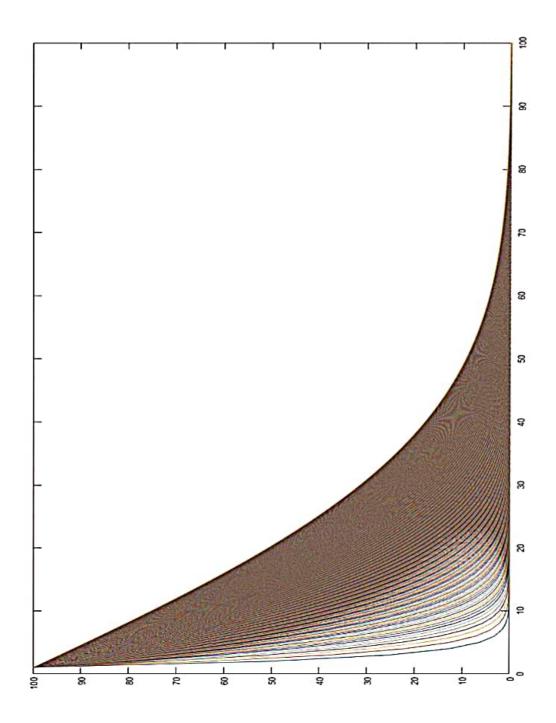
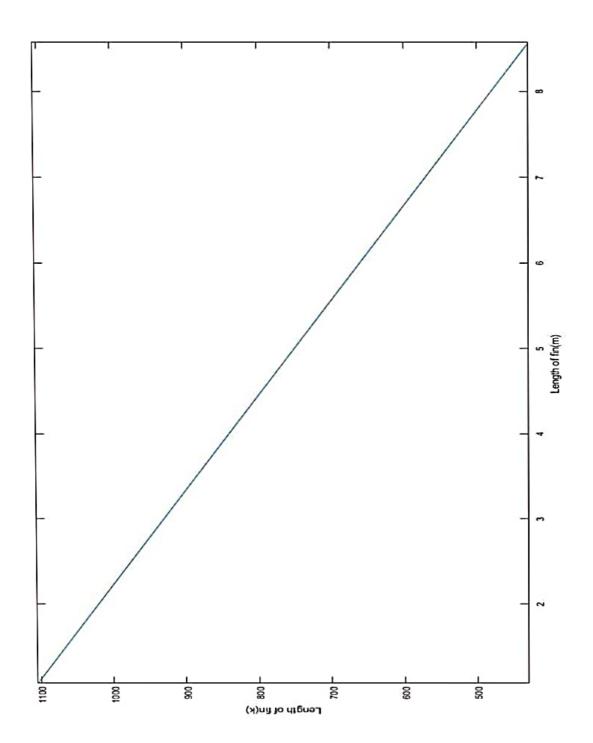
SOLUTION:

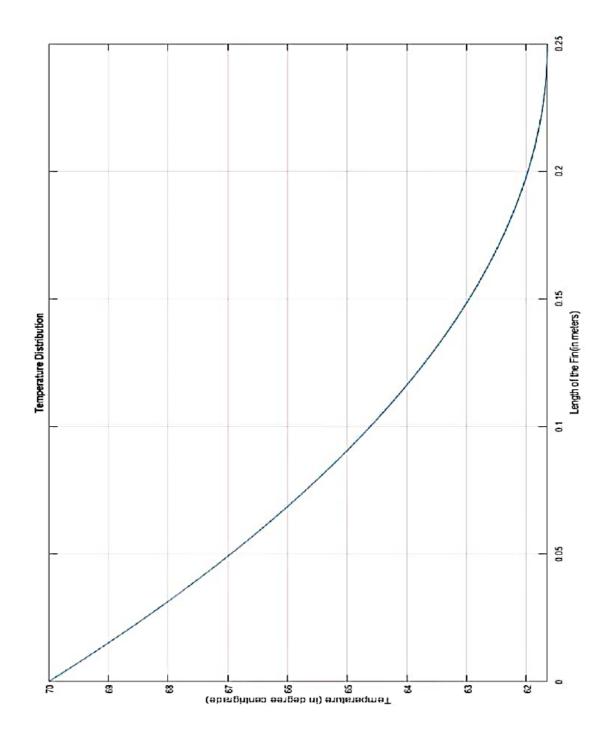
0.1050	39.2683	4.9312
0.0990	37.2759	4.5393
0.0945	35.3500	4.1745
0.0915	33.4906	3.8351
0.0901	31.6978	3.5199
0.0901	29.9715	3.2275
<u>T</u> =	28.3111	2.9564
100.0000	26.7163	2.7055
96.9897	25.1864	2.4734
93.9879	23.7206	2.2591
90.9988	22.3179	2.0613
88.0267	20.9773	1.8790
85.0754	19.6976	1.7112
82.1491	18.4777	1.5568
79.2514	17.3160	1.4151
76.3861	16.2112	1.2850
73.5568	15.1618	1.1658
70.7667	14.1662	1.0566
68.0191	13.2229	0.9568
65.3171	12.3300	0.8656
62.6634	11.4860	0.7825
60.0608	10.6892	0.7066
57.5117	9.9377	0.6376
55.0183	9.2298	0.5749
52.5826	8.5639	0.5180
50.2065	7.9381	0.4663
47.8916	7.3508	0.4196
45.6392	6.8001	0.3773
43.4506	6.2845	0.3392
41.3267	5.8022	0.3049
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SOLUTION:
Dy(x) =
diff(Theta(x), x)
cond =
[Theta(0) == 70, subs(diff(Theta(x), x), x, 1/4) == 0]
p = 0.0628
A = 3.1416e-04
m = 2.0597
eqn(x) =
diff(Theta(x), x, x) - (140*Theta(x))/33
Theta =
(70*exp(-(2*1155^{(1/2)*x})/33)*(exp(1155^{(1/2)}/33) +
\exp((4*1155^{(1/2)*x})/33)))/(\exp(1155^{(1/2)}/33) + 1)
TL = 91.6452
 / 2 sqrt(1155) x \/ / sqrt(1155) \ /4 sqrt(1155) x \\
exp|-----||exp|------|+exp|-----||70
 \ 33 /\\33 /\\33 //
             /sqrt(1155) \
            exp| ----- | +1
```

\ 33 /



SOLUTION:

