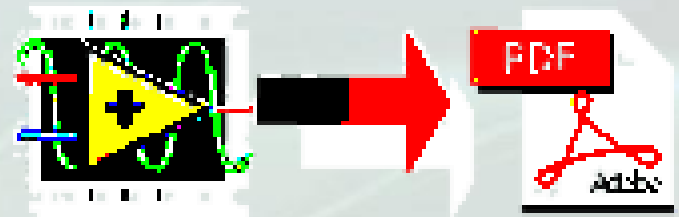




Carya Automatisering Delft

- Test- en Meetopstellingen
- Olie & gas t/m lucht- & ruimtevaart
- Pilot plants: farmacie, chemie
- Projecten en ondersteuning





Agenda

- **10 Tips**
- **Very simple tips**
- **Not easy though**

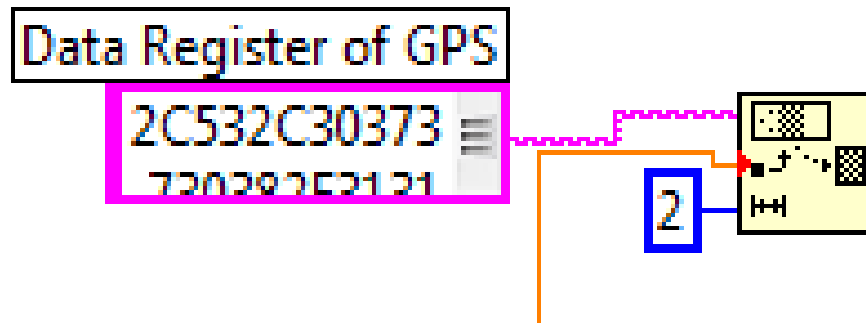


10 Simple tips

1) Straight wiring

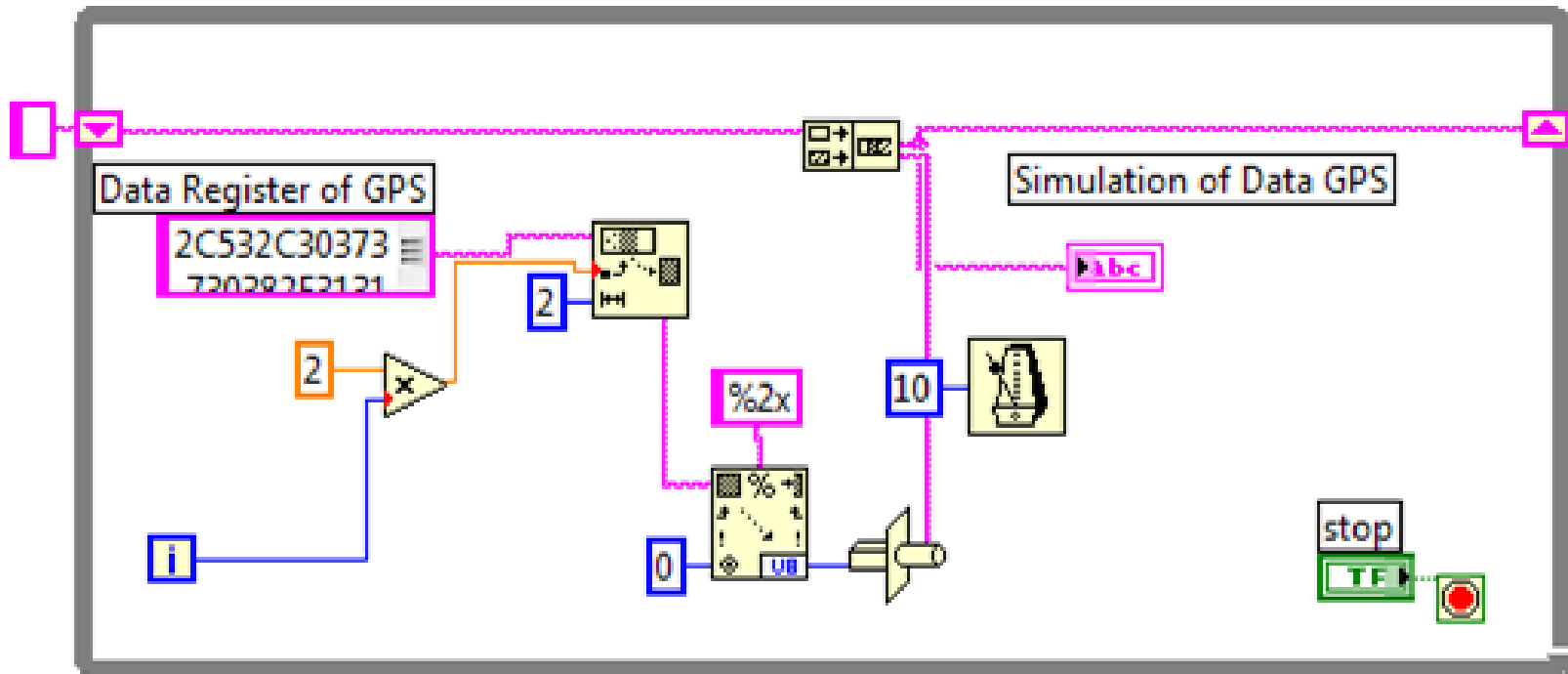


Straight wiring



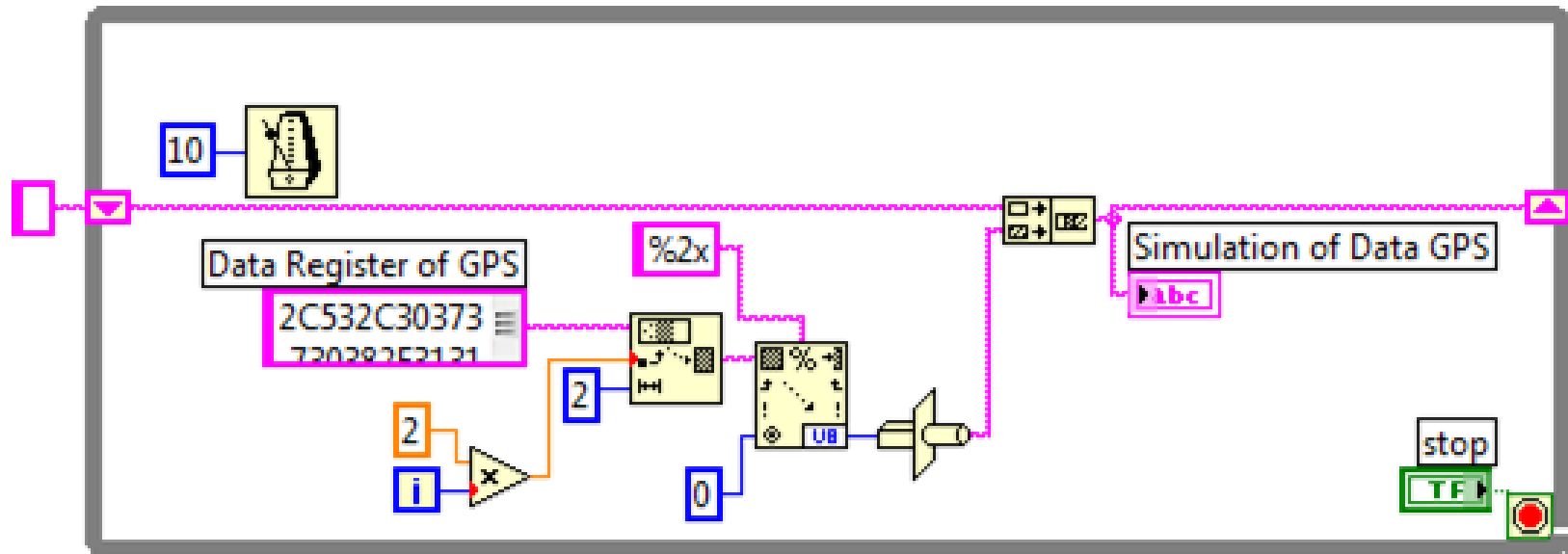


Straight wiring



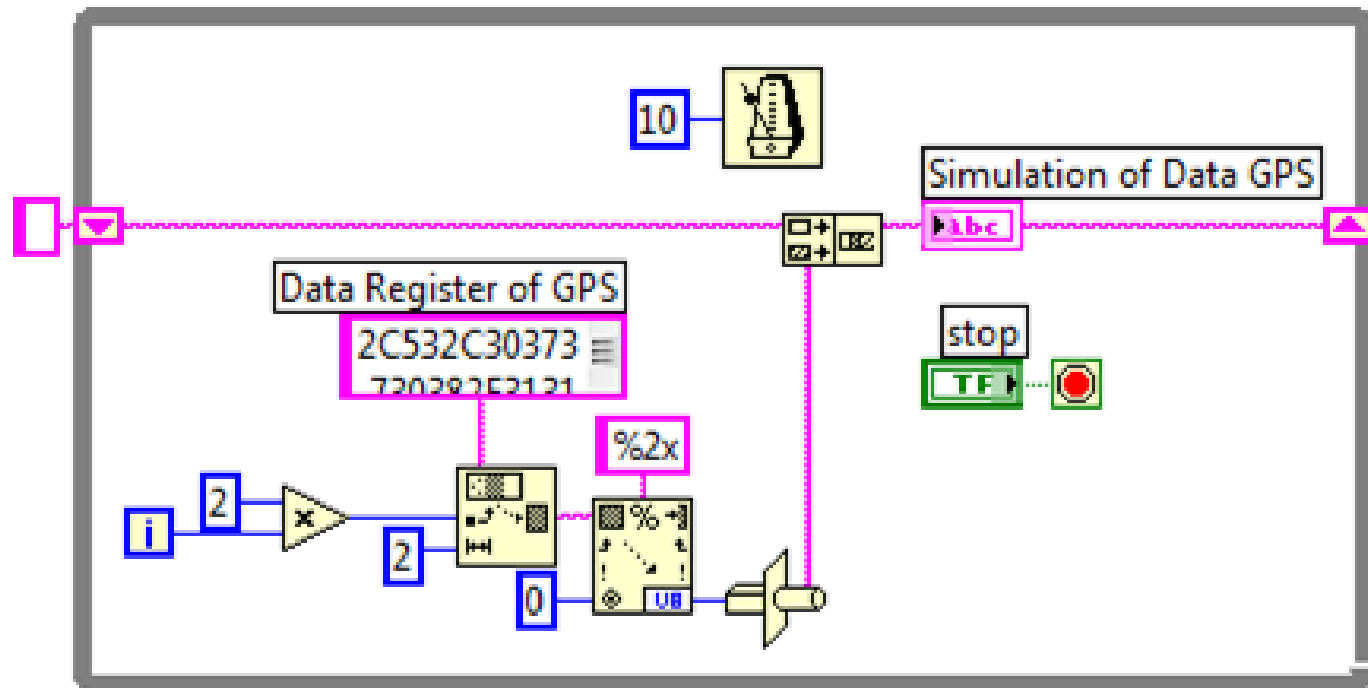


