

## **fincr\_wf\_com**<sup>12,41</sup>

Note that in this case, we use a supertype of the range to prove that 'FIncr' is well formed. Then, in the prove of wf, we show that 'f' with a restricted domain lies in the type ' $\mathbb{Z}$ '. Afterwards, we use the fact that ' $f(i) \in \mathbb{Z}$ ' for an unrestricted range. We are duplicating work.