Chaim Greedy (2) gins a 2-approx for writer cover.
Pf: Supp that greedy picks endpoints of edges

$$e_1 - e_k$$
.
So greedy chooses 2.k vertices.
(By definition it outputs a vertex cover).
Enough to show OPTZK.
Fract, $e_1 - e_k$ do not share endpoints.
Bract & e_i - e_k do not share endpoint (say is) then
 e_j is aloredy by e_i
Fract = OPTZK. Eny writex in OPT can conv at
most 1 of $e_i - e_k$ for they do not share endpoints. So OPTZK

Let tà (lnn) k ~ et to et to the to t So after + iterations only I remains and me will be done by 10. In all & sets 1-x s e-X So Greedys 1c. Innal =1 Ollgal approx.