Rechpitalase Legide compositie proprietati tie M + D, o: M x M -> M lg comp 1. Lege de compositie interna (parte Stabila: Ith x,y = M=) x O y E M 2. Associativitates: 12. HSOURTINITATER: HATITEIN (x0) [302)

3. Comutationter : [H) x, y c m 1 x 5 g = y 0 x j. Calc W 4. El. neutra (H) e G M a.C. (Y) x GM, x De = eox = x 1 5. El. simetritabile (14) x EM, D) x EMail. XOX = XO

(T)(M \*) = 9 rup comutiv (11)(1) = monoid(iii) non este distributira ( stop = of str) fata de « \* "

Mxx gonp womutativ: - CDMI. - EL SIMETRI DE MONDIA J-ADOC. (I) (M, \*) = grup comutatis (IV) (IV) = 9 (UP) m) este distribution (:

Culegere BAC - Pag 159 (11), 2. R; XOZ=XZ-2X-2Z+6 a)  $x \circ y = (x - 2)(y - 2) + 2$ b)  $x \in \mathbb{R}$  (x = 1), a = 1, a = 1c) 1020 - 100(1) [x-2]=(3-2)+2=xy-2x-2y+4+2= =xy-2+-2++6=x0+ (11) x03 = x4-2x-2y+6= = xy -2x -2 x + 4 + 2 = x(-3-2)-2(-2-2)+2= = (7-2)(2) +2 b) x D (21) = 14

$$= \frac{1}{2} \times \frac{1}{2} + \frac{$$

C) El. absorbant: (3) a E R a.c. (4) L C R 1x00x=a0x=a xoa -a => xa - 2x - 2a +6 =a =) -7 xa -2x -2a +6 -a =0 => 5) Ka-24-3a+6 (0 -) -3(a-2) -3(a-2) -0~> (a-2)(t-3) ~0

 $= 3 \quad 3 \quad 4 \quad = 2$ 203=2.3-2.2-23+6=6-4-2 20 ) = 2/ - 2-2 - 2/5 +6 = -4+6= = 2 = 2 = 21. 0, 0,5 = )  $\frac{1}{20}\frac{1}$ 

102030 ---- 0990100] Notet 9 = 30 --- 0990100] = 102 = 2

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