7.6.1. Inventory Planning in General

The formulas below refer to calculation an ordering plan for planning items that are not distributed in DCs. In other words, demand for these planning items is generated by selling activity, not distribution. Ordering plan calculation for planning items that are distributed is described in the Two-echelon planning article.

To calculate the first planned order, Streamline uses the following Excel-like formula:

Order qty₁ = MAX(CEILING(MAX(0, D_{oc} + **Safety stock** + $Qty_{to}_{ship_{LT,oc}}$ - *Remaining*), **Rounding**), **Min lot**) (1),

Remaining = MAX(0, MAX(0,**On hand** $) + Qty_to_receive_{LT,OC} - D_{LT}),$

where:

- *D_{oc}* the demand forecast during the **Order cycle** coming after the **Lead time**.
- D_{LT} the demand forecast for the **Lead time** period.
- *Qty_to_ship*_{LT,oc} and *Qty_to_receive*_{LT,oc} the quantities that are to be shipped and received correspondingly within the **Lead time** plus **Order cycle** period. Those can be viewed in the In transition details dialog.
- On hand, Order cycle, Lead time, Rounding, Min lot replenishment parameters shown in the Inventory planning tab.

The calculated **Order qty₁** is shown in the Qty column of the **Current order** section on the **Inventory planning** tab.

To calculate replenishment orders for the next order cycles, the following Excel-like formula is used:

Order qty_i = MAX(CEILING(MAX(0, $D(OC_i)$ + Safety stock_i + $Qty_to_ship(OC_i)$ - $Qty_to_receive(OC_i)$ - Remaining_{i-1}), **Rounding**), **Min lot**), i = 2, ..., (2)

where:

- *D*(*OC_i*) the demand during i-th **Order cycle** period.
- *Safety stock*_i the calculated safety stock for i-th **Order cycle** period.
- Qty_to_ship(OC) and Qty_to_receive(OC) the amounts of inventory that are to be shipped and received correspondingly within i-th Order cycle period.
- *Remaining*_{i-1} the remaining on-hand at the end of the previous **Order cycle** period.
- Order cycle, Rounding, Min lot replenishment parameters shown in the Inventory planning tab.

To demonstrate how Streamline calculates an ordering plan, we will use the built-in example **Inventory Planning by Month**. We have slightly changed the input data of the project:

- added a customer order that is to be shipped on Jan 4 of 2019;
- added a line into the **To receive** worksheet of the Excel document used as the data source for this example (see figure below);
- changed the default Lead time to 10 days for item B05465-R (see figure below); and
- set Streamline to take safety stock as demand for the future month.

А	В	С	D	E
Item code	Open date	Delivery date	Qt	
565405 Beatles L	12/1/2018	1/15/2019	200	
565405 Beatles M	12/2/2018	1/1/2019	100	
565405 Beatles M	12/5/2018	3/1/2019	100	
565405 Beatles M	12/6/2018	2/1/2019	100	
565405 Beatles S	12/3/2018	1/15/2019	100	
565405 Beatles XL	12/4/2018	1/15/2019	100	
B05465-R	12/5/2018	1/15/2019	30	
 Transa 	ctions Item info	To receive	то: (-) ∶

ltem code	Description	Supplier	Model type	On hand	Days of supply	To ship	To receive	Lead time, days	Order cycle, months	Min lot
89654-T	Toaster [constan	3850	Constant	41	46	0	0	30	1	
VR2156 200	Vital Reds 200g	1012	Linear tre	590	50	0	0	30	1	1000
VB2166 150	Vital Blue 150 g	1012	Linear tre	54	38	0	0	30	1	100
L2010	Lumber [season	3850	Seasonal	54	130	0	0	30	1	
H2510	Nails [seasonal	3850	Seasonal	69	11	0	0	30	1	1000
C1020	Concrete block [3850	Seasonal	15	35	0	0	30	1	
B05465-R	Basketball 29.5 (3850	Seasonal	266	43	30	30	10	1	60
565405 Beatles	One Style XL [ex	4008	Seasonal	1456	280	0 30 t	o be shippe	d on Jan 4, 2	019	100
565405 Beatles S	One Style S [exc	4008	Seasonal	1181	593	0	100	30	1	100

Ordering plan

As we mentioned above, an ordering plan is calculated in two steps. First, the current order quantity is computed.

