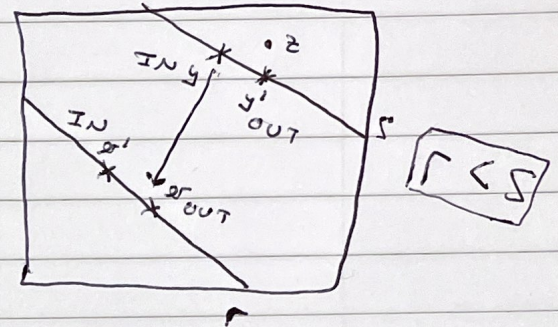
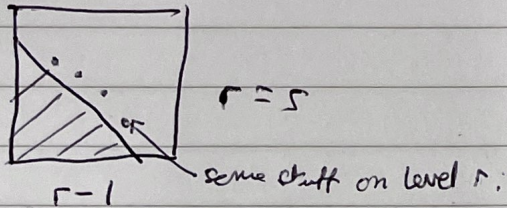
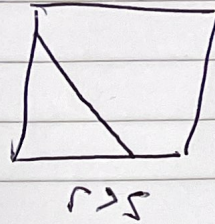
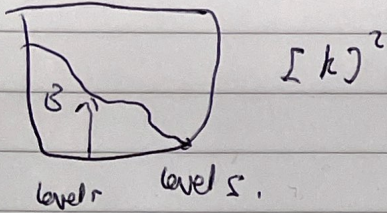


COM 31

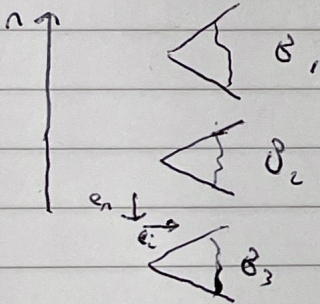
Q4.

Proof of theorem

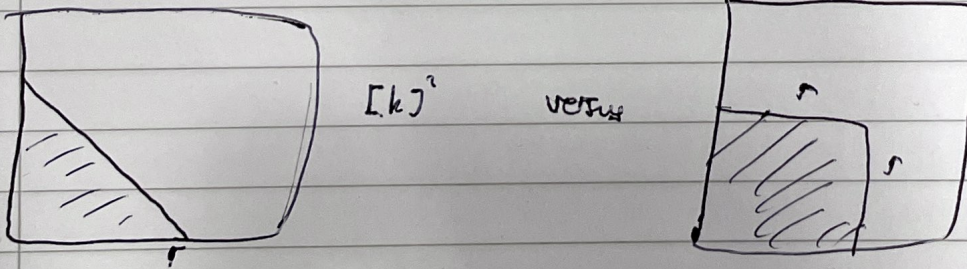
Case $n=2$



Case $n=3$:



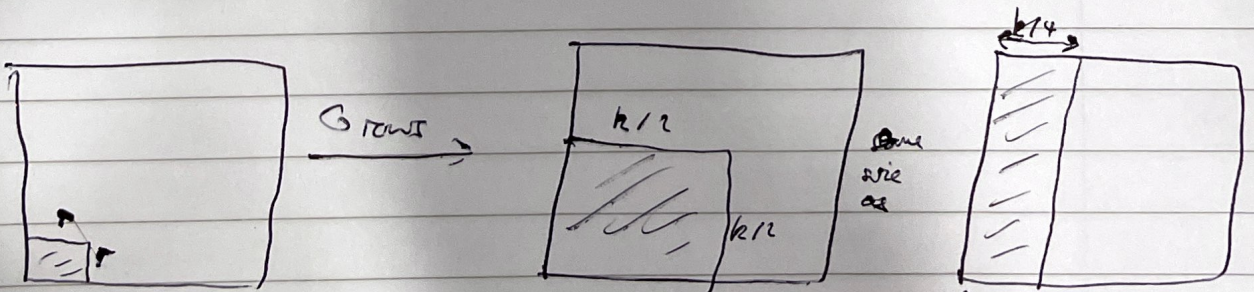
Edge-disjoint grid



$|A| \approx 2r$

$|A| \approx 2r$

However



GROW AS COLUMNS

