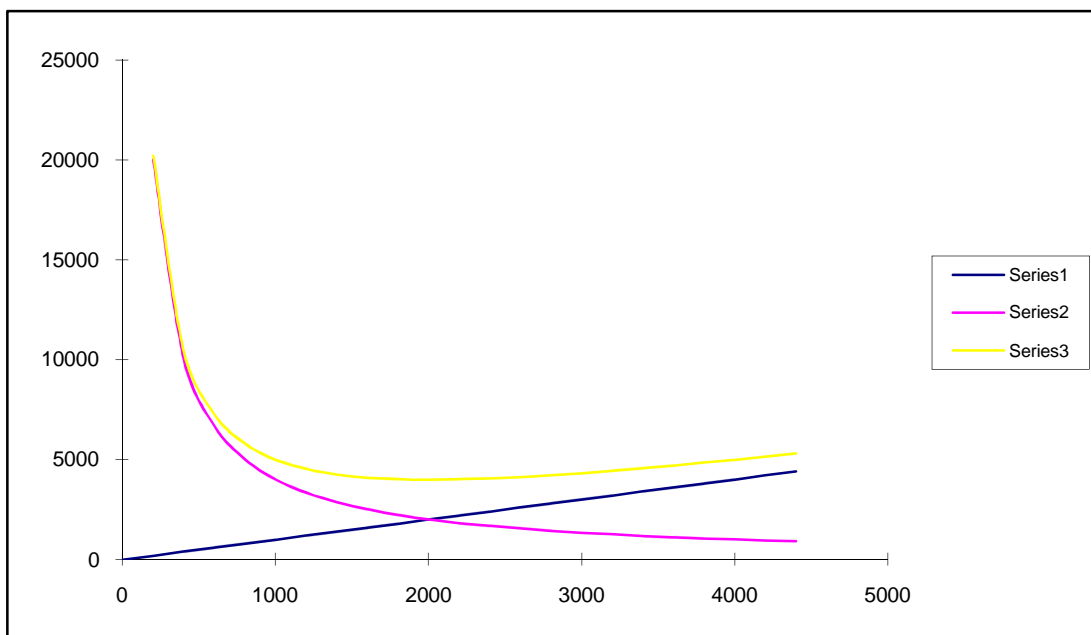


Exercici estocs 1 PUSA Comanda òptima

| | | | |
|----------------------|----------------------|----|----------|
| Consum diari | 15 unitats | | |
| Dies/any | 300 | | |
| Consum anual | 4500 unitats | Q= | 2000,125 |
| Cost comanda (k) | 889 | | |
| Cost manteniment (g) | 2 per unitat a l'any | | |

| Q | g*(Q/2) | k* (q/Q) | Cost total |
|------|----------------------|---------------------|----------------|
| 200 | Quantitat de comanda | Cost de manteniment | Cost reposició |
| 0 | 0 | | |
| 200 | 200 | 20002,5 | 20202,5 |
| 400 | 400 | 10001,25 | 10401,25 |
| 600 | 600 | 6667,5 | 7267,5 |
| 800 | 800 | 5000,625 | 5800,625 |
| 1000 | 1000 | 4000,5 | 5000,5 |
| 1200 | 1200 | 3333,75 | 4533,75 |
| 1400 | 1400 | 2857,5 | 4257,5 |
| 1600 | 1600 | 2500,3125 | 4100,3125 |
| 1800 | 1800 | 2222,5 | 4022,5 |
| 2000 | 2000 | 2000,25 | 4000,25 |
| 2200 | 2200 | 1818,40909 | 4018,40909 |
| 2400 | 2400 | 1666,875 | 4066,875 |
| 2600 | 2600 | 1538,65385 | 4138,65385 |
| 2800 | 2800 | 1428,75 | 4228,75 |
| 3000 | 3000 | 1333,5 | 4333,5 |
| 3200 | 3200 | 1250,15625 | 4450,15625 |
| 3400 | 3400 | 1176,61765 | 4576,61765 |
| 3600 | 3600 | 1111,25 | 4711,25 |
| 3800 | 3800 | 1052,76316 | 4852,76316 |
| 4000 | 4000 | 1000,125 | 5000,125 |
| 4200 | 4200 | 952,5 | 5152,5 |
| 4400 | 4400 | 909,204545 | 5309,20455 |
| 4600 | 4600 | 869,673913 | 5469,67391 |



Exercici estocs 1 PUSA**Evolució magatzem**

| | | |
|--------------------|----------------|--------------------|
| Termini lliurament | Comanda òptima | 2000 |
| 30 dies | Consum diari | Punt de comanda |
| | 15 | 450 |
| | | Punt 0 existències |
| | | 133,333333 dies |

| Temps | Q | Punt comanda |
|------------|------------|--------------|
| 0 | 2000 | 450 |
| 30 | 1550 | 450 |
| 60 | 1100 | 450 |
| 90 | 650 | 450 |
| 120 | 200 | 450 |
| 133,333333 | 0 | 450 |
| 133,333333 | 2000 | 450 |
| 160 | 1600 | 450 |
| 190 | 1150 | 450 |
| 220 | 699,999995 | 450 |
| 250 | 249,999995 | 450 |
| 266,666 | 0,009995 | 450 |
| 296,666 | 2000 | 450 |
| 326,666 | 1550 | 450 |
| 356,666 | 1100 | 450 |
| 386,666 | 650 | 450 |
| 416,666 | 200 | 450 |

