11m (In · Cos 2x/ 2) = [=] = ((cosx · (-2 · sin(an)): 2x) = (-2 sin 2x - 1) = 1im (- +92x/x) = [0] = 1 m (2 = -2 = -2 1im (1ny) = -2 1im y= 1 = 1 = 1 1im (=) = [007 184 x xxxxxx = -x + 1nx lim Ing = 1im In (x) x = 1im x / 1nx = =1;m-x2. Inx =0

1im 1ny =0 1im y = 1; m (x) = 1 {e} 27.3.24 11m x 1+ 1nx 11m (1ng) = 1 1/10x · 1nx = 11n 1/10x - [00] 11 m (1/x) - (1/x) - (1/x) · Inx = $= \lim_{x \to 0} \frac{1/x + \ln x/x}{(1 + \ln x)^2} - \lim_{x \to 0} \frac{1/x}{(1 + \ln x)^2} = \lim_{x \to 0} \frac{1/x}{(1 + \ln x)^2}$ = 1 x (1+/nx)2 = 1 x (1+/nx)2 = 0 = 0