

$T$  and  $f : \mathcal{S}_n(T) \rightarrow k$

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$S$  and  $f : \mathcal{S}_n(S) \rightarrow k$  stable

$T$  and  $f : \mathcal{S}_n(T) \rightarrow k$



$S$  and  $f : \mathcal{S}_n(S) \rightarrow k$  stable

yields



$S$  and  $f_{\text{lim}} : \mathcal{S}_{n-1}(S) \rightarrow k$

$T$  and  $f : \mathcal{S}_n(T) \rightarrow k$



$S$  and  $f : \mathcal{S}_n(S) \rightarrow k$  stable

yields



$S$  and  $f_{\text{lim}} : \mathcal{S}_{n-1}(S) \rightarrow k$

application  
of  $\text{MTT}^{n-1}$



$S'$  homogeneous for  $f$

$T$  and  $f : \mathcal{S}_n(T) \rightarrow k$

iteration of pi-  
geonhole principle

$S$  and  $f : \mathcal{S}_n(S) \rightarrow k$  stable

yields

$S$  and  $f_{\text{lim}} : \mathcal{S}_{n-1}(S) \rightarrow k$

application  
of  $\text{MTT}^{n-1}$

$S'$  homogeneous for  $f$