

# Calculate $\alpha$

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Theorem 0.1: when  $|i - j| \sim \mathcal{O}(\log(n))$ ,  $\alpha_{ij} \sim \frac{1}{\mathcal{O}(n)}$

Theorem 0.2:  $B_{ij}(\mu, \nu, t) = P_i(\mu, t)P_{j(\nu, t)}$