15/10/25 ① 27, 176, 22, 53, 77, 74, 177, 215 200, 183, 227, 111, 77, 126 124,
Extended 66, 94, 91, 232 44, 53, 114, 71, 234, 98, 72, 106, 71, 231, 97, 203,
Wednesday 32, 15

$\langle e \rangle ::= (\langle o \rangle \langle e \rangle \langle e \rangle) | (\langle u \rangle \langle e \rangle) | \langle v \rangle$

$\langle o \rangle ::= + | - | / | *$

$\langle u \rangle ::= \sin | \cos | \text{Tan}$

$\langle v \rangle ::= x | y$

$\Rightarrow$ ⓘ $\langle e \rangle$ expand

$27 \bmod 3 = 0$

we choose $\langle o \rangle \langle e \rangle \langle e \rangle$

$\Rightarrow$ expand $\langle o \rangle$

$176 \bmod 4 = 0$

we choose $+$ $\Rightarrow$ $+ \langle e \rangle \langle e \rangle$

$\Rightarrow$ expand next $\langle e \rangle$

$22 \bmod 3 = 1$

we choose $\langle u \rangle \langle e \rangle$ $\Rightarrow$ $+ (\langle u \rangle \langle e \rangle) \langle e \rangle$

$\Rightarrow$ expand $\langle u \rangle$

$53 \bmod 3 = 2$

we choose Tan $\Rightarrow$ $+ (\text{Tan} \langle e \rangle) \langle e \rangle$

$\Rightarrow$ expand $\langle e \rangle$

$77 \bmod 3 = 2$

we choose $\langle v \rangle$ $\Rightarrow$ $+ (\text{Tan} \langle v \rangle) \langle e \rangle$

$\Rightarrow$ expand $\langle v \rangle$

$74 \bmod 2 = 0$

we choose x $\Rightarrow$ $+ (\text{Tan } x) \langle e \rangle$

$\Rightarrow$ expand $\langle e \rangle$

$177 \bmod 3 = 0$

we choose $\langle o \rangle \langle e \rangle \langle e \rangle$ $\Rightarrow$ $+ (\text{Tan } x) (\langle o \rangle \langle e \rangle \langle e \rangle)$

$\Rightarrow$ expand $\langle o \rangle$

$215 \bmod 4 = 3$, we choose $*$ $\Rightarrow$ $+(\text{Tan } x) (* \langle e \rangle \langle e \rangle)$

=) expand <e>
200 mod 3 = 2
we choose <v> =) + (Tan x) (* <v> <e>)
=) expand <v>
183 mod 2 = 1
we choose y =) + (Tan x) (* y <e>)
=) expand <e>
229 mod 3 = 1
we choose <u> <e> =) + (Tan x) (* y (<u> <e>))
=) expand <u>
111 mod 3 = 0
we choose sin =) + (Tan x) (* y (sin <e>))
=) expand <e>
77 mod 3 = 2
=) we choose <v> =) + (Tan x) (* y (sin <v>))
=) expand <v>
124 mod 2 = 0
we choose x =) + (Tan x) (* y (sin x))

Final answer =) (+ (Tan x) (* y (sin x)))