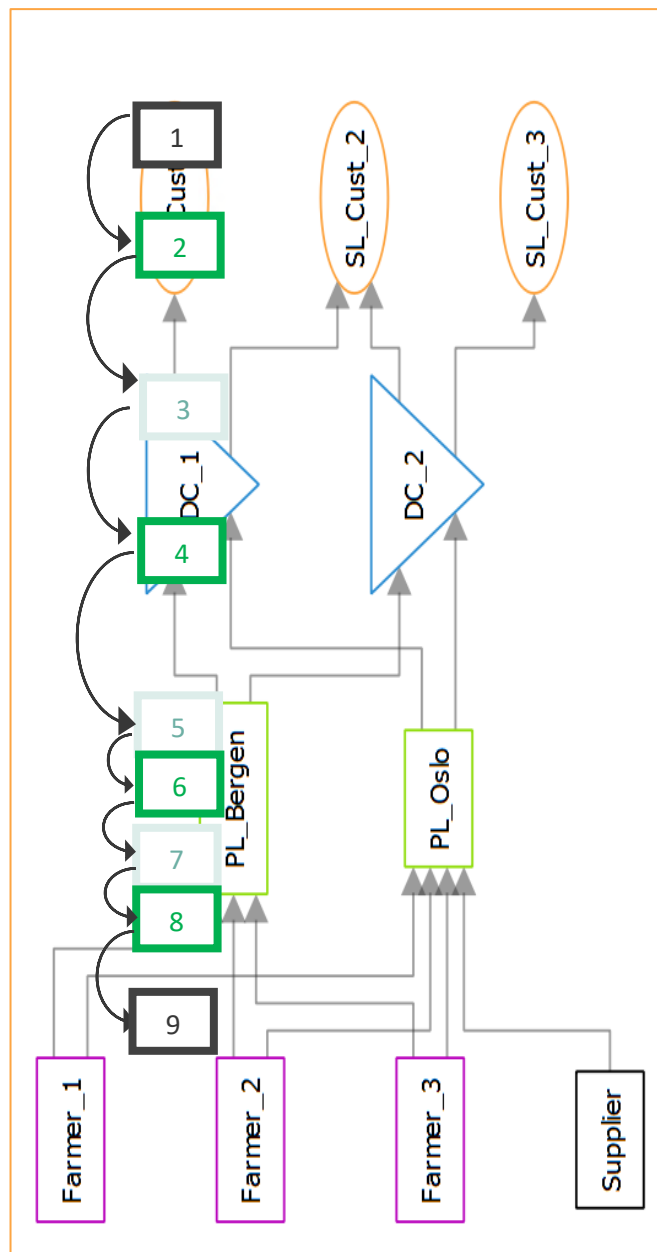


TIP 1 – REQUIREMENTS

You already have a few formulas available in some blue cells. An explanation will be given to help you fill in the formulas in the other blue cells related to the requirements. Below is an example of how the forecast of customer 1 is propagated through the supply chain.



	Cost	M1: JAN-2018
Milk_Pack/SL_Cust_1		
Total Forecast		300
Transport - From: DC_1 To: SL_Cust_1	0.00 EUR/liter	?

	Cost	M1: JAN-2018
Milk_Pack/DC_1		
Tot.Requirements		?
Transport - From: PL_Bergen To: DC_1	0.04 EUR/liter	?
Transport - From: PL_Oslo To: DC_1	0.09 EUR/liter	

	Cost	M1: JAN-2018
Milk_Pack/PL_Bergen		
Tot.Requirements		0,0
Production using Raw Milk in PL_Bergen	0.45 EUR/liter	?
Production using Powder in PL_Bergen	0.25 EUR/liter	?

	Cost	M1: JAN-2018
Milk_Raw/PL_Bergen		
Tot.Requirements		?
Transport - From: Farmer_1 To: PL_Bergen	0.03 EUR/liter	?
Transport - From: Farmer_2 To: PL_Bergen	0.02 EUR/liter	?
Transport - From: Farmer_3 To: PL_Bergen	0.10 EUR/liter	?

	Cost	M1: JAN-2018
Milk_Raw/Farmer_1		
Tot.Requirements		0,0
Total Incoming Milk		300
Tot.Inventory		0 300



- 1) Forecast of 300 comes from a customer and needs to be fulfilled.
- 2) To fulfill this forecast of 300, a transportation is needed from DC_1 to the customer. Therefore, a transportation of 300 needs to be planned on the customer.
- 3) This transportation plan needs to create a requirement on DC_1 automatically, as it needs to be available on DC_1 in order to transport it to a customer.
- 4) To make it available on DC_1, a transportation needs to be planned from e.g. PL_Bergen to DC_1.
- 5) This plan needs to create a requirement on PL_Bergen automatically, as it needs to be produced in PL_Bergen in order to transport it to DC_1.
- 6) To make sure this can be transported from PL_Bergen to DC_1, a production plan needs to be created on PL_Bergen. You can choose to produce it based on raw milk or based on powder.
- 7) If we would go for the option of raw milk, a requirement needs to be created on the raw milk automatically.
- 8) To make the raw milk available, a transportation needs to be planned from one of the farmers.
- 9) Therefore, a requirement should be created on the farmer automatically.