T and $f: \mathcal{S}_2(T) \to k$

$$T$$
 and $f:\mathcal{S}_2(T) o k$ $\left\langle igcep
ight
angle$ S and $f:\mathcal{S}_2(S) o k$ stable

$$T$$
 and $f:\mathcal{S}_2(T) o k$

$$\left\langle \atop \right
angle$$
 S and $f:\mathcal{S}_2(S) o k$ stable

yields

S and $f_{\lim}: \mathcal{S}_1(S) \to k$

$$T$$
 and $f: \mathcal{S}_2(T) o k$

$$S ext{ and } f: \mathcal{S}_2(S) o k ext{ stable}$$

S' homogeneous for f

$$S$$
 and $f_{\lim}:\mathcal{S}_1(S) o k$

application of MTT^1

$$T$$
 and $f:\mathcal{S}_2(T)\to k$

iteration of pi-
geonhole principle
$$\left\langle \begin{array}{c} 1 & 32(1) \rightarrow K \\ \\ \end{array} \right\rangle$$

ole principle
$$\left. \left. \right. \right. \right. \right.$$
 and $f:\mathcal{S}_2(S) o k$ stable $\left. \left. \right. \right. \right. \right. \left. \left. \right. \right. \right.$

$$S$$
 and $f:\mathcal{S}_2(S) o k$ stable yields

$$S$$
 and $f_{\lim}: \mathcal{S}_1(S) o k$

S' homogeneous for f

application of MTT^1