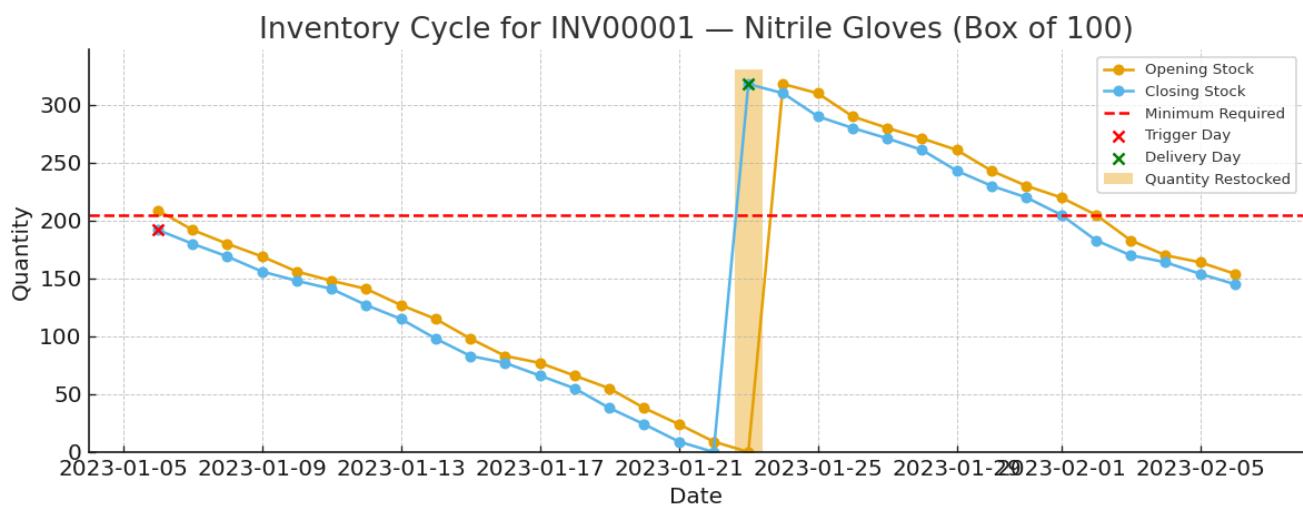


Inventory Cycle Example — INV00001

Item: Nitrile Gloves (Box of 100)

Vendor: V0052 **Lead Time:** 17 days

Trigger Date: 2023-01-06 **Delivery Date:** 2023-01-23



Date	Opening_Stock	Quantity_Consumed	Quantity_Restocked	Closing_Stock	Reorder_Flag
2023-01-06	209	17	0	192	1
2023-01-07	192	12	0	180	1
2023-01-08	180	11	0	169	1
2023-01-09	169	13	0	156	1
2023-01-10	156	8	0	148	1
2023-01-11	148	7	0	141	1
2023-01-12	141	14	0	127	1
2023-01-13	127	12	0	115	1
2023-01-14	115	17	0	98	1
2023-01-15	98	15	0	83	1
2023-01-16	83	6	0	77	1
2023-01-17	77	11	0	66	1
2023-01-18	66	11	0	55	1
2023-01-19	55	17	0	38	1
2023-01-20	38	14	0	24	1
2023-01-21	24	15	0	9	1
2023-01-22	9	9	0	0	1
2023-01-23	0	13	331	318	0

Date	Opening_Stock	Quantity_Consumed	Quantity_Restocked	Closing_Stock	Reorder_Flag
2023-01-24	318	8	0	310	0
2023-01-25	310	20	0	290	0
2023-01-26	290	10	0	280	0
2023-01-27	280	9	0	271	0
2023-01-28	271	10	0	261	0
2023-01-29	261	18	0	243	0
2023-01-30	243	13	0	230	0
2023-01-31	230	10	0	220	0
2023-02-01	220	15	0	205	1
2023-02-02	205	22	0	183	1
2023-02-03	183	13	0	170	1
2023-02-04	170	6	0	164	1
2023-02-05	164	10	0	154	1
2023-02-06	154	9	0	145	1

Observations:

- Trigger occurred on 2023-01-06 when Closing_Stock \leq Minimum_Required (205).
- Purchase order generated on trigger day; expected delivery on 2023-01-23.
- Quantity restocked on delivery day = 331.
- Post-delivery consumption continues until end of cycle window.