	Clemen	t Samuel Morly :	2206082114 , Ma	Tanggal: Edis - C	
1	Kohi t	raining Itahun -	-> Kohi tetap	1 tahun -> lu	oli senior
		*(I-g.)	72 (0-8)	\lor	\downarrow
			1 6	ohi training	2 hohi training
	Kohi o	ewal = 2 huhi tra	ining	(0-3)	
	Ao =	2 hohi	61-83	8 + "0-1) A	(6)0)
	n	Kohi training	Kohi telap	Kohi senior	Jumlah
	0	2 &	0	100 - 5 A =	5 1 - 2
	1	27-50		0	
	2	6	(2 . 000	2, & A	= 10
	3	(-14.) E +	(74) 66 · A	4 8	24
	4	34 (14/1)	E- 44 = A/	10	8-458
	An= -	umlah bohi	18-P = A	P :	
	An =	2 An-1 + An-2	Ao= 2 A =	4, n >, 2	1
	A7 =	2. A6 + As		1 1 1 2	
			+ (2 A4+ A3) NCM " 2 = 1-1A	D A 1
	A7=	2. (2.As+58)	+ (2.58+24)	1 - 15 , - A F =	7 13
	A 7 =	2 . (z. Asts8)	+ (140)	* '5 A + " 1 o A	
	Az =	2 . (2.140 + 5	3) + 140	OF THE FA	(5)c) /
	A = :	2 230	1).12 = 251.)	ATT ATT	5 3 1/4
	Á = -	816,	7.40	SF. JoA.	(136)
11				2-8:125-1	1 (230)
4	1	Λ Λ	λ	2 XAnz	= \sum_2 An -1 Zn - \sum_{n=2}^{\infty} An -
I	72. A	7n-1- Hn-2, n	7,2, Ao=4,	A1 = 1 7 "=2	n=2
FI	12E + A3	£'+ = 2(A, Z + A ₂ Z ³ +) - (A.2 + A.	23+)
0	7(Z) = A	02" + A1 Z' +	JCA.Z'+A2	724).7 } 22()	102°+A, 24)
0	7(3) - 1	40 - A, Z' =	2 (G(2)-A0).	7 - 22 (612)
G	(5) ~	4 - 1.7 =	2 (602) - 4).	Z - Z2 (602	,)
6	(2) - 2	7 (CZ) + 72 ((S(Z) = 4 + 1	£ - 82	
6	(1)	-27 +22) =	4 - 72	(87.1)	(300)
		- (1) =	. 12		

$$(6(2) = \frac{4-72}{1-22+2^2}$$
 $(3(2) = \frac{4-72}{(2-1)(2-1)}$

$$G(z) = A + B$$
 $(z-1)$
 $(z-1)^2$

$$4-72=A2-A+B$$
 $(C2)=\frac{-7}{(2-1)^2}$ $(2-1)^2$

$$-72 = A2$$
 $G(2) = -7(\frac{1}{2-1}) + 3(\frac{1}{(2-1)^2})$

$$A = -7$$
 $G(2) = 7(\frac{1}{2-1}) - 3(\frac{1}{(2-1)^2})$
 $A = 7 - 3(n+1)$

$$B = -3$$

$$A = 4 - 3n_{\parallel}$$

$$A = 4 - 3n_{\parallel}$$

$$\frac{1}{2} A_{n} = 7 A_{n-1} - 5^{n}, n > 1, A_{0} = 8, A_{1} = 51$$

$$\sum_{n=1}^{\infty} A_{n} = 7 \sum_{n=1}^{\infty} A_{n-1} z^{n} - \sum_{n=1}^{\infty} S^{n} z^{n}$$

$$\sum_{n=1}^{\infty} A_{n} z^{n} = 7 \sum_{n=1}^{\infty} A_{n-1} z^{n} - \sum_{n=1}^{\infty} S^{n} z^{n}$$

$$\left(G(z) = A_{0} z^{0} + A_{1} z^{1} + \cdots \right)$$

$$A_{1} z^{1} + A_{2} z^{2} + \cdots = 7 \left(A_{0} z^{1} + A_{1} z^{2} + \cdots \right) = \left(S^{2} z^{1} + S^{2} z^{2} + \cdots \right)$$

