers



Workflow, enactment



Enacted (formed) workflow



Workflow

- A workflow is enacted and then executed
- Principally only once, because the products are very tailormade, only a few copies of each is manufactured
- If something unforeseen happens then the workflow has to be re-enacted
- In this chain everything is controlled from the customer side
- We see even in this small chain, there are millions of combinations!

Turning it upside down

- You could very easily turn the chain upside down and consider it from the most basic parts.
- For instance plastic tubes used in a window washer could be used in a lot of other things.
- Hence, the object should be described in a fairly abstract way so similarities might be discovered.
- This is discussed in <http://www.perflensburg.se/BidragIRIS28.pdf>

Workflow turned upside down

