```
閏6H20
· 园次开约
                                                                          国次形24年以(0)7日
   u'+au=0, u'=-a, logu=-ax+C_1, logb=C_1
    U = e-ax+C, = feax
 ·丰国定、定数变形法, C, を改加て C,(x) として、
     U = C_2(x) e^{-\alpha x}
     U' = C_2(x)e^{-\alpha x} - \alpha C_2(x)e^{-\alpha x}
    (\sum(x) = \frac{1}{\alpha}e^{\alpha x} + C_{2}
    (4(0)-
        \mathcal{U}(x) = \left(\frac{1}{\alpha} e^{\alpha x} + C_3\right) e^{-\alpha x}
        U(a) = \left(\frac{1}{a} + c_3\right) = b
c_1 c_3 = b - \frac{1}{a}
  C_{2}(x) = \frac{f(x)}{n} e^{ax}, C_{2}(x) = \int \frac{f(x)}{n} e^{ax} dx + C_{3} =
   U(0) =
                                        = \frac{1}{n} \int f(x)e^{\alpha x} \int_{x} + C_3
\frac{1}{g(x)}
\frac{1}{g(x)}
\frac{1}{g(x)}
\frac{1}{g(x)}
u(0) = \left(\frac{1}{h}g(0) + C_3\right) = b c = b
 U(x) = \left(\frac{1}{n}g(x) + b\right)e^{-ax}, \quad g(x) = \int_{a}^{x} f(w)e^{aw}du \quad (+\infty).
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YXE[0,8) fixed,

1 /imun = be-ax

Un > be-ax