$$G(z) = \frac{8 - 452}{(1 - 72)(1 - 52)}$$

No : _____

$$8 = A + B$$
 $45 = 7A + 5B$
 $90 = 5A + 5B$
 $90 = 5A$

$$6(2) = \frac{5}{2} + \frac{11}{2}$$
 $(1-72)$

$$A_{in} = \frac{5}{2} \cdot 5^{n} + \frac{11}{2} \cdot 7^{n}$$

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3 c An s ns"	e constitution constitution
A. = (n=1) 5 n-1	An-2 = (n-1) 5
A (n-1)5"	An-2 = (n-2) 5"
	25
10 (10-1)57	$)-25 \left(\frac{(n-2)}{2}s^{n}\right)$
An = 10 (5)	-(n-2)5")
NS = 2(x=1)3	5" - ns" +2,8"
N5 = 2N3 - 2	/) _ ns 1 = /-
N2 = N2	solusi
\\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2 2
$d A_n = n^2 5^n$	$1 \wedge \left(\right)^2 \cdot n^{-2} \left(\right)^2 = 0$
An-1 = (n-1)5^-1	$A_{n-2} = (n-2)^2 s^{n-2}$
	$A_{n-2} = \frac{(n^2 - 4n + 4)5^n}{25}$
5	
An = 10 (12-20+1) \$	- 25 ((h2-4n+4) 5")
n25" 2 n25" - 4n5"	$+25^{\circ}-n^{2}5^{\circ}+4n5^{\circ}-1.5^{\circ}$
$n^2 5^n f n^2 5^n - 2.5^n$, buhan solusi
	1 ah ou A ou A co os of a
4 a Ga = 3+32+322+3	$3\xi^{3} + \frac{2}{1-2z^{2}}$
2 1-222 = 7+223 + 425+	12: (0.0'-25.0
1-222	July on Ale
G(2) = 3+32 +322+	323 + Z + 223+425 +
	523+425+
Xn = < 3,4,3,5,0,	
	71-24
6 (scz) = 422+2-1	1 x 15 kidala berbuhij
(1-2)2	
422 2	
= + =	$\frac{1}{(1-2)^2}$

Tanggal: $\frac{4z^{2}}{(1-z)^{2}} = 4z^{2} + 8z^{3} + 12z^{4} + 16z^{5}$ $\frac{z}{(1-z)^{2}} = 0 + z + 2z^{2} + 3z^{3} + 4z^{4} + 5z^{5}$ = 0 +2 + 622 + 1123 + 1624 +2125 (+2)2 = 1 +22 + 322 + 423 + 524 + 625 -1 - Z + 322 + 723 + 1124 + 1525 Xu = <-1,-1, 3,7,11, 15,... 4 c (5(2) = 372+72-2 1-2-222 = (1+2)(1-22) $=\frac{-3}{2}+\frac{112-1}{2(1-2-27^2)}$ 112-1 = A + B 42-1 2 A (1-22) + B (1+2) (1-2-22) = A-22A+B+B2 112-1 = 2A-42A+2B+2Bz 112-1 = (2A+2B) + (BZ-42A) 11 = 2B-4A 11 = 2B+8 -1= 2A+2B _ / 3=2B 12 = -6A $B = \frac{3}{2}$ $6(2) = -\frac{3}{2} - 2\left(\frac{1}{1+2}\right) + \frac{3}{2}\left(\frac{1}{1-22}\right)$ G(2) = -3 -2 (-1)" + 3 (2)" -3 - 3 -2(-1)"-13=-31 + 27 + -222 + 223-224 +225+ ... $\frac{3}{2}(2)^{9} = \frac{3}{2} + 37 + 67^{2} + 127^{3} + 242^{4} + 482^{5} + \frac{3}{2}$ Xn = <-2,5,4,14,22,50,...)

	Tanggal:
	Kn = (0,3,13,44,) = L(2) xM (2)
5	
	La : \(\z\cup \q \
	1 (2.2.2.3.2) + < 1,2,3,9,
	$L(z) = 2 \cdot \frac{1}{1-z} + (\frac{1}{1-z})^2$
	2(1-2)2+ (1-2)
	$= \frac{(1-z)^3}{2(1-z)+1}$ $= \frac{2(1-z)^2}{(1-z)^2}$
	$\frac{(2) = 3 - 22}{(1 - 2)^2}$
	Company Let
	(1-8)1 4 2 -
	$M(2) = 7 + 37^{2} + 92^{3} + \cdots$
	= 2 (132)
	= 1-32 (sgr) (xr)) (scr)
	K(2) = M (2) x L(2)
	$\frac{3-27}{(1-2)^2}$ $\frac{2}{1-37}$
	$(cz) = \frac{3-22.7}{(1-27+2)(1-32)}$
	= 37-22 SESIESTANDAL INEN
	-323+722-52+1/, (As H = 586) + (Oct As) = 11+811
	P. + 85 and P. Ar S and
1	
6 a	Xu = <2, -2, 2, -2, 2,
	$6(2) = 2 - 22 + 22^2 - 22^3 + 22^4 + \dots$
	6c27: 2(1-2+22-23+24)
	(cz) = 2 (1+2)
	= 2 1+2// (x) = + ((x) = + (x) = (x)
	(12 //
	280° - 1-2 2, 12, 12, 12, 12, 10 " 28" 028" 1
	1 (2) 2 2 4 2 2 4 2 2 4 12 4 12 4 2 2 2 1 1 1 1
	X

