ATC = AFC + AVC

(TC=TFC+TVC)/Q

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Q** | **TFC +** | **TVC** | **TC** | **AFC** | **AVC** | **ATC** |
| 0 | 100 | - |  |  |  |  |
| 1 | 100 | 90 | 190 | 100 | 90 | 190 |
| 2 | 100 | 170 | 270 | 50 | 85 | 135 |
| 3 | 100 | 240 | 340 | 33.3 | 80 | 113.3 |
| 4 | 100 | 300 | 400 | 25 | 75 | 100 |
| 5 | 100 | 370 | 470 | 20 | 74 | 94 |
| 6 | 100 | 450 | 550 | 16.7 | 75 | 91.7 |
| 7 | 100 | 540 | 640 | 14.3 | 77.14 | 91.4 |
| 8 | 100 | 640 | 740 | 12.5 | 80 | 92.5 |
| 9 | 100 | 750 | 850 | 11.11 | 83.3 | 94.4 |
| 10 | 100 | 870 | 970 | 10 | 87 | 97 |

The marginal cost will never intersect anywhere but the minimum on the average variable/total cost curve