Straight wiring





Straight wiring



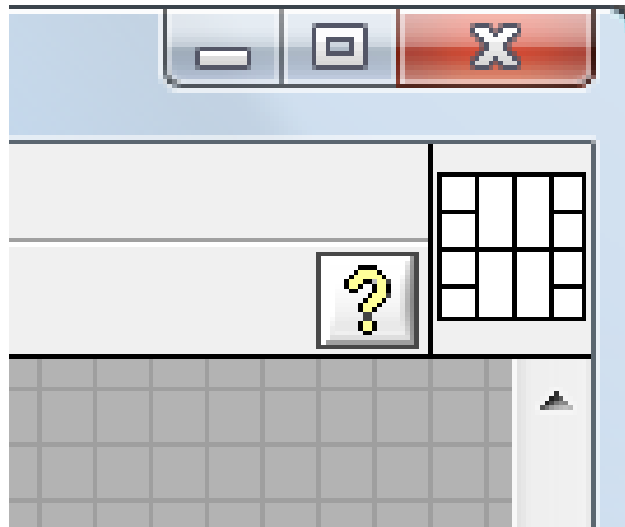


10 Simple tips

- 1) Straight wiring**
- 2) Connector pane**

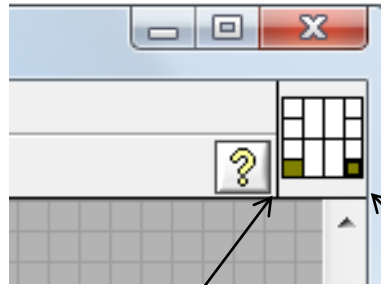


Connector pane





Connector pane



error in (no error)

