Friday, April 1, 2022 10:40 AM

Supply:
$$P-9=10 \Rightarrow P=9+10$$

$$9 + 10 = \frac{1050}{9} + 5$$

$$q^2 + 5q = 1050$$

$$9^{2} + 59 - 1050 = 0$$

$$\frac{9(2P-10)}{9} = \frac{2100}{9}$$

$$2P-10 = \frac{2100}{9}$$

$$\frac{2p}{2} = \frac{2100}{92} + \frac{10}{2}$$

$$P = \frac{1090}{9} + 5$$
Demand

$$D = \sqrt{b^2 - 4ac} = \sqrt{(5) - 4(1)(-1050)}$$

$$=\sqrt{25+4200}$$

$$a=1, b=5, c=-1050$$

$$q=\frac{-b\pm\sqrt{D}}{20} = \frac{-(5)\pm65}{2} = \frac{-5\pm65}{2}$$

$$q_1 = \frac{-5+65}{2} = \frac{60}{2} = 30 \text{ dive}$$

$$q_2 = \frac{-5-65}{2} = \frac{-70}{2} = -\frac{70}{2} = -\frac{70}{2}$$

$$q_3 = \frac{-70-65}{2} = \frac{-70}{2} = -\frac{70}{2} = -\frac{70}{2}$$

$$q_4 = \frac{70-65}{2} = \frac{70-70}{2} = -\frac{70}{2} = -\frac{70}{2}$$

$$q_4 = \frac{70-65}{2} = \frac{70-70}{2} = -\frac{70}{2} = -\frac{70}{2}$$

$$q_5 = \frac{70-65}{2} = \frac{70-70}{2} = -\frac{70-70}{2} = -\frac$$

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