

initial setup

plant delivery + order processing

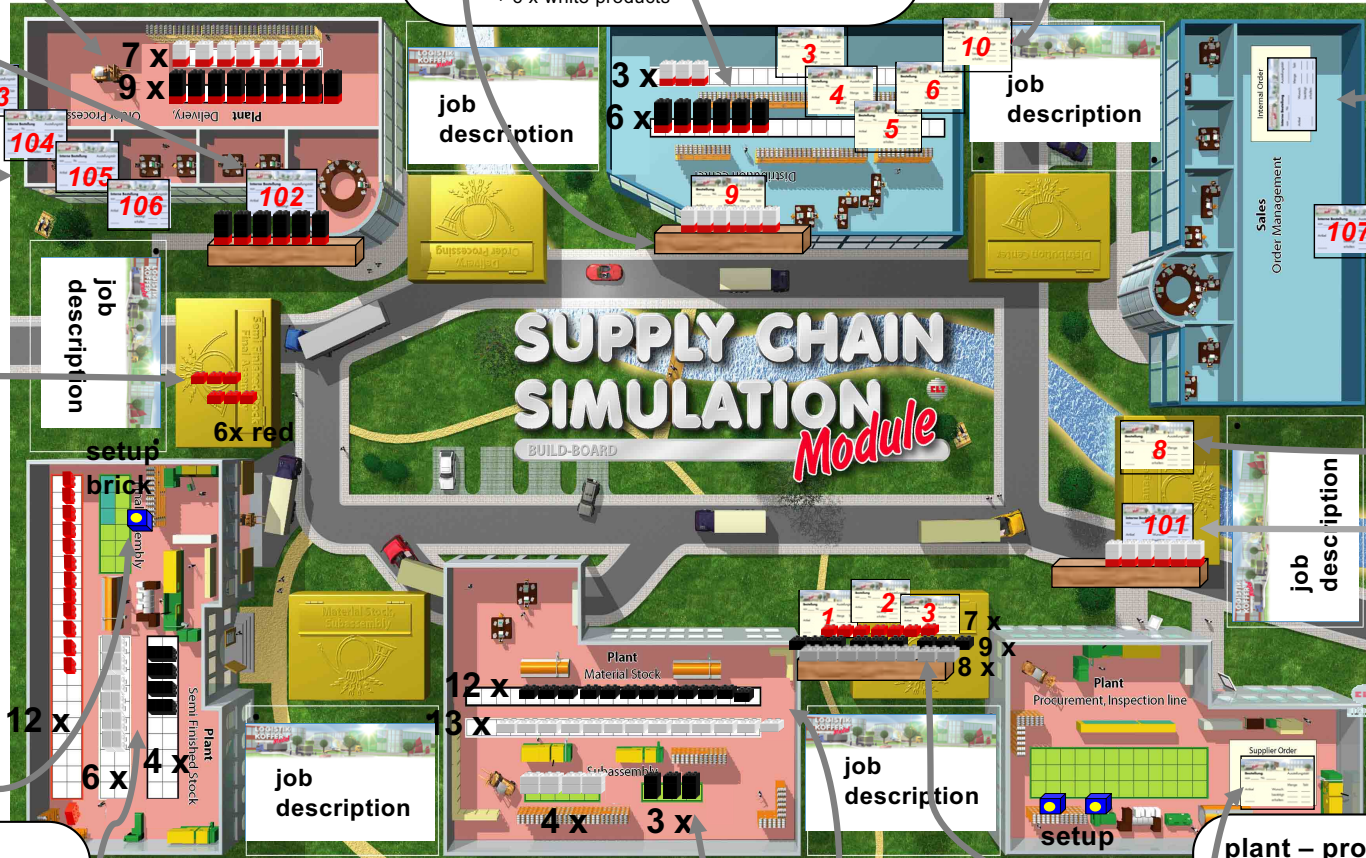
- **internal order filling :**
 - No 103 = requested+confirmed 8x white, turn 3
 - No 104 = requested+confirmed 4x black, turn 4
 - No 105 = requested+confirmed 7x white, turn 5
 - No 106 = requested+confirmed 4x black, turn 6
- **lego bricks in stock:**
 - 9 x black products, 7 x white products
- **in transportbox:**
 - No 102 = requested+confirmed 6x black products, turn 2

sales – distribution center

- **customer order filling :**
 - No 3 = requested+confirmed 5 x black, turn 3
 - No 4 = requested+confirmed 2 x black, turn 5
 - No 5 = requested+confirmed 2 x white, turn 3
 - No 6 = requested+confirmed 3 x black, turn 5
 - No 10 = requested+confirmed 2 x black, turn 5
- **lego bricks in stock:**
 - 6 x black products and 3 x white products
- **in transportbox:**
 - No 9 = requested+confirmed 6x white, turn 2
 - + 6 x white products

sales – order management

- **internal order filling :**
 - No 107 = requested 6 x white, turn 7
- **customer order filling :**
 - No 8 = requested+confirmed 3 x black, turn 7
- **in transportbox:**
 - No 101 = requested+confirmed 6x white, turn 1
 - 6 x white products
- **internal order forms (empty)**



plant – final assembly

- **in stock:**
 - 4 x black and 6 x white semfinished products
 - 12 x red bricks
- **In mailbox:**
 - 6 x red bricks
- **1 x setup brick**

plant - subassembly

- **in subassembly line:**
 - 3 x black + 4 x white semfinished products
- **in stock:**
 - 12 x black bricks and 13 x white bricks

plant – procurement, inspection line:

- **in transportbox:**
 - No 1 = requested+confirmed 9 x black, turn 1
 - No 2 = requested+confirmed 8 x white, turn 1
 - No 3 = requested+confirmed 7 x red, turn 1
- **supplier order forms (empty)**
- **2 x setup bricks**