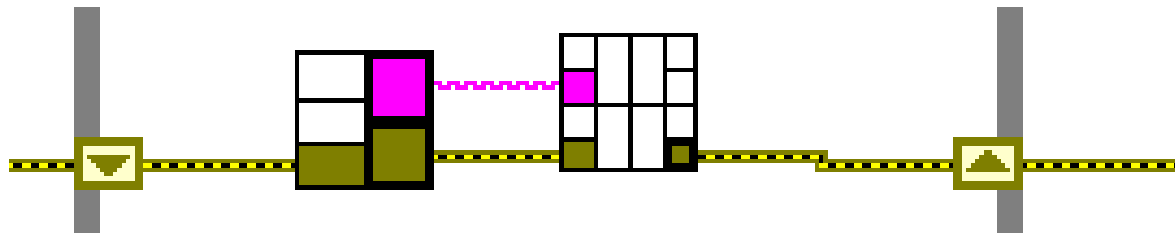
status	code
	d0
source	
<div></div>	

error out

status	code
	d0
source	
<div></div>	

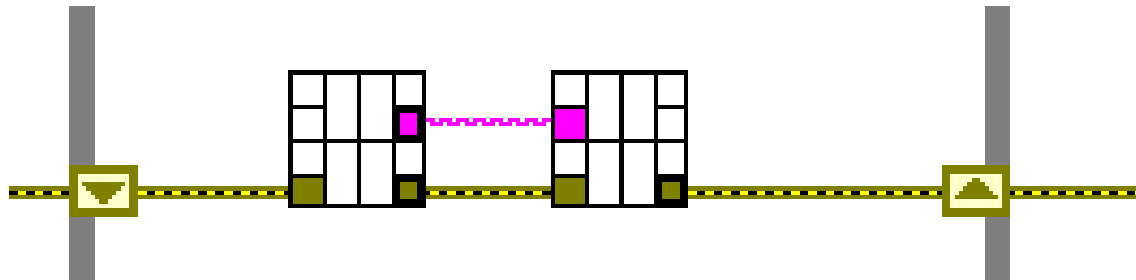


Connector pane





Connector pane



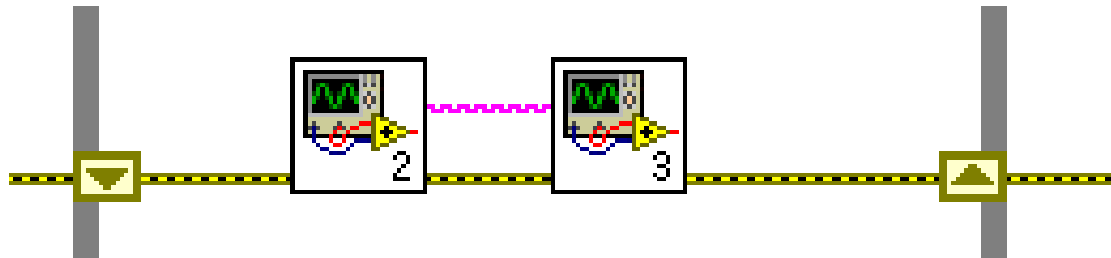


10 Simple tips

- 1) Straight wiring**
- 2) Connector pane**
- 3) Set the icon**

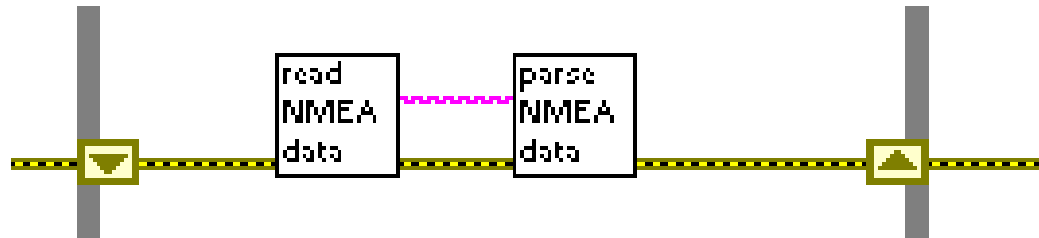


Set the icon





Set the icon



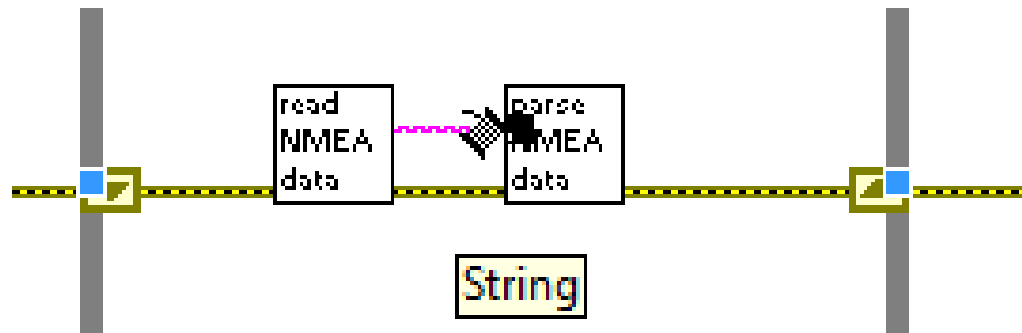


10 Simple tips

- 1) Straight wiring**
- 2) Connector pane**
- 3) Set the icon**
- 4) Proper terminal names**

