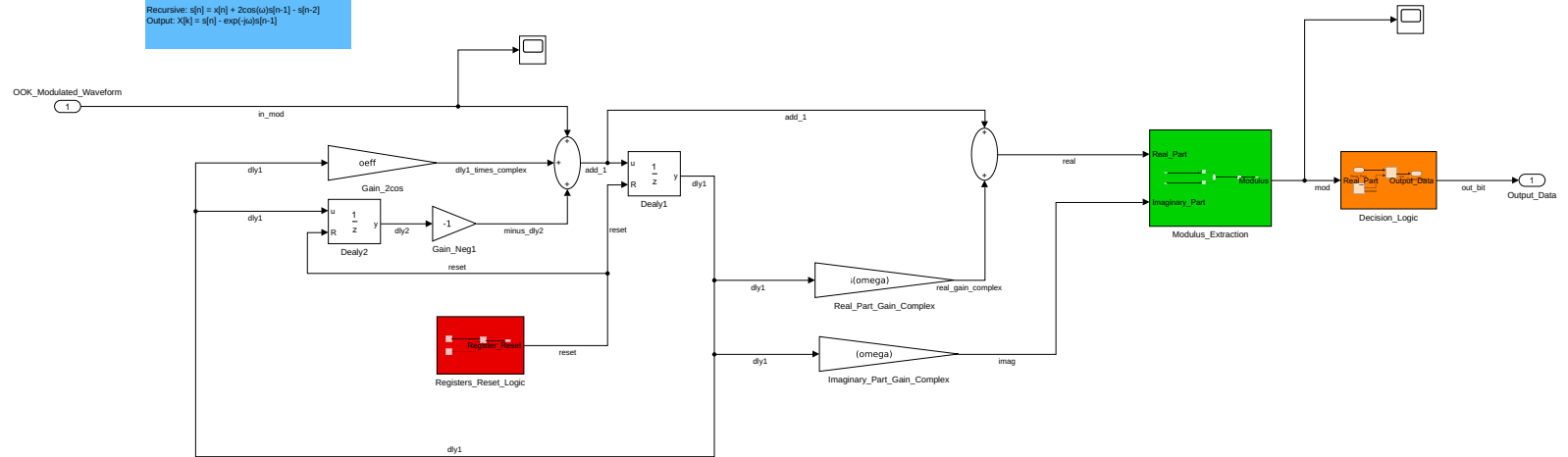
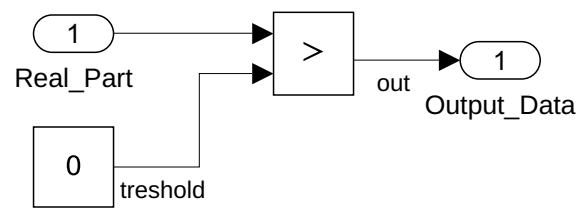
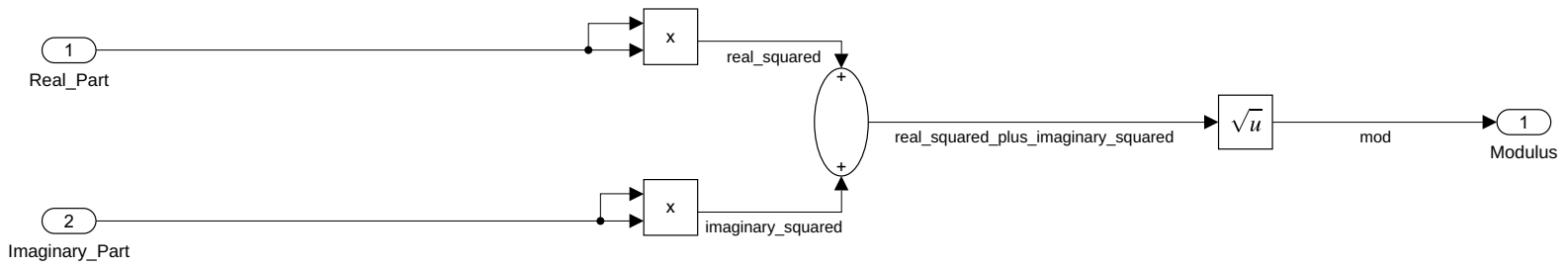


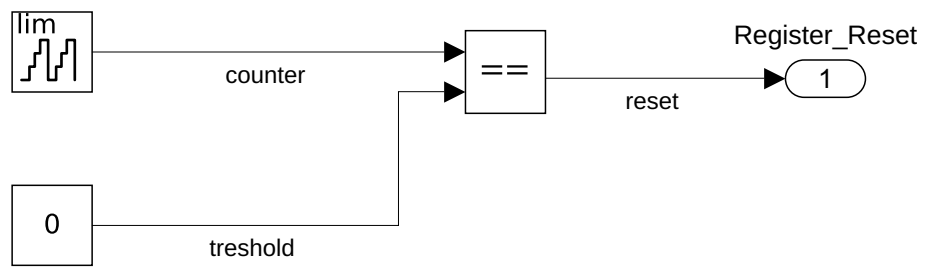
Goertzel Algorithm Parameters:
N = block length
k = target DFT bin
fs = sample frequency
 $\omega = 2\pi k/N$ rad
Coefficient = $2\cos(\omega)$

