

TO DO List for New Ramsey Gang

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1. Plan a non-bill meeting where those that were there will tell those who weren't there about 52 slides on
Infinite Ramsey
2. Our next meeting is Monday June 15 at 9:00PM
3. I want to see data from your programs. I do an example with fake numbers of what I want in the case of K_4 . I will want you to do similar charts for K_3 , K_5 , K_6 . The K_6 might run into time issues on your computer.

Seeking K_4 .

n	Fraction of colorings that have a mono K_4
6	0.10
7	0.11
8	0.23
9	0.31
10	0.34
11	0.51
12	0.55
13	0.65
14	0.85
15	0.87
16	0.93
17	0.97

4. Next Meeting: I will do the proof of the Infinite Ramsey Theorem. That is not relevant for our project but is good to know.
5. Meetings after that: I will present theorems that you can do experiments on like you did for $R(3)$, $R(4)$, $R(5)$.
6. I may also do a talk on combinatorics which underlies much of our work but I never gave you a talk on.