In preparation for proving Proposition ??, some further definitions:

- $\begin{array}{l} \mathbf{COM}^V = \forall y (\bigvee \{x = y : x \in V\}) \\ \mathbf{GLO}_{w,g}^{B,V} = \mathbf{LOC}_{w,g}^{B,V} \wedge \mathbf{COM}^V \end{array}$

Heuristically, we can think of  $\mathrm{COM}^V$  as asserting that the values Proof. The aim is to define a monotonically increasing sequence

- For successor ordinals  $D_0 = X$ .
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