BILL, RECORD LECTURE!!!!

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Projects By Students In Our Class

Exposition by William Gasarch

March 10, 2025

Ramsey Projects

Ramsey Projects

1. **Gary** Induced Bipartite Ramsey Theorem

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4. **Soren** Trends in graphs w rand colored edges, &
   Ramsey Theory and the History of Pre-Christian England
   An easy read so I will be assigning it to read (today!).

Non-Ramsey Projects

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1. **Mihil** Cryptography

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   Optimal Distance Measures over Shift and Affine Ciphers

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   Survey of Perm Polys wrt Cryptographical Ciphers

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2. **Ben** Combinatorics

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2. **Ben** Combinatorics
   Rigged Horse Numbers and their Modular Periodicity

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   Optimal Distance Measures over Shift and Affine Ciphers
   Survey of Perm Polys wrt Cryptographical Ciphers

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2. **Ben** Combinatorics
   Rigged Horse Numbers and their Modular Periodicity

   Won't be assigning these papers, though the horse numbers
   have come up.