$$\begin{aligned} |G_{D} = -\frac{2}{4} \log \frac{2}{4} - \frac{2}{4} \log \frac{2}{4} &= \frac{1}{4} \\ |G_{Windy}| = \frac{3}{4} \left( -\frac{2}{3} \log \frac{2}{3} - \frac{1}{3} \log \frac{1}{3} \right) \\ &+ \frac{1}{4} \left( -\frac{0}{4} \log 0 - 1 \log 1 \right) \\ &= \frac{3}{4} \left( 0.913 \right) + \frac{1}{4} \left( 0 \right) \\ |G_{Windy}| = \frac{0.6851}{4} &= \frac{1}{4} \left( -\frac{1}{2} \cdot \log \frac{1}{2} - \frac{1}{2} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{2} \cdot \log \frac{1}{2} - \frac{1}{2} \log \frac{1}{2} \right) \\ |G_{Air}| = \frac{1}{4} \left( -\frac{1}{4} \log \frac{1}{2} - \frac{1}{2} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{2} - \frac{1}{2} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{2} - \frac{1}{2} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{2} - \frac{1}{2} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{2} - \frac{1}{2} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{2} - \frac{1}{2} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{2} - \frac{1}{4} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{2} - \frac{1}{4} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{2} - \frac{1}{4} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{2} - \frac{1}{4} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{2} - \frac{1}{4} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{2} - \frac{1}{4} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{2} - \frac{1}{4} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{2} - \frac{1}{4} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{2} - \frac{1}{4} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{2} - \frac{1}{4} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{2} - \frac{1}{4} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{2} - \frac{1}{4} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{2} - \frac{1}{4} \log \frac{1}{2} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{4} - \frac{1}{4} \log \frac{1}{4} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{4} - \frac{1}{4} \log \frac{1}{4} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{4} - \frac{1}{4} \log \frac{1}{4} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{4} - \frac{1}{4} \log \frac{1}{4} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{4} - \frac{1}{4} \log \frac{1}{4} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{4} - \frac{1}{4} \log \frac{1}{4} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{4} - \frac{1}{4} \log \frac{1}{4} \right) \\ &+ \frac{2}{4} \left( -\frac{1}{4} \log \frac{1}{4} - \frac{1}{4} \log \frac{1}{4} \right) \\ &+ \frac{2}{4} \log \frac{1}{4} \log \frac{1}{4} \log \frac{1}{4} \right) \\ &+ \frac{2}{4} \log \frac{1}{4} \log \frac{1}{4} \log \frac{1}{4} \log \frac{1}{4} \log \frac{1}{4}$$

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