

```

[> with(inttrans) : with(plots) :
[> res := ( (A_0*(s+8)) / ((s+4)*(s+2)*s) )
[> res := (A_0*(s+8)) / ((s+4)*(s+2)*s) (1)
[> I_l := invlaplace(res,s,t)
[> I_l := A_0*(1 - e^(-3*t)*(cosh(t) + 2*sinh(t))) (2)
[> limit(I_l,t=infinity)
[> A_0 (3)
[>

```