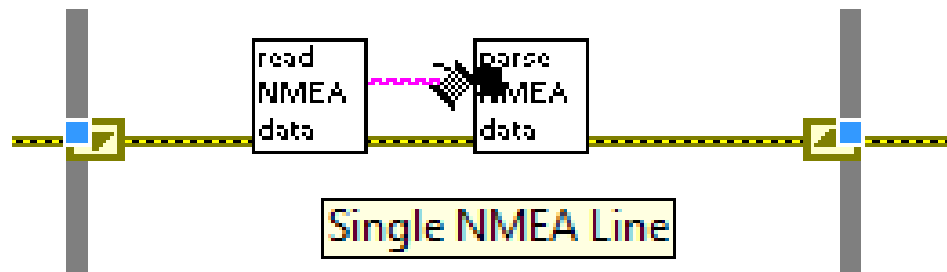


Proper terminal names



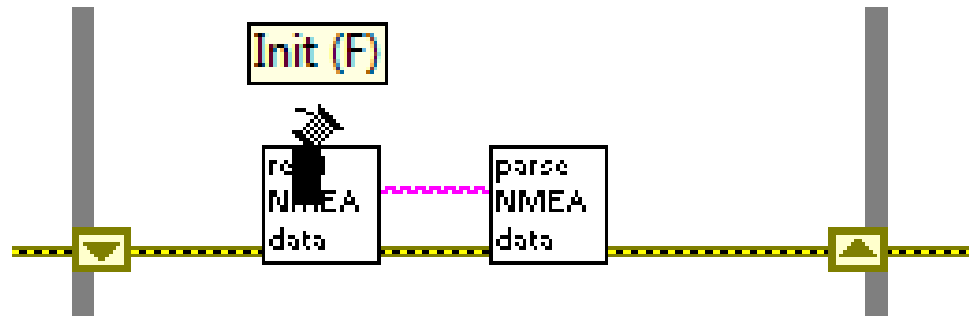


Proper terminal names





Proper terminal names



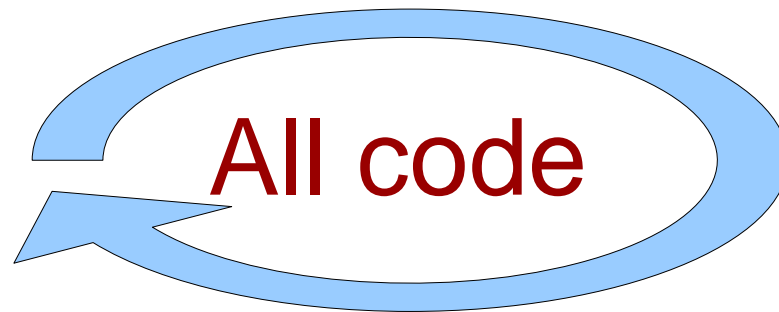


10 Simple tips

- 1) Straight wiring**
- 2) Connector pane**
- 3) Set the icon**
- 4) Proper terminal names**
- 5) Devide (and conquer)**

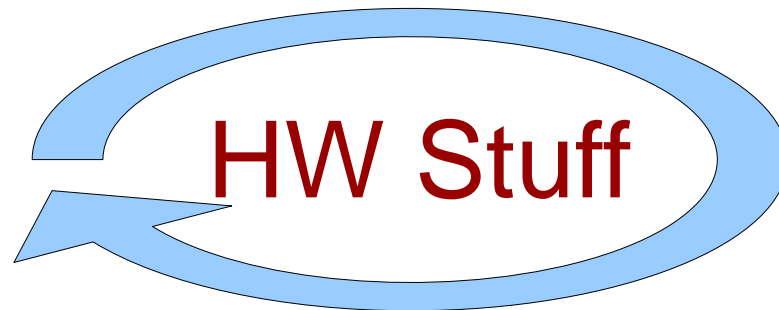


Devide (and conquer)





Devide (and conquer)





Devide (and conquer)

- **Dynamic VI's**
- **Parallel loops**
- **Proper sub VI usage**



Devide (and conquer)

- **State machines**
- **Consumer / producer**
- **Dynamic VI's / VI Server**

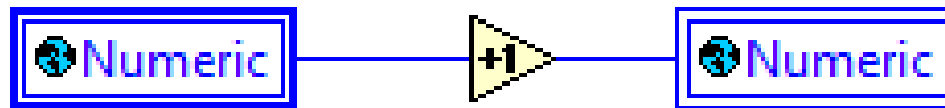


10 Simple tips

- 1) Straight wiring**
- 2) Connector pane**
- 3) Set the icon**
- 4) Proper terminal names**
- 5) Devide (and conquer)**
- 6) No globals**

