```
Feste 2 - 14/15
   al (a+b+c)3 = 2 (t, tuts)a6. 5ti-cts
  6) (a+213= (a+1+1)3= I (titito) at 16.16
                           = 5 (tutito / ate
    do => at = 1 cs (=0
        t2+t3=3
           le tz=3 etz=0 (3,3,0)=1
               te=2 ets=1 (0,2,1)= 371 = 3
                t1:1 ( tz=2 (6,3,2) = 3 : 3
                tr=0 e t3=3 (0,03)=
           Ob= 1+3+3+1=8
   dy => at = a' => t=1
        tz+ ts:2
                                        \begin{pmatrix} 3 \\ 4, 1, 0 \end{pmatrix} = \frac{3}{4, 11} = 3
\begin{pmatrix} 4, 1, 1 \\ 4, 1, 1 \end{pmatrix} = 6
           k ti= 2 e tz=0
           & ta=1 e tg=1
           & t2:01 t3:2
     Q1 = 17
    of =) ati= a2 => ti=7
        t2+t3:1
                                      \begin{pmatrix} 3 \\ 2,0,1 \end{pmatrix} = 3
            tz:0 t3:1
          t2:1 t3:0
     V1 = 6
   ds => at = a3 => ti=3
         611650
                                        (0,0,3)=1
              t2=0 t3=0
```

	and the same and the same
(0) (M) + (1) (K-1) - (M) (0) (M)	
$\binom{n}{0}\binom{n}{k!}\binom{n}{1}\binom{n-1}{k-1}\cdots\binom{n}{k}\binom{n-k}{0}=$	
(0/(x/)/1/(w-1) (K/(0/)	
$\sum_{n=1}^{K} \binom{n}{i} \binom{n-i}{n-i} = \sum_{i=0}^{K} \binom{n!}{i! (n-i)!} \frac{(n-i-(n-i))!}{(n-i-(n-i))!} \binom{(K-i)!}{(K-i)!}$	
$= \sum_{i=0}^{K} \frac{n!}{i! (n-k)! (k-i)!} = \sum_{i=0}^{K} \frac{n!}{(n-k)!} \frac{n!}{k!} \frac{k!}{i! (k-i)!} = \frac{n}{(n-k)!} \frac{k!}{k!} \frac{k!}{i! (k-i)!}$	riseasinelisterasineleikiteksiesineleik
$= (?) \cdot \sum_{i=1}^{n} \binom{n}{i} = \binom{n}{r} 2^{n}$	
an - 6an-1+9an-2=8	
$G_n = Q_n^{(1)} + Q_n^{(2)}$	
	ligney constructive throughout more
G(1) => an=an => an-ban-1 + gan-1:0	
$a_1 = a_1 = a_2 = a_1 = a_2 $	
Polinsmia concluridico: $x^{n} = 6x^{n-1} + 9x^{n-2} = 0$ $x^{n-1} (x^2 - 6x + 9) = 0$	
(x-3) <sup>2</sup> =0	gent to the control of the control of
7:3 A	
3 e rait duple de polinómic caralerísticos (ogo  ano = (Co+C1n) 3 <sup>n</sup>	undication with Symphosis (IAA)
(ogo	sign and the statement of the statement
$a_n^{(1)} = (C_0 + C_1 n)^3$	ervelefikterigssporterelspopse
$C^{(1)}$ , $Q$ $>$ $m_{1}$ , $q$	inklandern diskulpsdesse manacide
and les polinémic	
an : Au	
Para sates Ab, substituire an por an na religa de recomme	
89 Ao-6Ao+9Ao=8	
4A-9	
A <sub>0</sub> = 2	
an= (6+Gn)3"+2	

a= (6+6-0)-3°+2 4= 6+2 /6-2 a= (6+6-1)-3'+7 11-3(6+6)+7 2+6+3 3 ani 2non 1(x) = D Ox 2" = 00 x + D Ox x" = 1+ D (2Kak-1) x" = 1 + 2x5 ak-1 xk-1 - 1+2x 5 axx = 1+2x f(x) Uma vez que Dan II = f(x) = 52kxk Bank - Dakak ar zk => ax = 2 kx1  $\left(-\frac{1}{3}i\right) = \frac{-\frac{3}{2}\cdot\left(-\frac{3}{2}-1\right)\cdot\left(-\frac{3}{2}-2\right)}{3!} = \frac{-\frac{3}{2}\left(-\frac{5}{2}\right)\left(-\frac{7}{2}\right)}{6} = \frac{-3\times5\times7}{6\times2\times1\times1} = \frac{35}{46}$ 5 Não pois ten um cido de comprimento

it	1	2	3	4	5	6	7	Temp	
0	(0, -)	(00, -)	(00,-)	$(\infty, -)$	$(\infty, -)$	(09-)	1	47,3,4,5,64	
1	1	(4,1)	(2,1)	(w,-)	(0,-)	(do,-)	3	12,4,5,61	
2		(4,1)	1	(8,3)	(4, 3)	(17,3)	5	1724,69	
3		(9,1)	1	(6,5)	1-11	(17,3)	2	144.64	
4			4	(615)	111	(17,3)	1	164	
5				In	4	(10,4)	6	134	
Caminho mais curto:									
1-3-5-4-6									