Find an integer number such that the number formed by its first three digits is a multiple of 3; the number formed by its second, third, and fourth digits is a multiple of 4; the number formed by its third, fourth, and fifth digits is a multiple of 5; and so on. Moreover, no three consecutive digits are zeros.

For example, 288402 is a solution because 288, 884, 840, and 402 are multiples of 3, 4, 5, and 6 respectively.

The largest solution wins!