2. curve ft), line l'in R \Rightarrow distance (l,f) Solve: O let l=(以), n=(日), 14所

 $| \cdot \rangle = \frac{1}{2} \| (\frac{2}{2} + \frac{1}{2}) \| (\frac$

3 to y=fr, f= (ft), ... = flyll

(i0) = f(i0) + (i0) + (i0) = f(i0)

光的人二(100)11人二类是意义

 $\int_{\infty}^{\infty} \int_{\infty}^{\infty} \int_{\infty$

 $(1) = \frac{1}{3} = (ab)f'$ $(1) = y(ab)f'' + (ab)f')^{2}$ $(1, 1)^{2} = (a b)(2 + f)(4 + f)$

distance (line, curve)

1. cure f(t), teR, point peR",

 \Rightarrow distance (p,f)

O Het LU)= 5/1/40-9/11, 1/=/40-p

小童一年一年八

(A) f_(d-(A)) = #= =7:10

(A),f(d-14)+(d-14)=(A)f="/"\"

 $=||f'(t)||^2 + \sqrt{f'(t)}$

3 use Newton's method, $a = -\frac{L(t)}{L(t)} \quad \text{i. this = the } ta$

", 3f = (a b)f', ... L = y(abf + (u bf)) $\Rightarrow t_{min} = augmin Ltf$ (5) $|ibe 4 \Rightarrow t_{min}|$, $|ha = ft_{min}|$, $|ha = ft_{min}|$, $|ha = ft_{min}|$, $|ha = ft_{min}|$