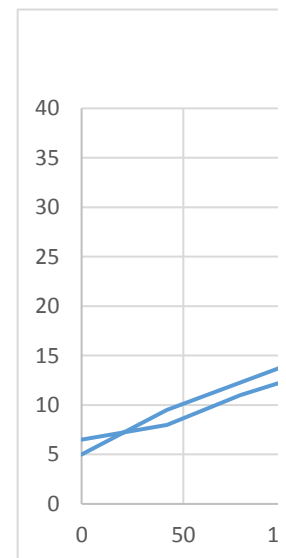


| time | I | Q | I-Q | AVG(I-Q) | $\Delta S=(AVG(I-Q))*\Delta t$ | $\Sigma\Delta S$ | |
|------|----|----|-----|----------|--------------------------------|------------------|-------------|
| | | | | | | | 0.35 |
| 0 | 5 | 5 | 0 | | | | 5 |
| | | | | 7 | 42 | | |
| 6 | 20 | 6 | 14 | | | 42 | 10.9 |
| | | | | 26 | 156 | | |
| 12 | 50 | 12 | 38 | | | 198 | 25.3 |
| | | | | 29.5 | 177 | | |
| 18 | 50 | 29 | 21 | | | 375 | 36.35 |
| | | | | 7.5 | 45 | | |
| 24 | 32 | 38 | -6 | | | 420 | 35.9 |
| | | | | -9.5 | -57 | | |
| 30 | 22 | 35 | -13 | | | 363 | 30.45 |
| | | | | -13.5 | -81 | | |
| 36 | 15 | 29 | -14 | | | 282 | 24.1 |
| | | | | -13.5 | -81 | | |
| 42 | 10 | 23 | -13 | | | 201 | 18.45 |
| | | | | -11.5 | -69 | | |
| 48 | 7 | 17 | -10 | | | 132 | 13.5 |
| | | | | -9 | -54 | | |
| 54 | 5 | 13 | -8 | | | 78 | 10.2 |
| | | | | -6 | -36 | | |
| 60 | 5 | 9 | -4 | | | 42 | 7.6 |
| | | | | -3 | -18 | | |
| 66 | 5 | 7 | -2 | | | | 6.3 |

