

Calcolare l'antitrasformata di Laplace delle seguenti funzioni:

$$a) f(t) = \frac{1}{s(s+5)} \quad b) f(t) = \frac{s+1}{(s-4)^2} \quad c) f(t) = \frac{s+2}{s^2+4}$$

$$d) f(t) = \frac{2s}{s^3+3s-4} \quad e) f(t) = \frac{3s}{(s-2)^2(s+1)} \quad f) f(t) = \frac{5-3s}{(s-1)(s^2+1)}$$

$$h) f(t) = \frac{s+1}{(s^2+5)^2} \quad i) f(t) = \frac{1}{s(s+1)(s-2)^2} \quad j) f(t) = \frac{e^{-s}}{s-3}$$

$$k) f(t) = \frac{e^{-2s}}{(s^2+3)^2} \quad l) f(t) = \frac{1}{(s+1)^2(s-2)^2} \quad m) f(t) = \frac{s+2}{(s-3)^2}$$

$$n) f(t) = \frac{e^{-s}}{s^2+1} \quad o) f(t) = \frac{e^{-5s}}{(s+1)^3} \quad p) f(t) = \frac{s^2+2}{s(s+3)^2}$$