

Exercise T simple \mathcal{Q} $(I, <)$ any linear order.

$\{a_i : i \in I\}$ satisfying $\forall i \ a_i \downarrow_C a_{2i}$

$\Rightarrow \forall J_1, J_2 \subseteq I$ st. $J_1 \cap J_2 = \emptyset$ we have $a_{\in J_1} \downarrow_C a_{\in J_2}$

Hint: 1st consider J_1, J_2 finite.