Champernowne's constant

Problem 40

An irrational decimal fraction is created by concatenating the positive integers:

0.12345678910<mark>1</mark>112131415161718192021...

It can be seen that the 12th digit of the fractional part is 1.

If d_n represents the n^{th} digit of the fractional part, find the value of the following expression.

 $d_1 \times d_{10} \times d_{100} \times d_{1000} \times d_{10000} \times d_{100000} \times d_{1000000}$