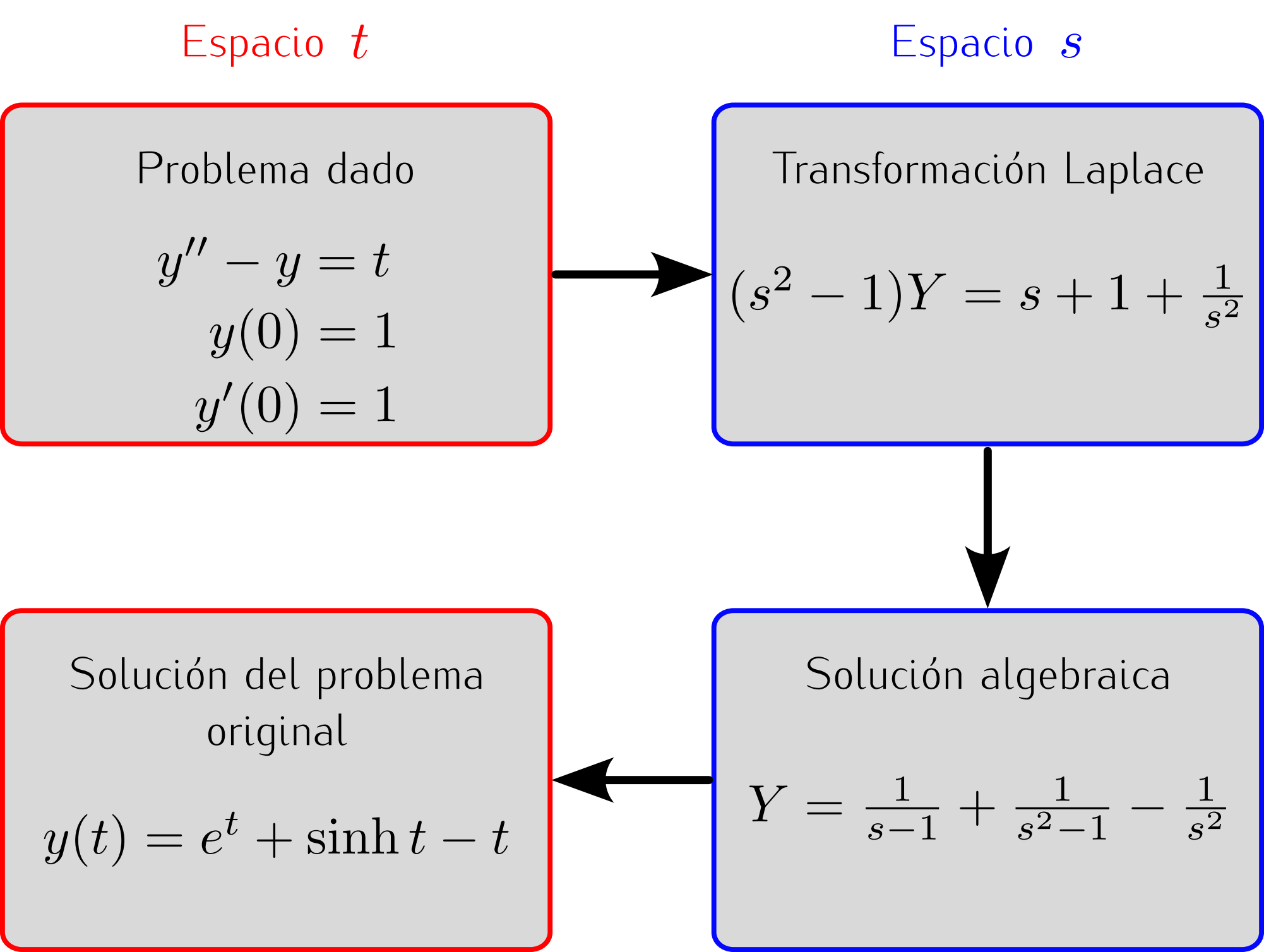
Espacio t
Espacio s
Problema dado
$y'' - y = t$
$y(0) = 1$
$y'(0) = 1$
Transformación Laplace
$(s^2 - 1)Y = s + 1 + \frac{1}{s^2}$
Solución algebraica
$Y = \frac{1}{s-1} + \frac{1}{s^2-1} - \frac{1}{s^2}$
Solución del problema original
$y(t) = e^t + \sinh t - t$