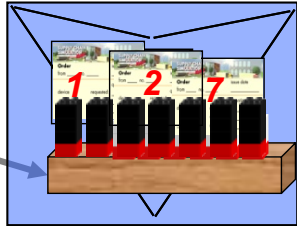
Initial setup (customer + supplier)

customer delivery

- No 1 = requested+confirmed 3x black, turn 1
- No 2 = requested+confirmed 4x black, turn 1
- No 7 = requested+confirmed 6x white, turn 1

in transportbox:

- 3x black and 6x white finished products



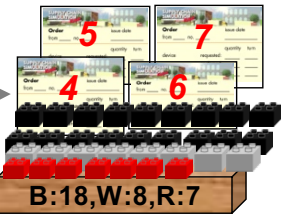
+ trucks

supplier delivery for delivery in turn 1 + order fillings

- No 4 = requested+confirmed 9x black, turn 2
- No 5 = requested+confirmed 8x white, turn 2
- No 6 = requested+confirmed 7x red, turn 2
- No 7 = requested+confirmed 9x black, turn 3

in transportboxes:

- 7x red, 18x black and 8x white bricks

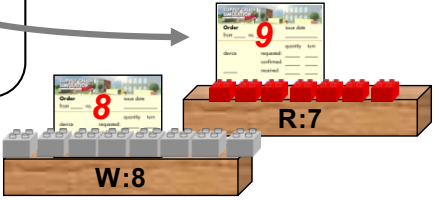


supplier delivery for later delivery + order filling

- No 8 = requested+confirmed 8x white, turn 3
- No 9 = requested+confirmed 7x red, turn 3

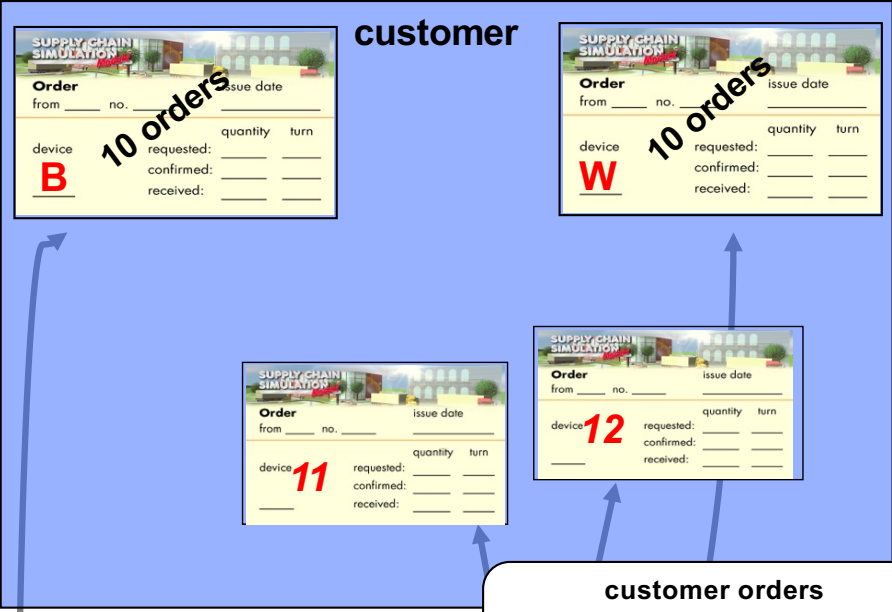
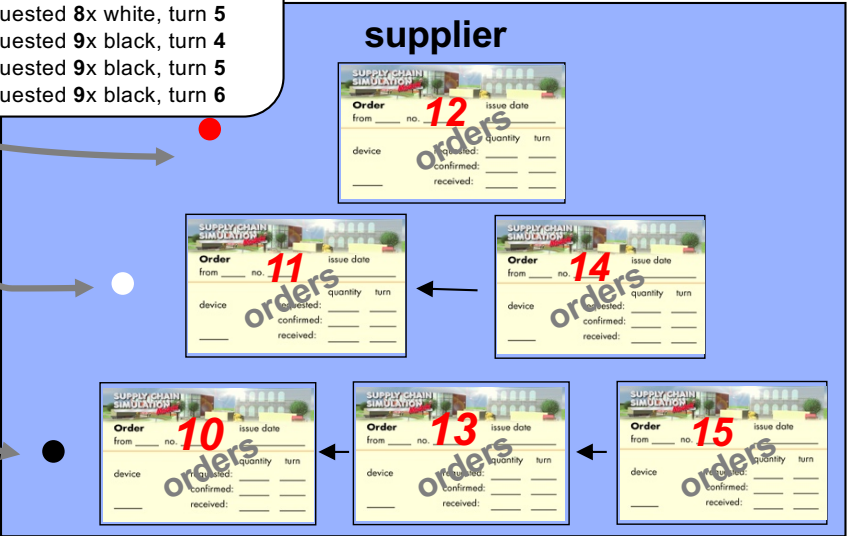
in transportboxes:

- 7x red and 8x white bricks



supplier orders in process + order fillings

- No 12 = requested 7x red, turn 4
- No 11 = requested 8x white, turn 4
- No 14 = requested 8x white, turn 5
- No 10 = requested 9x black, turn 4
- No 13 = requested 9x black, turn 5
- No 15 = requested 9x black, turn 6



customer orders

- No 11 = requested 2 x black, turn 7
- No 12 = requested 5 x white, turn 3

fill out 10 customer orders
(only product type (b/w) +volume)

spread orders:

- for black: 3/3/2/3/3/4/4/4/5/5 (36 bricks)
- for white: 4/2/4/3/4/4/5/7/7/8 (48 bricks)