면 되 내 수의 항 a,+az+az+az+a+는 (az×a+)-(az×a+) 임은 보더라 (연명)

49, +6 = 0, +02+03+04 oleh (=112/21)

°: a, +a, +a, +a, + (a, +1) + (a, +2) + (a, +3) = 4a, +6

 $(03 \times 00) - (02 \times 01) = 40. + 6 \quad (52241)$

 $(a_3 \times a_4) - (a_2 \times a_1) = (a_1 + 2) \times (a_1 + 3) - (a_1 + 1) \times a_1$ $= (a_1^2 + 5a_1 + 6) - (a_1^2 + a_1) = 4a_1 + 6$

呈对12

If T=2 and Tn+=1-2Tn for n21, then Tn===(1+5(-2)^1) 3rd (40) 7144)

Induction Pasis

K=n=1 인 경우 Tn=2 OID, = (1+5(-2)^n-1)===(1+5(-2)^0)=2 이르고 Tn===(1+5(-2)^n-1)이다.

Induction Hypothesis

k < n-1 of aH Tk = 3 (1+5(-2)k-1) 3+2 >1-2/56/2L

Induction Step

k=n 2004 Tk=1-2Tk-1

Induction Hypothesis of elelot This = { (1+5(-2)+) 012}

 $T_{k} = 1 - 2T_{k+1} = 1 - \frac{2}{3} \left(1 + 5(-2)^{k-2} \right) = \frac{1}{3} - \frac{2}{3} \cdot 5(-2)^{k-2} = \frac{1}{3} \left(1 - 5(-2)^{k-1} \right).$

TEFZFA) BE NZI ON THEM Th = 1 (145(-2)n+) OICF. QED