```
\begin{array}{l} \text{Cd} = 0.25 \\ \text{d} = 9.81 \\ \text{V} = 36 \\ \text{O)} \ \text{t} = 4 \\ \text{Zi} = 50 \\ \text{Zi} = 200 \\ \text{Zi} = 200 \\ \text{Zi} = -4.580 \\ \text{f}(\text{Zi}) = -4.580 \\ \text{f}(\text{Zi}) = -0.409 \end{array}
```

1) f(xu)·+(xi)<00123 xi > 72 71 21ct.

$$\chi_1^2 = 125$$

 $\chi_2^2 = 200$
 $\chi_1^2 = 162.5$
 $f(\chi_1^2) = 0.400$
 $f(\chi_1^2) = 0.860$
 $f(\chi_1^2) = 0.350$
 $\xi_a = |\alpha_{LREW} - \alpha_{LREW}|$

Ea = (Kr. new - Kr. od) x100 = 23.08%

의위 단순계산을 표도 정리하면,

Zl	Lu	\mathcal{X}_{t}	$f(Z_{\ell})$	f(x4) (x4) (E1/e) =
50	200	125	-4.580	0.860 -0.409 x
125	200	162.5	-0.400	0.860 -0.409 x 0.5
125	162.5	143715	- 0 Aco	0.860 0.359 23.08 > 0.5
125	143.75	134.3%	-0 409	0.034 0.021 13.04 > 0.5
134.305	143.75	120 062	0131	0.021 -0.181 6.977 50 5
139.063	143.75	141.406	0000	3.371
141.4061	143.75 11	42 972	A CONTRACTOR OF THE PROPERTY O	0.02/11.657 +5
142.58	143.75	43.164	-0.003	0.021 = 0.003 0.822 70 5
	125 125 125 134395 139,063	125 200 125 162.5 125 143.75 134.75 143.75 139.063 143.75	50 200 125 125 200 162.5 125 162.5 143.75 125 143.75 134.75 134.75 143.75 134.063 134.063 143.75 141.406 141.406 143.75 142.572	125 200 125 -4.580 125 200 162.5 -0.409 125 162.5 143.75 -0.409

ं 7 ग्रेशकारा नायन एसंस्ट्रेश स्थिता स्थिता है। इं कि के स्टर् २०१२ में देन देनरात.

$$f(x) = e^{-x} - x$$
, $f'(x) = -e^{-x} - 1$, $\chi_0 = 0$

1)
$$\chi_0 = 0$$

 $f(\chi_0) = 1$, $f(\chi_0) = -1 - 1 = -2$
 $\chi_1 = \chi_0 - \frac{f(\chi_0)}{f'(\chi_0)} = 0 - \frac{1}{-2} = 0.5$

2)
$$\chi_1 = 0.5$$

 $+(\chi_1) = e^{-0.5} - 0.5 = 0.106530$, $+'(\chi_1) = -e^{-0.5} - | = -1.606530$
 $\chi_2 = \chi_1 - \frac{+(\chi_1)}{+'(\chi_1)} = 0.5 - \frac{0.106530}{-1.606530} = 0.566310$, $\epsilon_0 = \frac{\chi_2 - \chi_1}{\chi_2} \times 100 = \frac{0.5 - 0}{0.5} = 100$ (%)

$$+(\chi_2) = e^{-0.566310} - 0.566310 = 0.001306$$
, $+'(\chi_2) = -1.567616$

$$\chi_{3} = \chi_{2} - \frac{f(\chi_{2})}{f'(\chi_{2})} = 0.566310 - \frac{0.001306}{-1.567616} = 0.567143, \ \xi_{a} = \frac{0.566310 - 0.566310}{0.566310} \times 100 = 11.7091\%$$

$$+(\chi_3) = e^{-0.567/43}$$

 $+(\chi_3) = e^{-0.567/43} = 0.0000045, +'(\chi_3) = -1.567/43$

$$\chi_4 = \chi_3 - \frac{+(\chi_3)}{+(\chi_3)} = 0.567143281, \quad \epsilon_a = \left| \frac{0.567143}{0.567143} \right| \times 100 = 0.146876\%$$

$$\mathcal{E}_{a} = \left| \frac{0.567|43287 - 0.567|43|06}{0.567|43287} \right| \times 100 = 0.0000319\% < \mathcal{E}_{s} 0 = 0.000319\%$$