Which of the following is the Quotient of –3 k^6 –3 k^5 + 18 k^4 + 10 k^3 – 25 k^2 + 4 k + 8 divided by (1-k) k^2 $+ (3 k^3)$ $+ (6 k^2)$ $+(-6) k^{5} + (18) k^{4} + (10) k^{3} + (-25) k^{2} + (4) k + (8)$ $+(12) k^4 + (10) k^3 + (-25) k^2 + (4) k + (8)$ $+((12 k^4)) + ((-12 k^3))$

Coefficient list: {3, 6, -12, -22}

t list: