

Assignment #5 due Monday 10/23

Assignment #6 due Wednesday 10/25

Assignment #7 due Wednesday 11/1

Exam 2 Wednesday 11/1 covering Assignments 4-7

and the accompanying Chapters: Induction, Recurrence, Catalan, Stirling.

$$\Gamma_n = 4\Gamma_{n-1} + 4\Gamma_{n-2} + 3n + 1$$

$$\Gamma_n - 4\Gamma_{n-1} - 4\Gamma_{n-2} = 3n + 1$$

Characteristic polynomial is

$$x^2 - 4x - 4 = 0$$

$$(x-2)^2 = 0 \rightarrow x=2 \text{ root of multiplicity 2}$$

Solution looks like $\Gamma_n = A2^n + Bn2^n + p(n)$

↑
a polynomial

Triangulations of 7-gons

