## =) plyisibility by 2:

- no. should ont with Exon no.

EN. 0, 2, 4, 6, 8 ...

hx. 55694. -> yes 6545 -> No-

- =) Divisibility by 3
- -) sum of an digit should divisible by 3.
- 2x. (95h21 =) (+9+5+4+2+1 =) 27 is divisible by3. 948653 => 35 => NO.
- -> Divisibility byh.
  - -) it last two Ligits are Livisible by h then tage. ez. (479376 +) 71 js divisible by 49+ yes. 496138 + 38 is divisible by 43 -> NI.
  - =) pivisilility by 6.
  - -) it sum or all numbers and last no should be divisible by 243.

## Ex. 3325 (-) sm = 21 Which is divisible by 3.

- =) pivisibility by 7:
- -) Double the test number and subtract trom
  the Remaining no. it that no. is divisible by 3-1 Take.

[x. 203 => 20-(342) =) |4 is Unisible by 7

(x. 2023 =) 202 - (6) =) 196 =) 19 - 12 =>7 is divisible by 7

>> pivisitility by &

> Humisch's and this ond vnitno. is divisible by & => yes.

=) Divisibility by 9.

2 sum of all digits should digisible by 9

Ex. 246591 => 2+4+(+3+9+1=) 27 -> 28.

Ex. 68956 } > No

D pivisikility by 11.

-> sum of Libberson a person odd Ajgit blace and

erm Ligit Place. E21. 29 h 3 54 17 = (7+4+3+9)-(1+5+4+2) - 23 - 12 =) 11, is divisible by 11. Ex 4832718 > YES 57463822 -> NO ٤x. Is 52563744 divisible by 242 method 1. disnisitify of 6 do h. metad 2 divisibility of 4 93/17
metad 3 divisibility of 2,3, 44.

52: 13320 7 No