

Ec(ai) = cE(ai)

< 22) = <1, 2, 4, 8, 16, 32, ... >

2(2i) = (2i+1) = (2,4,8,16,...) = (5(2i))

2く21)=モノンン

E(21) - 2(21) = (0)

(E-2) $\langle z^i \rangle = \langle o \rangle$ (Sheft left

I without 2 time
original eft

(E-3) < q.>

 $(C-3)\langle 3^i \rangle = \langle 0 \rangle$

 $(G-3)\langle 2^{i} \rangle = G\langle 2^{i} \rangle - 3\langle 2^{i} \rangle$ $= \langle 2^{i+1} \rangle + \langle -3, 2^{i} \rangle$ $= \langle 2, 4, 8, 16 \rangle \cdot \cdot \rangle$ $+ \langle -3, -6, -12, -24, \cdots \rangle$ $= \langle -1, -2, -4, -8, \cdots \rangle$ $= -\langle 2^{i} \rangle$

$$(E-a) \langle b' \rangle = \langle b' \rangle$$

$$= \langle (b-a) b' \rangle$$

$$= \langle (b-a) \langle (b-a) \rangle$$

$$= \langle (b-a)$$

(E-a)(E-b) ANNIHILATES Kal-Kb
Tn-12 = Tn+1+Tn+1
Tn= Tn-, +Tn-2+1
(Tn=Tn= - Tn= -) = (0)
(=2(Tn)=(Tu+2)
- 5 (Tn) = (-Tn+1)
$-1 \langle \tau_n \rangle = \langle -\tau_n \rangle$
$(E^2-5-1)(7n)=(1)$
ANNIHATES (G-1) (E2-6-1) (Th) = (0)
$(E-a)(E-b)$ $x^2 \times -1 = 0$
$X = \frac{1 \pm \sqrt{5}}{1 \pm \sqrt{5}}$
(E-1) (E- 1+1/2) (E-1-1/2)
-> Tx=101"+15(1+25)"+c(1-15)"
1-61801 -061801.
N->0 1 (15/2) 4
What does (E1)2 annulate?