To figure out how the current order of **96** units is obtained, we will address the Explain inventory calculation dialog. To open it, we set the cursor at item **B05465-R** and press **Ctrl + E** (see figure below).

m code On hand To shin To re		On hand To ship T	Table	. .	Lead time,	me, Order cycle,	Min lot	Rounding	Current order		Ordering plan			Demand fore		cast
em code	On hand	lo ship	lo receive	days	months	Min lot	Rounding	Qty	Order type	Dec 2018	Jan 2019	Feb 2019	Dec 2018	Jan 2019	Feb	
4-T	41	0	0	30	1			40	Purchase	40	27	27	27	27	27	
56 200	590	0	0	30	1	1000	20	1000	Purchase	1000	0	1000	357	358	359	
66 150	54	0	0	30	1	100	20	100	Purchase	100	100	0	43	43	43	
)	54	0	0	30	1		5	0		0	0	15	13	11	12	
0	69	0	0	30	1	1000	50	1000	Purchase	1000	0	0	181	202	22	
0	15	0	0	30	1			21	Purchase	21	11	10	13	12	11	
65-R	266	30	30	10	1	60	12	96	Purchase	96	60	108	197	100	82	
05 Beatles	1456	0	100	30	1	100	10	0		0	0	0	176	162	99	
Explain in	ventory ca										_		_			
Location: Safety sto Debt recei Debt pass Simulation	ock: ived from lo ed to upper horizon	wer echelon echelon (c	n (current/max):	B05465 94 ax): 0 / 0, a 0 / 96 5 mont	i-R — Basketbal ccum. 0 ths	 29.5 (size Manufactur	7) [seasonal e details	model]							•	
Location: Safety sto Debt recei Debt pass Simulation Time frac	ock: ived from lo ed to upper horizon tion	wer echelor echelon (c	n (current/ma urrent/max): Dec 0.03	B05465 94 ax): 0 / 0, a : 0 / 96 5 mont : 1, 2018 1 2 0	R — Basketbal ccum. 0 hs Dec 12, 2018 .366	Manufactur Dec 31, 20	7) [seasonal e details)18 Jan 1, 1.032	model] 2019 Ja 1.	an 4, 2019 Ja 129 1.:	an 12, 2019 366	Jan 15, 20 1.484	019 Jan 3 2	31, 2019 1 2	Feb 1, 2019	•	
Location: Safety sto Debt recei Debt pass Simulation Time frac Events	ock: ived from lo ed to upper horizon tion	wer echelon echelon (c	n (current/max): urrent/max): Dec 0.03	B05465 94 ax): 0 / 0, a : 0 / 96 5 mont : 1, 2018 2 0 ;	-R — Basketbal ccum. 0 ths Dec 12, 2018 .366 R	Manufactur Dec 31, 20 1 ©	7) [seasonal e details 018 Jan 1, 1.032	model] 2019 Ja 1. 순	an 4, 2019 Ja 129 1.: 5	an 12, 2019 366	Jan 15, 20 1.484 ແງ	019 Jan 3 2 &	31, 2019 2	Feb 1, 2019		
Location: Safety sto Debt recei Debt pass Simulation Time frac Events Demand f	ock: ived from lo ed to upper horizon tion	wer echeloi echelon (c	n (current/m urrent/max): Dec 0.03	B05465 94 ax): 0 / 0, a : 0 / 96 5 mont : 1, 2018 2 0 ;	-R — Basketbal ccum. 0 hs Dec 12, 2018 .366 	1 29.5 (size Manufactur Dec 31, 20 1 の	7) [seasonal e details 018 Jan 1, 1.032 🖂 100	model] 2019 Ja 1. 순	an 4, 2019 Ja 129 1.: 도	an 12, 2019 366	Jan 15, 20 1.484 (7)	019 Jan 3 2 ල්	81, 2019 2 8 8	Feb 1, 2019 0.032 ⊠ 12		
Location: Safety sto Debt recei Debt pass Simulation Time frac Events Demand f + Manufa	ock: ived from lo ed to upper horizon tion forecast acture forec	wer echeloi echelon (c	n (current/max): Dec 0.03	94 94 ax): 0 / 0, a 0 / 96 5 mont 1, 2018 2 0	-R — Basketbal ccum. 0 ths □ Dec 12, 2018 .366 .366 	1 29.5 (size Manufactur Dec 31, 20 1 の	7) [seasonal e details)18 Jan 1, 1.032 🖂 100	model] 2019 Ja 1. 企	an 4, 2019 Ja 129 1.: \\ (OC)	an 12, 2019 366	Jan 15, 20 1.484 (7)	019 Jan 3 2 Č	31, 2019 2 8 8	Feb 1, 2019 .032 ⊠ 12		
