

```
Sticle 24
y = 3(\frac{1}{2}) = \frac{1}{1 + e^{-\frac{1}{2}}}
Le = - tlogy - (1-t) log (1-y).
    = + t log( 1 ) - (1-t) log(1-1)
    = -t[log(1)-log(1+e-2)]-(1-t)(log 1)
   = - t(0-log(1+e2)-(1-t)clog(1)-log(e2+1))
   = t log(1+e2) - (1-t)(0 log(e2+1))
   = tlug(1+e<sup>-2</sup>)+(1-t)lug(e<sup>2</sup>+1),
  FLCE = + log(1+e-2) - (1-t)(-2- log(1+e-2)
      = + log(1+e2) - [-2(1-t) - (1-t) log(1+e2)]
     = tlog(1+e2) - [-2+t2 - log(1+e2) + tlog(1+e2)
     = thatte = )+2-t2+log(1+e2) - thatte2)$
     = 2-t2+ log(1+e2)
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Stide 26 Drie = gree ga gree