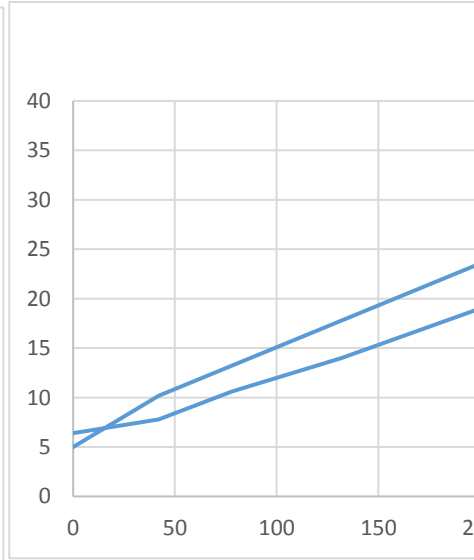
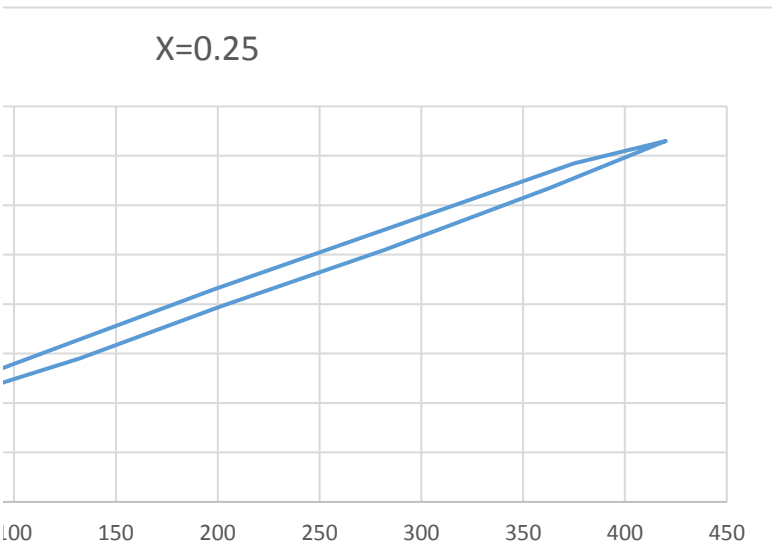
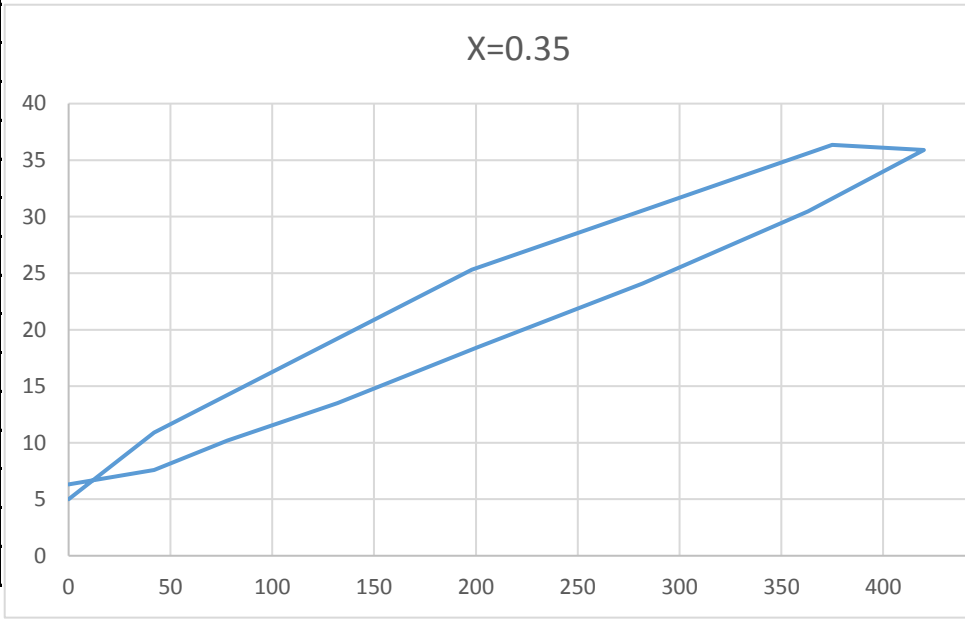
| s | [x I+(1-x)Q] | | |
|-----|--------------|------|-------|
| | 0.35 | 0.3 | 0.25 |
| 0 | 5 | 5 | 5 |
| 42 | 10.9 | 10.2 | 9.5 |
| 198 | 25.3 | 23.4 | 21.5 |
| 375 | 36.35 | 35.3 | 34.25 |
| 420 | 35.9 | 36.2 | 36.5 |
| 363 | 30.45 | 31.1 | 31.75 |
| 282 | 24.1 | 24.8 | 25.5 |
| 201 | 18.45 | 19.1 | 19.75 |
| 132 | 13.5 | 14 | 14.5 |
| 78 | 10.2 | 10.6 | 11 |
| 42 | 7.6 | 7.8 | 8 |
| 0 | 6.3 | 6.4 | 6.5 |

CHOOSE X=0.25

k=INVERSE SLOPE=400/30=13.3 HR



| X | |
|------------|-------------|
| 0.3 | 0.25 |
| 5 | 5 |
| 10.2 | 9.5 |
| 23.4 | 21.5 |
| 35.3 | 34.25 |
| 36.2 | 36.5 |
| 31.1 | 31.75 |
| 24.8 | 25.5 |
| 19.1 | 19.75 |
| 14 | 14.5 |
| 10.6 | 11 |
| 7.8 | 8 |
| 6.4 | 6.5 |





$X=0.3$