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Location: Safety sto Debt recei Debt pass Simulation Time frac Events Demand f + Manufa = Subper + Safety Write-off	ock: ived from lo ed to upper horizon tion forecast acture forec iod consum stock	wer echelon (c echelon (c ast	n (current/m. urrent/max): Dec 0.03	B05465 94 ax): 0 / 0, a : 0 / 96 5 mont : 1, 2018 2 0 2 5 6	-R — Basketbal ccum. 0 ths □ Dec 12, 2018 .366 .366 	1 29.5 (size Manufactur Dec 31, 20 1 © 125 75	7) [seasonal e details 018 Jan 1, 1.032 2 100 3 2	model] 2019 Ja 1. 企 口 10 5 5 3	an 4, 2019 Ja 129 1.: (OC) 24 12 5 fety, stock	an 12, 2019 366	Jan 15, 20 1.484 ແລ 11 -8	019 Jan 3 2 © 52	31, 2019 2 2 8 3 3	Feb 1, 2019 .032 3 2	- -	
Location: Safety sto Debt recei Debt pass Simulation Time frac Events Demand f + Manufa = Subper + Safety Write-off Orders in	ock: ived from lo ed to upper horizon tion forecast acture forec iod consum stock is transition	wer echelon (c echelon (c ast ption	n (current/max): Dec 0.03	B05465 94 ax): 0 / 0, a : 0 / 96 5 mont : 1, 2018 1 2 0 5 6	-R — Basketbal ccum. 0 ths □ Dec 12, 2018 .366	1 29.5 (size Manufactur Dec 31, 20 1 © 125 75	7) [seasonal e details 018 Jan 1, 1.032 ⊠ 100 3 2 2	model] 2019 Ja 1. ☆ Di 10 5 Sat	an 4, 2019 Ja 129 1.: (OC) 24 (OC) 24 fety stock	an 12, 2019 366 2	Jan 15, 20 1.484 (7) 11 -8 30	019 Jan 3 2 © 52	31, 2019 2 8 8 3	Feb 1, 2019 .032 ⊠ 12		
Location: Safety sto Debt recei Debt pass Simulation Time frac Events Demand f + Manufa = Subper + Safety Write-off Orders in Debt afte	ock: ived from lo ed to upper horizon tion forecast acture forecast iod consum stock is transition er arrivals	wer echelon (c echelon (c ast ption	n (current/max): Dec 0.03	B05465 94 ax): 0 / 0, a : 0 / 96 5 mont : 1, 2018 1 2 0 5 5 6	-R — Basketbal ccum. 0 ths □ Dec 12, 2018 .366 	Manufactur Dec 31, 20 1 3 125 75	7) [seasonal e details 018 Jan 1, 1.032 ⊠ 100 3 2 2	model] 2019 Ja 1. ⊉ Di 10 5 Sati	an 4, 2019 Ja 129 1.: (OC) 24 (OC) 24 fety stock 0 0	an 12, 2019 366 ?	Jan 15, 20 1.484 CJ 11 -8 30	019 Jan 3 2 © 52	31, 2019 2 8 3	Feb 1, 2019 .032		
Location: Safety sto Debt recei Debt pass Simulation Time frac Events Demand f + Manufa = Subper + Safety Write-off Orders in Debt afte Inventor	ock: ived from lo ed to upper horizon tion forecast acture forec iod consum stock is transition er arrivals y + in trans	wer echelon (c echelon (c ast otion	n (current/max): urrent/max): Dec 0.03 266	B05465 94 34(): 0 / 0, a 5 mont 2 0 2 0 2 0 5 6	-R — Basketbal ccum. 0 ths □ Dec 12, 2018 .366	1 29.5 (size Manufactur Dec 31, 20 1 (5) 125 75 171	7) [seasonal e details)18 Jan 1, 1.032 2 100 3 2 2 100 100 100 100 100 100 100 100 100	model] 2019 Ja 1. 2019 Ja 1. 2019 Ja 1. 2019 Ja 1. 2019 Ja 1. 2019 Ja 1. 2019 Ja 1. 2019 Ja 2019 Ja 201	an 4, 2019 Ja 129 1.: (OC) 24 (OC) 24 fety stock 0 12 fety stock 0 10	an 12, 2019 366 2 4 2 4	Jan 15, 20 1.484 (C) 11 -8 30 183	019 Jan 3 2 © 52	81, 2019 1 2 8 3 3	Feb 1, 2019		
