4.

Which of the following is the Quotient of $-3\,t^6 - 3\,t^5 + 24\,t^4 + 22\,t^3 - 49\,t^2 - 60\,t - 4$ divided by $(-t-2)^2\,(-t-1)$

				+ (3 t^3)	+ (-12 t^2)	+ (12 t)	+ (2)
$(-t-2)^2\,(-t-1)$	$(-3)\,t^6$	$+(-3)\,t^5$	$+(24)\,t^4$	$+(22)\,t^3$	$+(-49)\,t^2$	$+(-60)\,t$	$+(-4)$
	$(-3\,t^6)$	$+(-15\,t^5)$	$+(-24\,t^4)$	$+(-12\,t^3)$			
		$+(12)\,t^5$	$+(48)\,t^4$	$+(34)\,t^3$	$+(-49)\,t^2$	$+(-60)\,t$	$+(-4)$
		$+(12\,t^5)$	$+(60\,t^4)$	$+(96\,t^3)$	$+(48\,t^2)$		
			$+(-12)\,t^4$	$+(-62)\,t^3$	$+(-97)\,t^2$	$+(-60)\,t$	$+(-4)$
			$+(-12\,t^4)$	$+(-60\,t^3)$	$+(-96\,t^2)$	$+(-48\,t)$	
				$+(-2)\,t^3$	$+(-1)\,t^2$	$+(-12)\,t$	$+(-4)$
				$+(-2\,t^3)$	$+(-10\,t^2)$	$+(-16\,t)$	$+(-8)$
					$+(9\,t^2)$	$+(4\,t)$	$+(4)$

Coefficient list:

{3, -12, 12, 2}