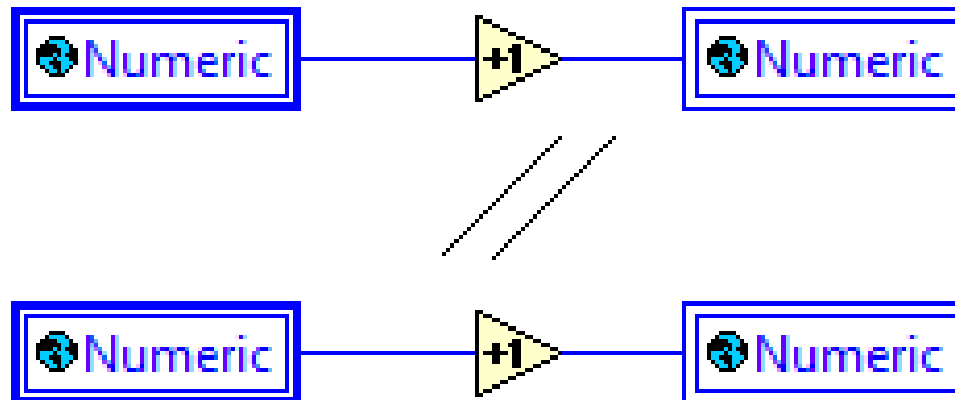


No globals





No globals



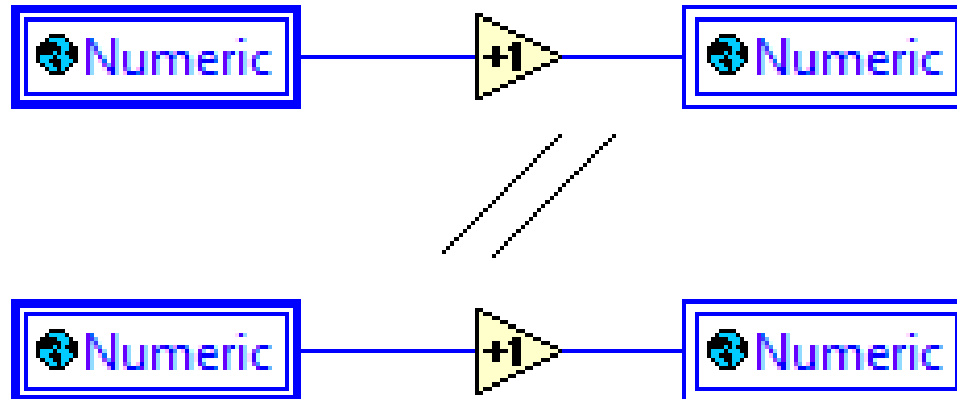


No globals

Numeri
C

=

1



Numeri
C

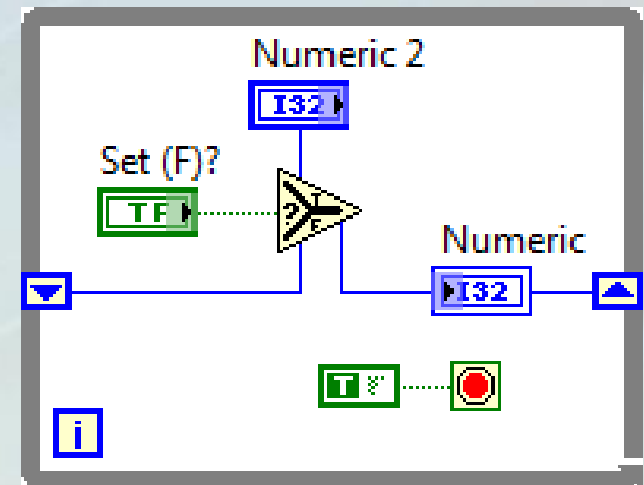
=

2 OR 3



No globals

- Use sub VI with constant
- Use smart globals
- AKA Buffer VI
- AKA action engine
- AKA VI 2 style global



