What is the units digit (i.e. rightmost digit) of the number

\[
\left\lfloor \frac{10^{4028000}}{10^{2014} - 7}\right\rfloor
\]

(here \(\lfloor x \rfloor\) is the greatest integer \(\leq x\))? 

Solutions should be submitted to Morgan Sherman:

Dept. of Mathematics, Cal Poly
Email: sherman1 -AT- calpoly.edu
Office: bldg 25 room 310

before next Thursday. Those with correct and complete solutions will have their names listed on the puzzle’s web site (see below) as well as in next week’s email announcement. Anybody is welcome to make a submission.

http://www.calpoly.edu/~sherman1/puzzleoftheweek