1) 8m4t + co 4t [[sm4t] + L[cos4t] (5416) (1) t3+2t2-t+4: L(t2)+L[2t2]+L[+]+L[4] [C-4)2+4 $=\frac{31}{54}+\frac{4}{5^3}-\frac{1}{5}+\frac{4}{5}$ m) 6-st (022t) = 2 25+52 t Smi 2t [[Swizt] = 2 52+4 LLESM24] = -3 (3/24) V) + 8in 34 [[8in 8t] = 3 L + Sin 3+] = - 1 (3 5249)

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	MA ST OF ST
	19/0P/3/3/
x) {2 + q6 + 5	= - [1853-25]
	t. (52+1)4
= 21	- (3.4.0)
- 21 + 84.21 + 55 Set 52+1	= -1883+29
31 3 5 11 0	
= 2 + 8	(25+1)A
$=\frac{2}{5^3} + \frac{8}{5} + \frac{5}{5}$	
2- >	xu) suiktet
= 19 + 2/	6
$=\frac{83}{10+2}$	Using L'Asporal rule
1-61-21-30-4-79-4-101	2 Cus hot
x) 03+ (ts+4)	Pappallan
	1/4m 0 cg b 0 = 2 100
$\frac{1(f2+4)=21+4}{S^{2+1}}$	1/mi 2 cosh 0 = 2 = [0]
	() 5 2 3
$= 2 + \frac{4}{5^3}$	
	f(s)=2=2
[[(\frac{1}{2} + 4)] = 2 + 4	25-75 25-d
$L[e^{3t}(t^{2}+q)] = 2 + 4$ $(5-3)^{2} (5-3)^{3}$	= (0)
	() 5-8 = 82 P
x1) t2 Cust	
$L\left[\cos 4\right] = S$	= 2 d = 72-9 d 8
S2+12	(13=9
= S2+12(A) -S(28)	= 2CV \ In [T-2]
$(82+12)^2$	= 2 (/2 (2) In \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
= 82+12-282	V 1 5 x -2 + 100
(82+1)2	- 1/2 ln [5-27 00 4-3
$= \frac{3s^2 + 1}{(s^2 + 1)^2}$	$\frac{2}{7} \frac{\sqrt{\ln \left(\frac{1}{9}-2\right)} - \ln \left(\frac{1}{9}-2\right)}{\sqrt{2} \left(\frac{1}{9}+2\right)}$
(SC +1)	
= (52+1) x-65 + (352+1) (45)	= 1 m (00) -1/ m (5-8)
(52+1)4	J (30) 12 (842)
= - [653 - GS + 1253 + 45]	1 1 1/11/1-2)
(52+1)4	= ln + - 1/2 ln (1-2)
	= ln(8+2) 1/2
	76/35

S = S = S = S = S = S = S = S = S = S =		7 61-
$\frac{8-5}{(5+9)(5+5)} = A + B$ $\frac{8+9}{5+4} = 8+9$		C1-3
1, 3+q=0; s=-4 -q-s=-9=-9		For o
n° ex==n; s=-5		Un-
$\frac{-3-5}{-5+4} = \frac{-10}{1}$		7
$\frac{1}{844} + \frac{1}{844} = \frac{-9}{848} + \frac{-10}{848}$	4-2 (4	F
S-5 = S-5 (S+4)(S+2)		
= -90-00 + 900-36		1-7-11
= 106-4-36-94	The state of the s	

	8 4 A	

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```
1 (1-40) of - 54 pt + 5h = 0
    (1-40) A11 - 5x21 + 52 = 0
                      53-1=V
    (et 1) = d.
    Mus your
    Mu-= = 7 "
                        VEO
    your (1-23) + nymer = 2x + n(n-1) ynx-2
   = - w(n-1) Au 4 Aus
   for Wa
   -2241
   12g1 V=-28
   Un=gm1 V=-2
     ynn x -2x+ nynx-2
      = - SWAN
  gur w 2
   dr = Ju
                          V = 2
                          V=0
    yn x2 = 2yn
    WI + W2 + W3
= -n(n-1)yn-2nyn + 2yn + ynrz
= ynrz + 2yn - n(n-1)yn-2nyn
= ynrz + yn (2 = n(n-1)-2n)
= Aus + Au (5 - Us+1 - 5u)
```