Location: Safety sto Debt recei Debt pass Simulation Time frac Events Demand f + Manufa = Subper + Safety Write-off Orders in Debt afte Inventor + Plannet	ock: ived from lo ed to upper horizon tion forecast acture forec iod consum stock stock transition er arrivals y + in trans d order arriv	wer echelon (c echelon (c ast ption tion	n (current/max) urrent/max) Dec 0.03	B05465 94 ax): 0 / 0, a 5 mont 2 0 2 0 2 0 5 5 6 6 2 2 9	i-R — Basketbal ccum. 0 ths □ Dec 12, 2018 .366	1 29.5 (size Manufactur Dec 31, 20 1 () 125 75 171	7) [seasonal e details D18 Jan 1, 1.032 E3 100 3 2 2 3 2 168	model] 2019 Ja 1. 2019 Ja 1. 2019 Ja 1. 2019 Ja 1. 2019 Ja 1. 2019 Ja 1. 2019 Ja 1. 2019 Ja 1. 2019 Ja 2019 Ja 1. 2019 Ja 2019	an 4, 2019 32 129 1.: (OC) 24 12 fety stock 0 21 8 10 60	an 12, 2019 366 2 2 4 4	Jan 15, 20 1.484 d 11 -8 30 183	019 Jan 3 2 © 52 52 131	81, 2019 2 8 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Feb 1, 2019 .032 .2 2 2 28		
Location: Safety sto Debt recei Debt pass Simulation Time frac Events Demand f + Manufa = Subper + Safety Write-off Orders in Debt afte Inventor + Plannet = Project	ock: ived from lo ed to upper horizon tion forecast acture forec iod consum stock is transition er arrivals y + in trans d order arriv ed inventor	wer echelon (c echelon (c ast ption tion vals y	n (current/mx) urrent/max): 고 고 266 266	B05465 94 ax): 0 / 0, a 5 mont 2 0 / 96 5 mont 2 0 2 6 6 2 2 9 2 2 9	i-R — Basketbal ccum. 0 ths □ Dec 12, 2018 .366	1 29.5 (size Manufactur Dec 31, 20 1 () 125 75 171 171	7) [seasonal e details 218 Jan 1, 1.032 2 100 3 2 168 4 168	model] 2019 Ja 1. 2019 Ja 1. 2019 Ja 1. 2019 Ja 2019 Ja 2	an 4, 2019 Ja 129 1.: (OC) 24 (OC) 24 5ety stock 60 8 10 8 16	an 12, 2019 366 3 4 4 4 4	Jan 15, 20 1.484 dQ 11 -8 30 183 183	019 Jan 3 2 © 52 52 131 131	31, 2019 2 8 3 3 3 4 1 1 1	Feb 1, 2015 		
Location: Safety sto Debt recei Debt pass Simulation Time frac Events Demand f + Manufa = Subper + Safety Write-off Orders in Debt afte Inventor + Planned	ock: ived from lo ed to upper horizon tion forecast acture foreca iod consum stock is transition er arrivals y + in trans d order arriv red inventor orders	wer echelon (c echelon (c ast ption tion vals y	n (current/max): Der 0.03 23 266 266 96	B05465 94 ax): 0 / 0, a 5 mont 1, 2018 1 2 0 5 6 6 2 9 2 9 2 2 9 2	-R — Basketbal ccum. 0 ths □ Dec 12, 2018 .366	1 29.5 (size Manufactur Dec 31, 20 1 0 125 75 171 171	7) [seasonal e details 1018 Jan 1, 1.032 ⊠ 100 3 2 2 168 168 168 60	model] 2019 Ja 1. 2019 Ja 1. 2019 Ja 10 5 Sat 12 12 12 12 12	an 4, 2019 Ja 129 1.: (OC) 24 (OC) 24 5ety stock 0 24 8 10 60 88 16	an 12, 2019 366 2 4 4 4	Jan 15, 20 1.484 (7) 11 -8 30 183 183	019 Jan 3 2 © 52 131 131	31, 2019 2 2 8 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Eeb 1, 2019 .032 3 2 28 28 28 08		

