FOCS HW/14

367n+1098 Vs 2ngisexample problem

$$n^2 + 2n + 6 = 6n^2 - 25$$

$$0 = 5n^2 - 2n = 19$$

C. There are none: No grows much faster than 12, so for any multiple you choose, shortly afterwards no will pull ahead again.

F. There are no values for which differ 4Rdgan, forevery 50 We can't pick a value where 2" will grow equally or Faster

$$h_1 = \frac{1}{\alpha_X} \left(\frac{1}{\alpha_X} \left(\frac{1}{\alpha_X} \right) = \frac{1}{\chi} \frac{1}{2 \eta(x)} \right)$$
 $N = \frac{1}{\chi} \frac{1}{2 \eta(x)}$

a. array: 1 6. array: 1 List:7 List: 1 C. array: hitnot reallocating memory (addatend) Listil (addat beginning) d. array: n-5 e. Rarray:n L:5+: 5 Listin of, arranin 154:N West ion Linked 15ti. last node could be useful for some purposes (length for 8. array: 1 (15+:1 h. array: randomelement: n-logation List random: N-location Ainkit final: -final element: 1 penultimate: 2 Penultimate: M-1 present - 2 < assuming storing of last Listipresent - 2 2. array: present - 2 not present - 2 element, othern