Functions

$$f_0(\pi, 8) = 6 \qquad f_0(\varphi, 11) = 7$$

$$f_1(9) = 57 \qquad f_1(|) = 124$$

$$f_2(11,3) = 102 \qquad f_2(17,16) = 11$$

$$f_3(8,3) = 2 \qquad f_3(81,4) = 3$$

$$f_4(x) = \begin{cases} x \,\%\, 6 == 0 & f_4\left(\frac{x}{3}\right) - 7 \\ x \leq 0 & 19 \\ x \text{ is prime} & f_4(x+1) + (2 * x) \\ else & f_4(x-5) + 5 \end{cases}$$

$$f_2\big(f_4\big(f_1(s)\big) * \big(f_3(2187,7) \,/\, f_0(f_3(3,2),3)\big), 11\big) = ?$$

Puzzle code

CGj4aXjhU3