

def routine (2, n):

$x = 1$

 while $x * x < 2$:

$x = x + 1$

$x = x - 1$

$r = (2 - x * x) * 100$

$k = 0$

 while $k < n$:

$d = 0$

$y = (20 * x + d) * d$

 while $y < r$:

$d = d + 1$

$y = (20 * x + d) * d$

$d = d - 1$

$y = (20 * x + d) * d$

$r = (r - y) * 100$

$x = 10 * x + d$

$k = k + 1$