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ALCATEL Short-cuts for model creation

- What do you do if you can't get a model?
 - Extract pin list from CAD symbol
 - Figure out buffer types from datasheet
 - Use a buffer from a similar component...
 - take a guess at Vcc, Icc and Trise
- In many situations, results obtained with these models are good enough.
- Not recommended for novices.

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Simulation can be time consuming.

- Condense information of IBIS file for use in design rules:
 - Output impedance (what value series resistor?)
 - short-circuit current
 - clamping diodes (can I interface from 5V to 3V directly?)
 - critical length (when do I need to terminate?)
 - Pull-up and bus-hold inputs.
- Example: crosstalk rules

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