374 Define the even integers $int{\times}2$ by construction and induction, without using multiplication or division.

After trying the question, scroll down to the solution.

§ I'll call the even integers *evint* .

$0,\ evint{+}2,\ evint{-}2\colon evint$

$0,\ B{+}2,\ B{-}2\colon B\ \Rightarrow\ evint\colon B$