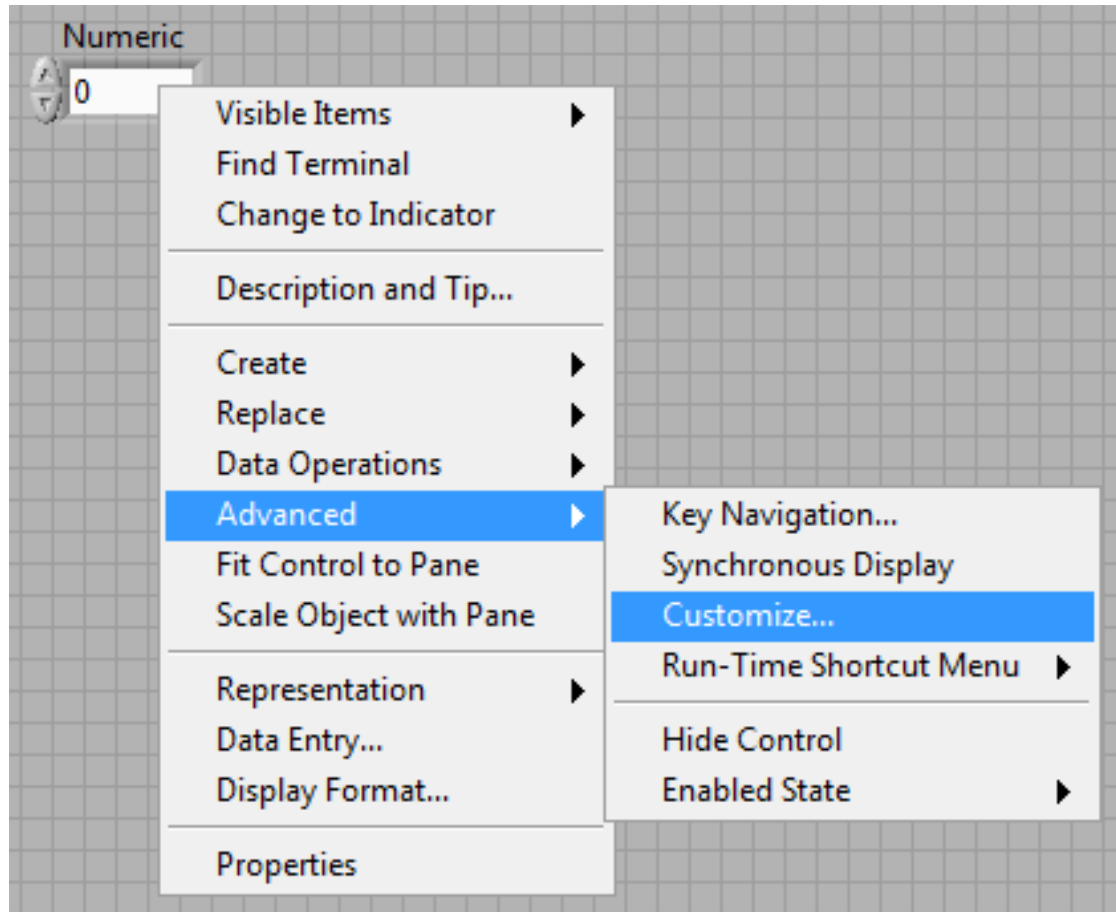


10 Simple tips

- 1) Straight wiring**
- 2) Connector pane**
- 3) Set the icon**
- 4) Proper terminal names**
- 5) Devide (and conquer)**
- 6) No globals**
- 7) Use typedef's**

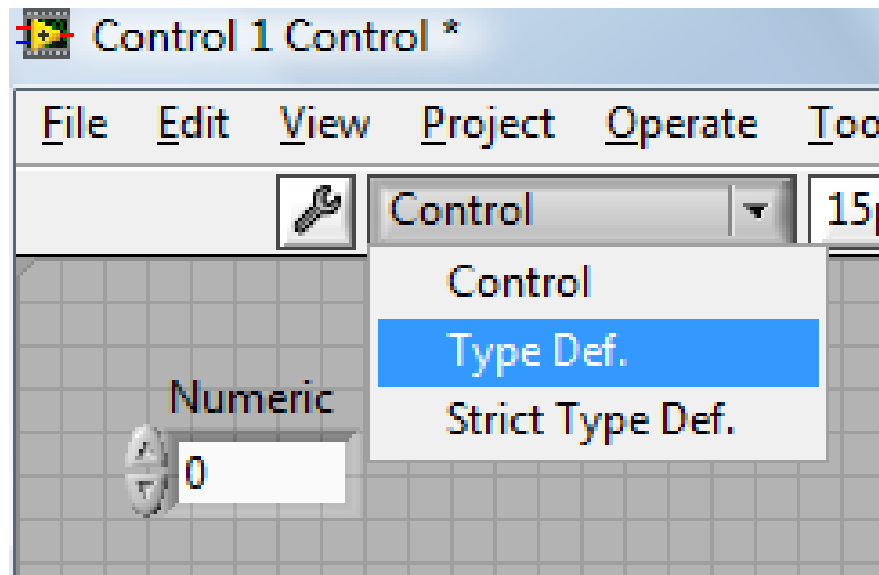


Use typedef's





Use typedef's



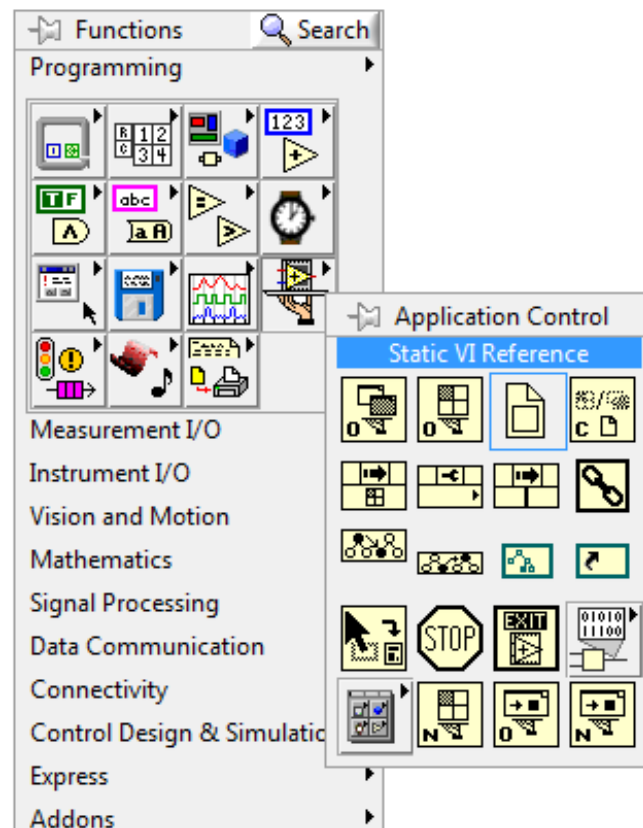


10 Simple tips

- 1) Straight wiring**
- 2) Connector pane**
- 3) Set the icon**
- 4) Proper terminal names**
- 5) Devide (and conquer)**
- 6) No globals**
- 7) Use typedef's**
- 8) Use Static VI references**

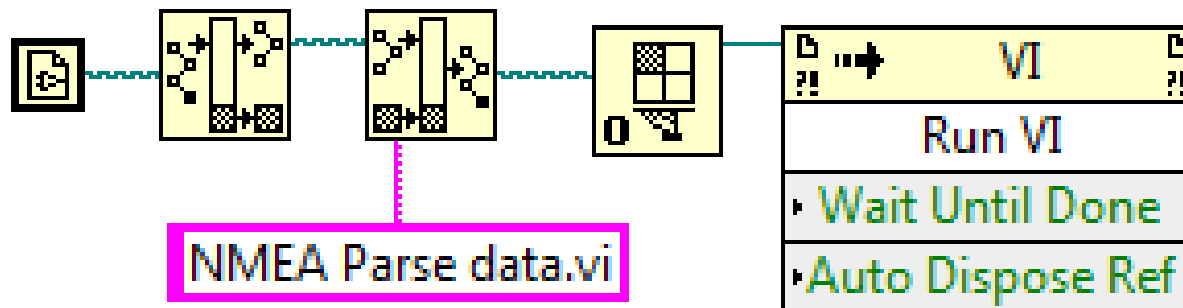


Use Static VI references



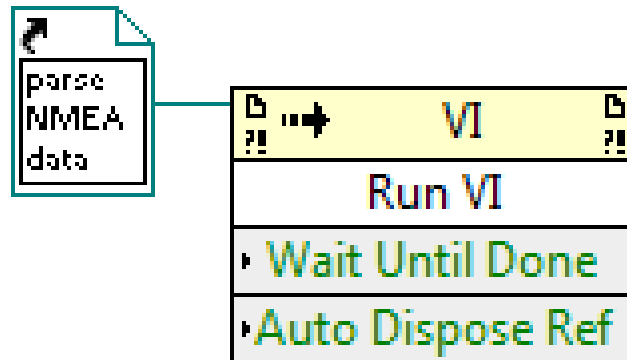


Use Static VI references





Use Static VI references





10 Simple tips

- 1) Straight wiring**
- 2) Connector pane**
- 3) Set the icon**
- 4) Proper terminal names**
- 5) Devide (and conquer)**
- 6) No globals**
- 7) Use typedef's**
- 8) Use Static VI references**
- 9) When to use a SubVI**



When to use a SubVI

- **When you:**
 - **could re-use it**
 - **can give it a short descriptive name**
- **Start with "library" name:**
 - **Read NMEA -> NMEA Read**
 - **Parse NMEA -> NMEA Parse**



10 Simple tips

- 1) Straight wiring**
- 2) Connector pane**
- 3) Set the icon**
- 4) Proper terminal names**
- 5) Devide (and conquer)**
- 6) No globals**
- 7) Use typedef's**
- 8) Use Static VI references**
- 9) When to use a SubVI**
- 10) Break the rules!**



Vragen

16 Maart 2010