

```
lim fa) = 4 + 4270, 25270 st. 0 < 12-a < 8 => 1 fa, - L | 12 1
                          (7a + 6a) = 2
2 + 3
63) = ?
                    -- (____fa)
            1im g(t) = a = +3=33 21x-(c), g(t)=a)+31=
 9(t) >+
                                              te इसकेश छहता)
                9(4)= + 4 2035 2035 2035
   Im 7+4 = a 303
     420, NE >0, St. + NE =0<1+4-01 < 2 = 200 C.
     कि रेमिलिए सरी - ग्रेसिके
  tim glt) = a (ct g(6=a, #t)
 +20 V£70, 2N£70 S.E. +>N£ => 0< |9(4)-a|< €
\lim_{x \to a} f(x) = L \qquad x = g(t)

\Leftrightarrow g(b) \Rightarrow a + (g(b)) = L

|trm + (g(b)) = L

   4470, 3M2,>0 s.t. +>M2, ⇒ 1+(×)-1 < €,
   V€270, 38€20 5.€. 0 < | 2-a | < 8€ => ) + (2)-1 | < €2 € 30€ C €
       \Rightarrow 0 < 1 g(4) - a | \langle 5q_2 \Rightarrow | + (g(4)) - 2 | + 2
 4€>0, 3N2>0 S.t. +>N2 => 0< g(t)-a < €
 V2270, 364, 70 5.t.
         => 562011 CHEH = Noy, >0 ±>Non=>0< g(+)-a <842
                       => 0< |x-a|<82=> |+(a)-1|<42
 (im f(x) = L
 Γ ∀٤>0, 3 € >0, 5 €. 0 < | 2-a | < δε => (+(a)-L) < €
ex) f(a) = 2x+ = 5 = 6083131.
 7 + 2 0.001 12x - 21 < 5 \Rightarrow 12x - 41 < 2
   장= 을라고 같이면 212-1(년 => 12x-41 4 년
        0.1 0.001
```