Consider a company facing a demand pattern and costs as follows:

Month	Demand (units)
1	200
2	300
3	180
4	70
5	50
6	20
7	10
8	30
9	90
10	120
11	150
12	190
Total	**1,410**

A	$160.00
r (per month)	0.10$/$
v	$5.00

*Construct a replenishment schedule and calculate the associated costs using the **POQ method** for a **three-month period**.*

Consider a company facing a demand pattern and costs as follows:

Month	Demand (units)
1	200
2	300
3	180
4	70
5	50
6	20
7	10
8	30
9	90
10	120
11	150
12	190
Total	**1,410**

A	$160.00
r (per month)	0.10$/$
v	$5.00

*Construct a replenishment schedule and calculate the associated costs using the **FOQ** method with Q_t = 275 units.*

Consider a company facing a demand pattern and costs as follows:

Month	Demand (units)
1	350
2	200
3	0
4	150
5	500
6	600
7	450
8	350
9	200
10	0
11	150
12	200
Total	**3,150**

A	$50.00
r (per month)	0.02$/$
v	$65.00

*Construct a replenishment schedule and calculate the associated costs using the **POQ method** for a two-month period.*

New Announcement on Homework Submission

- Kindly submit your homework at **Room O2.602** (the School of Industrial Engineering and Management Office) on **WEDNESDAY** and **THURSDAY** only.

- Reason: Guests from many companies, universities, etc. will visit and have a meeting at the office throughout the week.

- Effective from: **01 October 2022**

THANK YOU FOR YOUR UNDERSTANDING!!!