$$\forall G \in S,\ \pi_G = \frac{1}{|datasets|\, z_G}. \quad Q_{G,G'} = \frac{1}{d(G)}$$

$$P_{G,G'} = Q_{G,G'} \min\left(\frac{\pi_{G'} Q_{G',G}}{\pi_G Q_{G,G'}}, 1\right)$$

$$= \frac{1}{d(G)} \min\left(\frac{\frac{1}{|datasets|\, z_{G'}} \cdot \frac{1}{d(G')}}{\frac{1}{|datasets|\, z_G} \cdot \frac{1}{d(G)}}, 1\right)$$

$$= \frac{1}{d(G)} \min\left(\frac{z_G \cdot d(G)}{z_{G'} \cdot d(G')}, 1\right)$$