7.6.1. Inventory Planning in General

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As Lead time = 10 days that ends up on Dec 12, 2018 and the Order cycle is 1 month, we take the Subperiod consumption demand starting from the end of Dec 12, 2018 to the end of Jan 12, 2019. Since the dialog shows the dates the particular subperiod ends, we take the sum for the four subperiods staring from Dec 31, 2018.

• Thus, $D_{oc} = 125 + 3 + 10 + 24 = 162$.

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- D_{LT} = Demand_forecast_for_period * **Lead time, days** / 30 = 197 * 10 / 30 = 66. This value is shown in the **Subperiod consumption** row on the date when the first Streamline's planned order arrives.
- *Qty to ship* = 30, as we have a shipment of 30 units that hit this interval (see figure above).
- **Rounding** = 12, **Min lot** = 60, **On hand** = 266.

Now, let's replace the parameters with the values:

Order qty₁ = MAX(CEILING(MAX(0, 162 + 94 + 30 - 200), 12), 60) = 96,

Remaining = MAX(0, MAX(0, 266) + 0 - 66) = 200.

We highlighted the values that are used in the calculation of the **Current order** quantity with positive

and negative signs via green and red borders correspondingly in the figure above.

The values for all of the parameters in the formula (2) can be directly found in the **Explain inventory** calculation dialog as well. The most interesting from them is the *Remaining*_{*i*-1}, i = 2,.... The **Inventory** + in transition row shows these remainings. The figure below highlights the values of the parameters that are used to get the second order.

			.	-	. Lead tir	ne, Order cycle			Cu	irrent order	0	rdering pla	an	De	mand fore	ast	
	ltem code	On hand	lo ship	lo rec	eive days	months	Min lot	Rounding	Qty	Order ty	pe Dec 2018	Jan 2019	Feb 2019	Dec 2018	Jan 2019	Feb 2019	
	89654-T	41	0	0	30	1			40	Purchase	40	27	27	27	27	27	
	VR2156 200	590	0	0	30	1	1000	20	1000	Purchase	1000	0	1000	357	358	359	
	VB2166 150	54	0	0	30	1	100	20	100	Purchase	100	100	0	43	43	43	
	L2010	54	0	0	30	1		5	0		0	0	15	13	11	12	
	H2510	69	0	0	30	1	1000	50	1000	Purchase	1000	0	0	181	202	225	
	C1020	15	0	0	30	1			21	Purchase	21	11	10	13	12	11	
	B05465-R	266	30	30	10	1	60	12	96	Purchase	96	60	108	197	100	82	
	565405 Beatles	1456	0	100	30	1	100	10	0		0	0	0	176	162	99	
			-										-				~
Expla	n inventory calcul	auon															^
Debt i Debt i Simula	received from lower passed to upper ech ation horizon	echelon (cu Ielon (currei	ırrent/max) nt/max):): 0 / 0, 0 / 96 5 mor	accum. 0 nths	Manufacture d	etails										
			Dec 1	, 2018	Dec 12, 2018	B Dec 31, 2018	Jan 1, 20)19 Jan 4,	2019 Ja	an 12, 2019	Jan 15, 2019	Jan 31, 2	019 Feb	1, 2019 F	eb 11, 2019	Feb 28,	2019
Time	fraction		0.032		0.366	1	1.032	1.129	1.	366	1.484	2	2.03	2 2	.366	3	
Even	ts				<u>1</u>	Ō		全	5	3	đ.	Ō		ŕ,	2	Ō	
Dema	and forecast						100						82				
+ Ma	nufacture forecast												D(OC)		_	
= Su	bperiod consumptior	י			66	125	3	10	24	1	11	52	3	2	7	52	
+ Sa	fety stock					75	2	5	12		-8					25	
Write	e-offs							Sarety st	OCK	Qu	/_to_recer	ve 1					
Debt	after arrivals							-30	Re	emaining	30						
Inve	ntory + in transition		266		200	171	168	128	10	14	183	131	128	1	01	157	
+ Pla	nned order arrivals				96				60)				1	08		
= Pro	ojected inventory		266		296	171	168	128	16	54	183	131	128	2	09	157	
Plann	ned orders		96				60						108				
Dema	and passed to upper	echelon	66				60						108				
<																	>
Input	/ Calculated + -	- Co-deper	ndent													Clos	æ

We have intentionally set Streamline to determine safety stock as the demand for the given number of future periods (1 month in our example) to be able to show you how the order amount is calculated.

