Let 
$$\mathcal{D} = \sqrt{\frac{B^2}{p^2T}} = \frac{B}{p\sqrt{T}}$$

$$= \frac{e\sqrt{T}}{2\sqrt{B}} + \frac{B}{2\sqrt{T}} + \frac{e}{\sqrt{T}}$$

$$= \frac{e}{\sqrt{X}} + \frac{e}{\sqrt{X}} = \frac{e}{\sqrt{T}}$$

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