$$\int e^{-pt} dt \leftarrow \diamondsuit u = -pt, \ (p 是常数)$$
$$\frac{d}{dt}(u) = (-pt)' = -p$$
$$即 \ dt = \frac{du}{-p} = -\frac{1}{p} du$$
$$= \int e^{u} \cdot \left(-\frac{1}{p}\right) du$$

 $=-\frac{1}{n}\int e^u du$  ←然后把u换回t,因为u=-pt

 $=-\frac{1}{n}\cdot e^{-pt}+C$