```
V7.3.19
\begin{array}{c} \text{lim}(x^{2}.e^{x}) = \begin{bmatrix} \infty \\ \infty \end{bmatrix} = \text{lim}((x^{2})'.(e^{-x})') = \text{lim} \\ x \to +\infty \\ = \text{lim}(-2.(-1).e^{-x}) = \text{lim} \\ x \to +\infty \\ \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2xe-x (1-2x)'-(e-x)=
                                                                                                                                                                                                                                                                                                                                                                                                                                                            N7.3.20
         \begin{array}{c|c} (im (x sinx) = [\infty - \infty] = (im (x sinx + x)) = [0] = (im (x sinx)) = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0] = [0]
             = - lim 2 cosx - x sinx = 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 N7.3.21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    = [0]=lim (1/x)'
                       X-700
                                                                                                                                                                                                                                                                                                                                                                                                                                                             N7.3.22
                                                                                                                                                                                                      \frac{1}{|-x|^{2}} = \lim_{x \to 1} \frac{1-x^{2}-1+x^{3}}{(1-x^{3})(1-x^{2})} = \lim_{x \to 1} \frac{x^{3}-x^{2}}{(1-x^{3})(1-x^{2})} = \lim_{x \to 1} \frac{1-x^{2}-1+x^{3}}{(1-x^{3})(1-x^{2})} = \lim_{x \to 1} \frac{1-x^{2}-1+x^{3}}{(1-x^{3})(1-x^{2})} = \lim_{x \to 1} \frac{1-x^{2}-1+x^{3}}{(1-x^{3})(1-x^{2})} = \lim_{x \to 1} \frac{1-x^{2}-1+x^{3}}{(1-x^{2})} = \lim_{x \to 1} \frac{1-x^{2}-1+x^{2}}{(1-x^{2})} = \lim_{x \to 1} \frac{
                                                                     \frac{3x^{2}-2x}{-3x^{2}(4-x^{2})+(-2x)(4-x^{3})} = \lim_{x \to \infty} \frac{3x^{2}-2x}{-3x^{2}+3x^{4}-2x+2x^{4}}
```