```
> restart : with(inttrans) : with(VectorCalculus) :
> A := A0/(s+4)
```

$$A := \frac{A0}{s+4} \tag{1}$$

```
> B := 3·A/(s+2)
```

$$B := \frac{3\,A0}{(s+4)\,(s+2)} \tag{2}$$

```
> C := simplify((A+2·B)/s)
```

$$C := \frac{A0\,(s+8)}{(s+4)\,(s+2)\,s} \tag{3}$$

```
> # We weten C nu in laplace space, convert to time space
> c := invlaplace(C, s, t)
```

$$c := A0\,\left(1 - \mathrm{e}^{-3\,t}\,(\cosh(t) + 2\sinh(t))\right) \tag{4}$$

```
> # Nu pakken we de limiet van t naar oneindig
> l := limit(c, t = infinity)
```

$$l := A0 \tag{5}$$

```
>
```