

Given the following total cost (TC) functions $TC = 7Q^3 - Q^2 + 3Q + 30$

(i) find the level of quantity that minimizes the total cost

(ii) What is the minimum total cost?

Minimum total cost is 30 when production stops ($Q=0$)

TC	Q
30	0
39	1
88	2
219	3
474	4
895	5
1524	6
2403	7
3574	8
5079	9
6960	10
9259	11
12018	12
15279	13
19084	14
23475	15
28494	16
34183	17

