Представить в виде несократ. дроби 1.0(01)

$b = 1.0(01)$

$100b = 100(1)$

$100b = 100 + 0(1)$

$100b = 100 + \dfrac{1}{9}$

$100b = \dfrac{901}{9}$

$b = \dfrac{901}{900}$

$a = 0(1)$

$10a = 1(1)$

$10a = 1 + 0(1)$

$10a = 1 + a$

$9a = 1$

$a = \dfrac{1}{9}$

Проверка : $901/900 = 1{,}001111\ldots$

Ответ: $901/900$.