

$$\begin{aligned} \frac{A}{9} \quad & I_p = I_c + A(75)^2, \quad I_{p'} = I_c + A(50)^2 \\ & I_p - I_{p'} = 15(10^6) = A[(75)^2 - (50)^2] \\ & \underline{A = 4800 \text{ mm}^2} \end{aligned}$$

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