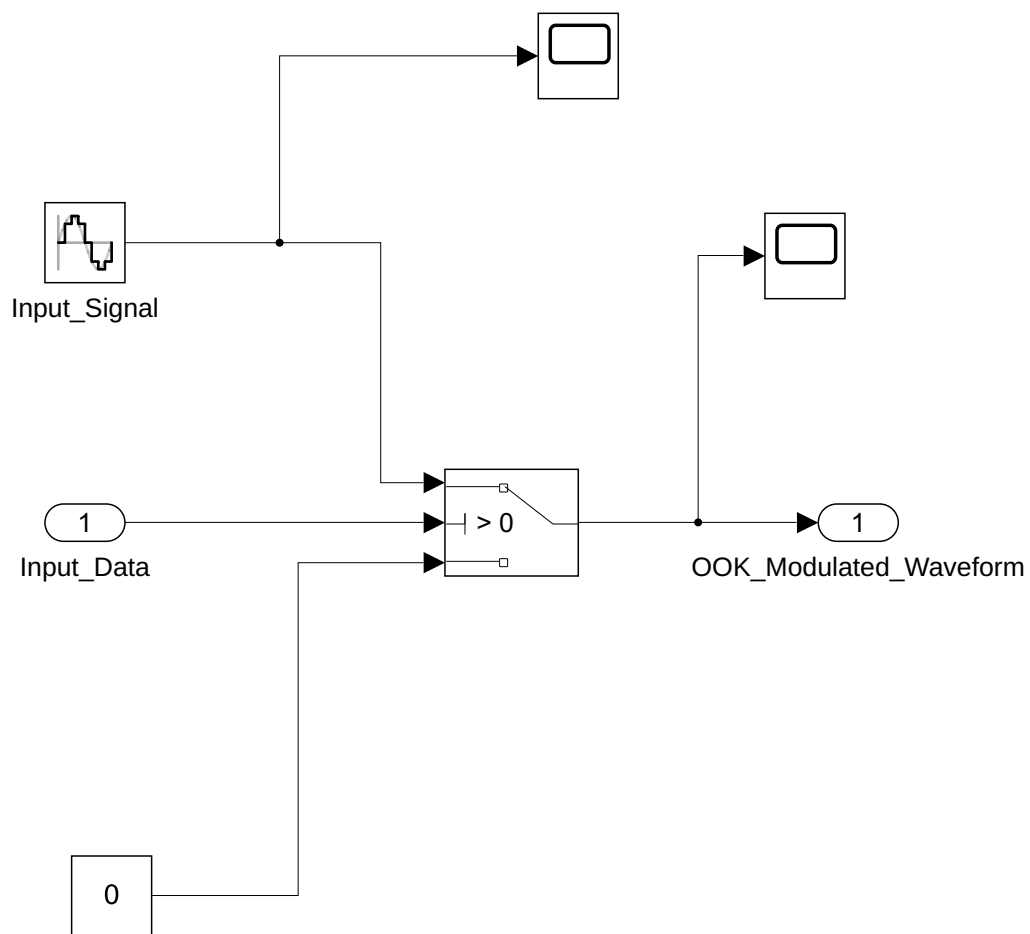
Recursive: $s[n] = x[n] + 2\cos(\omega)s[n-1] - s[n-2]$
Output: $X[k] = s[n] - \exp(-j\omega)s[n-1]$

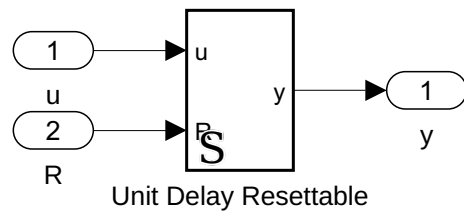


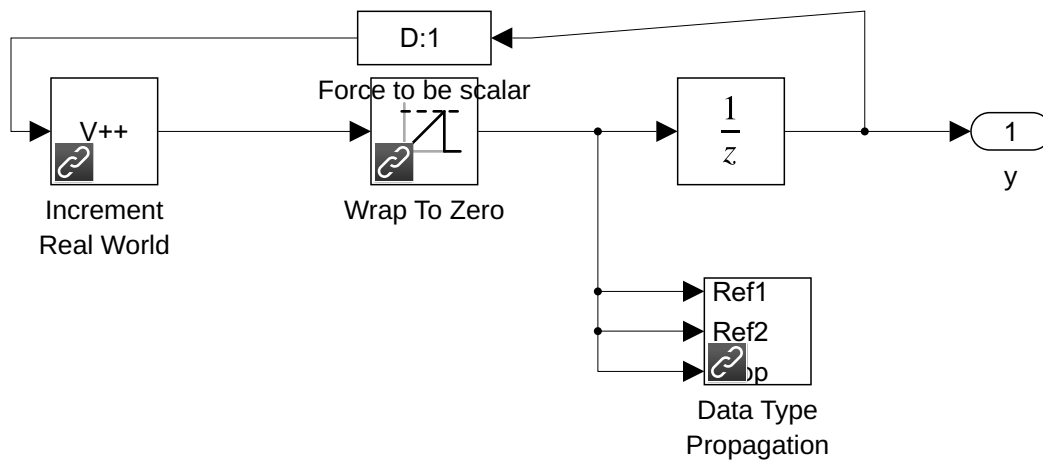












Sample Times for 'goertzel_algorithm5'

Color	Annotation	Description	Value
Gray	FIM	Fixed in Minor Step	[0.1]
Red	O1	Discrete 1	1.0000e-06
Green	O2	Discrete 2	1.0000e-03
Blue	O3	Discrete 3	1
Magenta	Inf	Constant	Inf
Yellow	M	Multirate	N/A