



260  $y = xe^{-x}$  home gli internalli di concenta  $f(x) = xe^{-x} \qquad f: \mathbb{R} \to \mathbb{R}$  $f(x) = e^{-x} + x(-e^{-x}) = e^{-x}(1-x)$  $\int_{-\infty}^{\infty} (x) = -e^{-x} (1-x) + e^{-x} (-1) = -e^{-x} (1-x+1) =$ = - e<sup>-×</sup> (z-×)  $2^{11}(x) = 0 \implies x = 2$  Candidazo FLESSO  $f''(x) > 0 = > -e^{-x}(2-x) > 0 = > e^{-x}(x-2) > 0$  $\Rightarrow \times -2 > 0 \Rightarrow \times > 2$