Example: Oblique Non-Linear Asymptote

$$\frac{-3\,x^4 + 9\,x^3 + 19\,x^2 - 78\,x + 57}{(1-x)\,(3-x)}$$

				$+(\boxed{-3\,x^2})$	$+(\boxed{-3\,x})$	$+(\boxed{16})$
$(1-x)\,(3-x)$	$(-3)\,x^4$	$+(9)\,x^3$	$+(19)\,x^2$	$+(-78)\,x$	$+(57)$	
	$(\boxed{-3\,x^4})$	$+(\boxed{12\,x^3})$	$+(\boxed{-9\,x^2})$			
		$+(-3)\,x^3$	$+(28)\,x^2$	$+(-78)\,x$	$+(57)$	
		$+(\boxed{-3\,x^3})$	$+(\boxed{12\,x^2})$	$+(\boxed{-9\,x})$		
			$+(16)\,x^2$	$+(-69)\,x$	$+(57)$	
			$+(\boxed{16\,x^2})$	$+(\boxed{-64\,x})$	$+(\boxed{48})$	
				$+(\boxed{-5\,x})$	$+(\boxed{9})$	