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b) $(p \rightarrow q) \wedge (n \rightarrow q) \wedge E(s \vee q) \rightarrow t] \wedge \overline{t} \Rightarrow \overline{p} \wedge \overline{t}$ Ta viù: $p \rightarrow q$
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+ tx ER x2 > 4 Dong phi dink A = " = x e R, x2 & x" A dung wi 30 € 10, 02 € 0. Suy na A cai Vay A = "Ix CIR, x2 &x" và manh để A sai. Ching minh quy nap: n2 < 2", 4 n > 5. · mide tien, to de y: (n+1)2 < 2n2, tn> That vay: \n > 3, n-1 > 2 $\forall n > 3, (n-1)^2 > 4$ $(n-1)^2 > 2$ Vn > 3. $n^2 - 2n + 1 > 2$ th > 3 $n^2 - 2n - 1 > 0$ Vn > 3 $n^2 > 2n + 1$ => + n > 3, 2n2 > n2 - 2n + 1 => \frac{1}{2} \langle \frac{2}{2} \langle \langle \frac{1}{2} \langle Xis boi doing this : 12 (2", 4 2 > 5 - Yet n = 5, bai daing think (+) (=) 52 4 25 -> 25 < 32 (luco ding) Vay n = 5 the (4) dung

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