



FROM THE PROBLEM $B_y = C$ (1)

$$b^2 = B_x^2 - 2 \cdot B_x \cdot A_x + A_x^2 + (c - A_y)^2$$

$$B_x^2 - 2 \cdot B_x \cdot A_x + A_x^2 + (c - A_y)^2 - b^2 = 0$$

$$\underline{B_x^2 - 2 \cdot B_x \cdot A_x + (-A_x)^2} - (-A_x)^2 + A_x^2 + (C - A_y)^2 - b^2 = 0$$

$$(B_x - \hat{A}_x)^2 = b^2 - (c - A_y)^2$$

$$B_x = A_x \pm \sqrt{b^2 - (c - A_y)^2}$$

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