

```
restart :
with(DynamicSystems) :
assume(ω, real) :
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$$G := s \rightarrow \frac{2}{1 + 3 \cdot s}$$

$$G := s \mapsto \frac{2}{1 + 3 \, s}$$

(1)

$$C := s \rightarrow \frac{k}{s \cdot (s + 1)}$$

$$C := s \mapsto \frac{k}{s \, (s + 1)}$$

(2)

```
Scelgo k=1
```

$$k := 1 : \\ C(s)$$

$$\frac{1}{s \, (s + 1)}$$

(3)

$$L := s \rightarrow C(s) \cdot G(s) : \\ L(s)$$

$$\frac{2}{s \, (s + 1) \, (1 + 3 \, s)}$$

(4)

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NyquistPlot(TransferFunction(C(s)·G(s) ) )
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