



$$\begin{aligned}
 CG(A) &= \sum_{j \in \{A, B, C, D, E, F, G, H, I\}} IF_{A,j} \\
 &= \sum_{j \in \{A, B, C, D, E, F, G, H, I\}} \sum_{l=1}^3 ratio_{A,j}^l \times \frac{PR(A) \times PR(j)}{l^2} \\
 &= \frac{1}{4} \times \frac{0.15 \times 6.81}{1^2} + \frac{1}{8} \times \frac{0.15 \times 3.66}{2^2} + \dots + \frac{1}{9} \times \frac{0.15 \times 6.58}{3^2} \\
 &= 0.45
 \end{aligned}$$