7.11 op u om u-var, npulog. k m.gs.

$$f(J_{r}(\lambda)) = ?$$

$$E_{z} = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}_{zn} \qquad I_{z} = \begin{pmatrix} 0 & 0 \\ 0 & 0 \end{pmatrix}$$

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$$f(J_{z}(\lambda)) = \sum_{m=0}^{\infty} c_{m} J_{z}(\lambda)$$

$$(\lambda E + I)^{m} = \sum_{k=0}^{\infty} c_{k} I^{k} \lambda^{m-k} + \sum_{k=0}^{\infty} c_{k} I^{k} \lambda^{m-k} = \sum_{k=0}^{\infty} c_{k} I^{k} \lambda^{m-k} + \sum_{k=0}^{\infty} c_{k} I^{m-k} \lambda^{m-k} + \sum_{k=0}^{\infty} c_{k} I^{k} \lambda^{m-k} + \sum_{k=0}^{\infty} c_{k} I^{k} \lambda^{m-k} + \sum_{k=0}^{\infty} c_{k} I^{k} \lambda^{m-k} + \sum_{k=0}^{\infty}$$

 $f(x) = \sum_{m=0}^{\infty} C_m x^m |x| < R.$   $f'(x) = \sum_{m=0}^{\infty} C_m m(m-1)x^{m-2} / \sum_{m=0}^{\infty} C_m (1)^m + \sum_{m=0}^{\infty} C_m (1)^m$ 

$$f(\lambda t) = T f(\lambda t) T^{-2}$$

$$f(t)_{r}(\lambda) = \sum_{m=0}^{\infty} c_m J_{r}(\lambda) t^m$$

$$ter \left(\lambda t + T\right)^m = \sum_{k=0}^{\infty} c_k T^k \lambda^{m-k} = \left(1 + \frac{1}{2!}(\lambda t) + \frac{1}{2!}(\lambda t$$