L Xn = 40, 2, 5, 9, 14, 20, 27, ... 6(2) = 22 +522+924 + 1424 + 202 + 2726 + ... -7 2.6(2) = 222 + 523+924 + 1424 + 20 264 ... 6(2)(1-2) = 22 + 322 + 423 + 524 + 625 + 726 + ... -7 6,2,3,45,6,7...) ((2)(1-2)+1=1+22+322+423+524+625+726+... -> <1,2,3,4,5,6,7...> (6(2)(1-2)+1)z = 2+223+323+424+525+676+727 (6(2)(1-2)+i)(1-2) = 1+2+2++2+23+24+25+26+27 = <1,1,1,1 (6(2)(1-2)+)(1-2) == 2+22+23+24+27+26+27 (6(2)1-2)41)(1-2)(1-2)=1 (6(2)(1-2)+1) (1-2)2=1 (C27 (1-2)3+C1-2)2=1 (1-2)3 (1-2)3 $6(2) = \frac{-2^2+22}{(1-2)^3}$ C Xn Zq, 5,9,27,123,...)

Lcz) = \(\sum_{n=0}^{\quad n!} \frac{\varepsilon^1}{2} \fracpsilon^1} \frac{\varepsilon^1}{2} \frac{\varepsilon^1}{2} \frac LCZ) = 0! x0+1! x1 + 2! x2 + 3! x3+4! x4+... ln; <1, 1, 2, 6, 24, ... > Kn = C1, 2, 6, 24, ...> K(5) = = (((5) -1) $=\frac{1}{2}\left(\frac{e^{-1/2}E,C^{-1/2}}{2}-1\right)$ Me) = 1-2 6(2) = K(2) + M(2) $= \left(\frac{(2)^{-1}}{2}\right) + \frac{3}{1-2}$

=(Lc3)-1)(1-2) + 32

Tanggal :_ = (2)-(2).2-1+2+32 = (27(1-2) -1 +42 = (2) + -1+42 = e1/2 E. (-1/2) + 1+42 N = 0, 1, 2, a An = 2"+1 2" = 1-2E b An = n-1 , n 1:0 $G(2) = \sum_{n=1}^{\infty} \frac{n-1}{n} \cdot 2^n$ = $0 + \frac{1}{4} z^2 + \frac{2}{3} z^3 + \frac{3}{4} z^4 + \dots$ 6n = (0,0, \frac{1}{2}, \frac{2}{3}, \frac{2}{4}, \dots) Hn = <0,1,-1,-1,-1, -1, ...) H(2) = | N(1-2) Gn-Hn= < 0,1,1,1,1,1...> Gn = 20,1,1,1,... + Hn $\frac{1-5}{5+(1-5)|n(1-5)}$

	No :						
	Tanggal:						
_	1+32-22						
8	(6c2) = (1-2)(1-22) (2+1)						
	1+3E-22 A B C						
	(1-2)(1-27)(2+1) 1-2 1-27 2+1						
	1+32-22 = A(1-22)(2+1) + B(1-2)(2+1) + ((1-22)(1-2)						
	1+32-22 = A (1-2-222) + B (1-22) + ((1-32+222)						
	1+32-22 = A - Az - Azz2+ B-B=2+ C- (32+ Cz2						
	1+32-22 = (A+B+C)+(-A -(3)2+(-A2-B +C2)22						
	1 = A+B+C -7 3 = 3 -3C						
	$3 = -A - 3C + 1 = \frac{1}{2} - C$						
	$q = B - 2C$ $-\frac{1}{2} = C$						
	-1 = -2A - B + 2C + 4 = B + 1						
	3 = -2 A 3 = B						
	$A = -\frac{3}{2}$						
	$\frac{1+32-2^2}{2} = -\frac{3}{2}\left(\frac{1}{1-2}\right) + 3\left(\frac{1}{1-2}\right) + -\frac{1}{2}\left(\frac{1}{1+2}\right)$						
	(1-2)(1-22)(2+1)						
	$= -\frac{3}{2} + 3(2^n) - \frac{1}{2}(-1)^n - X_0 = 1, X_1 = 5, X_2 = 10, X_3 = 1$						
	Xn = < 1, 5, 10, 23, 46, > 11						
3	Eshrin awal = 200						
	Deh Depe min = 20, Pah Esde min = 25, Sofito min = 35						
	Sisa = 200 -(20+25+35) 10 datas igab delas insis						
	= 120						
a	Maksimal:						
	Del Depe = 20+120						
	= (40,,						
	Pah Esde = 25 + 120						
	= 145.,						
	Sofita = 35+120						
	= (55,,						

-> 550

$$V : \frac{20}{0!} + \frac{21}{1!} + \frac{2^2}{2!} + \frac{2^3}{3!} + \dots + \frac{2^7}{7!}$$