- $D(OC_2) = 11 + 52 + 3 + 27 = 93;$
- Safety stock₂ = Safety stock₁ 9 = 94 8 = 84;

Now, let's replace the parameters with the values:

Order qty₂ = MAX(CEILING(MAX(0, 93 + 84 - 30 - 104), 12), 60) = MAX(CEILING(43, 12), 60) = 60.

This example is pretty simplified as it doesn't have imported:

- batches the Write-offs row of the table is empty; and
- BOMs or distribution centers Debt after arrivals row of the table is empty.

To calculate the ordered quantities correctly in these more generic cases, the formulas (1) and (2)

should account for the values from the mentioned rows.

Projected Inventory Levels

To find out how the future on-hand levels at the end of each period are calculated, we will use two rows of the dialog table, **Inventory + in transition** and **Planned order arrivals**.

If you set the cursor at any cell of the **Inventory + in transition** row, you'll see the cells taking part in the calculation of the value. This row calculates the remaining on-hand at the end of each subperiod based on the:

- on-hand level at the end of the previous subperiod; and
- item consumption, possible write-off, safety stock debt, and in transition quantity in the currently selected subperiod (see figure below).

	Dec 1, 2018	Dec 12, 2018	Dec 31, 2018
Time fraction	0.032	0.366	1
Events		2	Ō
Demand forecast			
+ Manufacture forecast			
= Subperiod consumption		66	125
+ Safety stock			75
Write-offs			
Orders in transition			
Debt after arrivals			
Inventory + in transition	266	200	171
+ Planned order arrivals		96	
= Projected inventory	266	296	171
Planned orders	96		
Demand passed to upper echelon	66		
<			
Input / Calculated + - Co-depend	dent		

In other words, this row shows on-hand remaining at the end of each subperiod without taking into account Streamline's deliveries (the **Planned order arrivals** row). The resulting projected inventory levels, which is the sum of the **Inventory + in transition** and **Planned order arrivals** rows, are indicated in the **Projected inventory** row. Consequently, the amounts at the end of each data aggregation period in this row make up the **Projected inventory levels** report (see figure below).

				. .	Lead time,	Order cycle,			Project	ed invento	ry levels			
	Item code	On hand	lo shi	p lo receive	days	months	Min lot	Kounding	Dec 2018	Jan 2019	Feb 2019			
	89654-T	41	0	0	30	1			15	28	28			
	VR2156 200	590	0	0	30	1	1000	20	245	887	528			
	VB2166 150	54	0	0	30	1	100	20	12	69	126			
	L2010	54	0	0	30	1		5	41	30	18			
	H2510	69	0	0	30	1	1000	50	0	805	580			
	C1020	15	0	0	30	1			2	11	11			
	B05465-R	266	30	30	10	1	60	12	171	131	157			
	565405 Beatles	1456	0	100	30	1	100	10	1286	1224	1125			
Explain invento	ry calculation													×
Explain invento	ry calculation													~
Item:			B0546	5-R — Basketba	ll 29.5 (size)	7) [seasonal mo	del]							
Location:														
Safety stock:	en lewer echelen (o		94											
Debt received in	upper echelon (curre	nt/max)): 0/0, 0/06	accum. u										
Simulation horizo	in	inginaxy.	5 mor	nths	Manufacture	e details								-
		Dec 1	, 2018	Dec 12, 2018	Dec 31, 20	18 Jan 1, 20	19 Jan 4	, 2019 Ja	n 12, 2019	Jan 15, 20)19 Jan 3	1, 2019	Feb 1,	2019
Time fraction		0.032		0.366	1	1.032	1.129	1.3	66	1.484	2		2.032	
Events				Å	Ō		企	5		đ.	Ō			
Demand forecas	st					100							82	
+ Manufacture	forecast													
= Subperiod cor	nsumption			66	125	3	10	24		11	52		3	
+ Safety stock					75	2	5	12		-8				
Write-offs														
Orders in transi	tion						-30			30				
Debt after arriv	als													
Inventory + in t	transition	266		200	171	168	128	10	4	183	131		128	
+ Planned order	r arrivals			96				60						
= Projected inv	entory	266		296	171	168	128	16	4	183	131		128	
Planned orders		96				60							108	
Demand passed	to upper echelon	66				60							108	
<														>
Input / Calculate	ed + <mark>-</mark> Co-depe	ndent											Clos	æ

Next: Program Window

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