1. 248³²¹ +7 is it divisible 64 5?

$$LD(248^{321}) +7$$

$$= LD(3^{321}) +7$$

$$= LD(3^{32(x4)}+7)$$

$$= LD(81)+7$$

$$= LD(8+7)$$

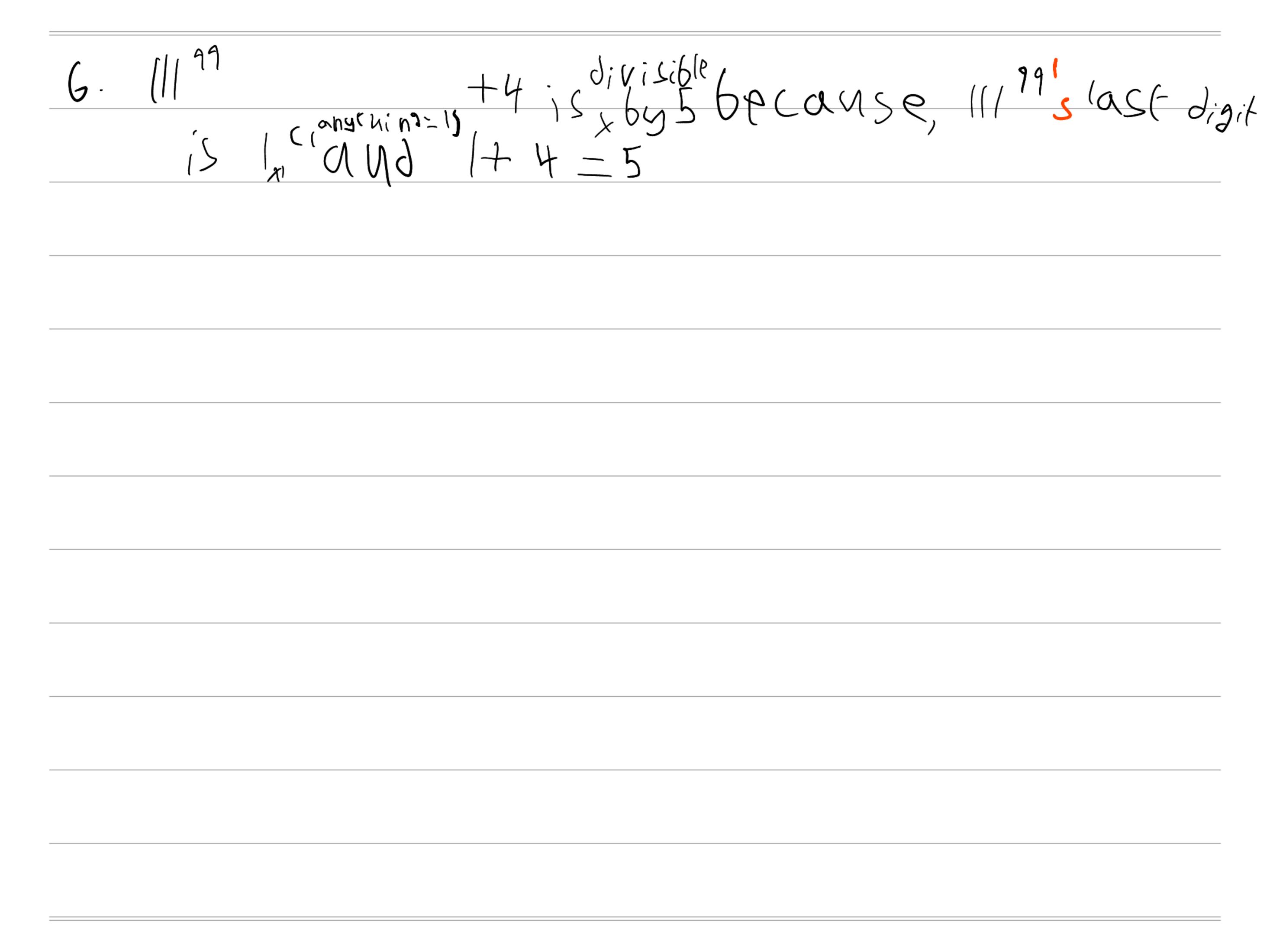
50 (248³²¹)+7 is divisible 695.

12345 + 78910 What's the last J.9:12 LD(12345)+LD(78910) = (1)(3⁴⁵) + (1)(9¹⁰)- LD (345.14)+ LD(910-1.4) -10(31)+(0(94)2 LD (3+1)

50, the lost didit of (12345)+(78910)
is 4.

4.
$$672^{55}$$
 +8 is it divisible by (0)
 $\frac{L0C672^{55}}{+8}$ +8
 $\frac{L0(2^{55})}{+8}$
 $\frac{L0(2^{55})}{+8}$
 $\frac{L0(2^{35})}{+8}$

What's the last L11987°3 - 456 4 posser 3 also bigs for the minuend) っし)(3~6) -10(-3)ICAL SQUS The the last digit) answer is 7. Which answeris correct?



7. 543 + 22233 is it on even, or oft num zer?

the number is an odd number

What's the ~ LD(2014x43014) LM20X42) = 60(24x42) di 9/t

9. 777 +23 is it divisible by 102

$$\frac{77}{-10(7777+23)}$$

$$= 10(7777+23)$$

$$= 10(7777+23)$$

$$= L D (7 + 23)$$

= $L D (7 + 13)$
= $L D (20)$

if is divisible by 10.

10. 1951 + 2862 + 373 What's the last digit! because, o's power have last digits as 9,1,7,1... and I is the remainder when 2 divides 51. So, the last digit is 9. be ause 8's powers have last digits as

8,4,2,6 and 2 is the remainder whom
4 divides 62.50, last digit is 4.

be cause 7's powers novelast digits as 7,9,3,1 and when we divide 4 with 7.3, the reminder is 1, so last digits as 7,9,3,1

$$\frac{L0 (1951 + 1852 + 1373)}{L0 (951 + 1862 + 1473)}$$

$$= LD (951 + 1862 + 1473)$$

$$= LD (93 + 1822 + 173)$$

$$= LD (97 + 1473)$$

$$= LD (13+7)$$

SO, 125456789 +1 ishot divisible

12.
$$765^{432} + 321^{987}$$
 -Whats the last digit
 $LD(765^{432} + 321^{987})$ = $LD(541)$ $L = 5^{anything}$ is 5, ansame for $S = 10$ (6) = 6

13.99765432

is it divisible by 5!

- LD (432 -9) - LD (431:4 -9) = LD(4-9) = LD(6-9) = CO(14-9) = 7 - (1) (54)

Last digit is 4

1001 LD(1001+99) - LDC(1001 +99) - () (100)

Yes!

$$(6. is 8642^{5'} - 1357^{24} LD even or odd?$$

$$LD(8642^{5'} - 1357^{24})$$

$$= LD(2^{5'} - 7^{24})$$

$$= LD(3^{5'} - 7^{24})$$

$$=$$

the answer is odd.

Last divit is 8

15 it-divisible 645 it is divisible by 3.

501 it is divisible 64 2, ant 10.