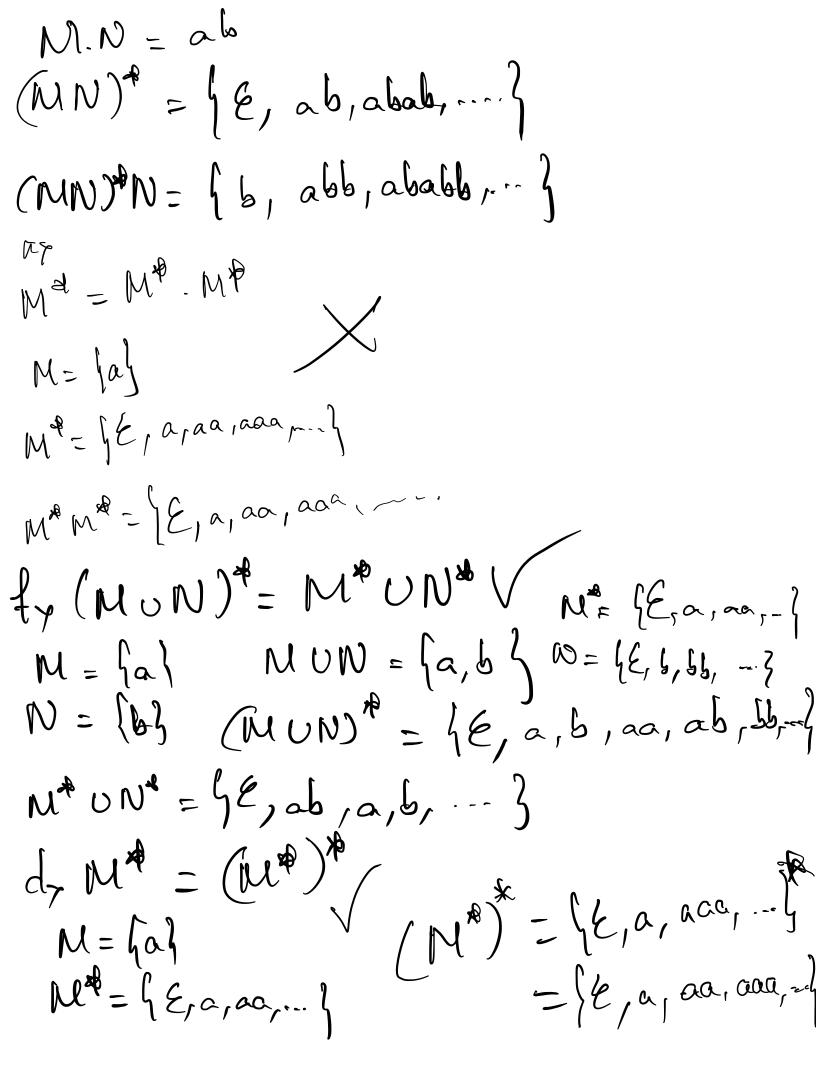
(Fo.): (Aiti) and = 0 a3cbbca a = 4 ladojddla = 2 la3cbbcalb=2 laabjjddlb=1 2> uv = abasc L= (6, (a, baac), (ab, acc), (aba, ac), (abac, c), (E, aboac), (aboac, &)) 3, v = laborablaba = 2 Le nombre d'accurrences else facteur aba w= abc labababl<sub>lw1</sub> = 4 aba

ab a aba

4 L=-{a,ab,bb} et M= {E,b,a²} 2M = {a, ab, a<sup>3</sup>, ab, abb, a<sup>3</sup>b, bb, bbb, a<sup>2</sup>bb } 2, 2= Ø et M= (a, ba, bb) 3p d= (Eget M= ha, ba, 664 M= ha, ba, bb }=M A = d = haa, ab, ba et  $Ol = [a,b]^* = infinite$   $dM = haa(a+b)^*, ab(a+b)^*, ba(a+b)^*$ L(MUN)= (LM) U (LN)  $w \in \mathcal{L}(MUN)$   $w = u \cdot v$ ve M ON aE L

3/2 M = M . M . V by M\* = (M.M)\* X M= hay m= ka,aa,oaa,-la ChMh at fut MM = haay (MM) = kaa, aaa, aaaa, ~~? c, M= M.M\* × M = (a) M== (E, a, aa, ... 4 M. N. = ha, aa, aaa, ... h ae W ax w. re dy M# = (M\*)\* ex M.(N.M) = (M.N).N M= faq N.M= { bas N = 964 NM= 18, ba, baber .....9 N. (NM) = hbba, bbaba, bbababa, ...}



3x (MON)\* = MANNA  $M=\{a\}$   $N=\{aa\}$   $M^{*}=\{e,a,aa,\dots\}$ M n N = Ø N = lé, aa, aaa..... 4  $(MON)^{\dagger} = \emptyset$   $M^{\dagger} \cap N^{\dagger} = \{\xi, \alpha\alpha, \alpha\alpha\alpha, \dots\}$ hp (MUN) = (M\* N\*) M= fag MUN = fa, b3 N= {E, b, b6b, ....} N=(b) M= {6,0,00,...}  $(\mu\nu)^* = (\epsilon, a, b, aa, bb, ab)$ NT. N= 5E, a, b, ab, aa, b..... (M. N.) = 5 E, a, b, aba, aaa, boo, .....}

ix (MUN)\* - (M\* N)\*. M\* M=[a] MUN= ha,b) M= 46,a,aa,...] N= gbb (MUN) = he, a, b, aa, bb, abrahand M\*. N = h b, a, aab, aaab, ... } (mt. N) = (É, b, a, aab, aaab, aaabb, ...) (Mt.N)\* M={E, ba, baa, basa, abba...} Toug 1 2 6 5 a 6 3 2, 2 [ b\* a b\* a b\* ] = { babab, baa, ...} 3p £ ((a+6)\*a. (a+6)\*a. (a+6)\*j 4, & [[(a+b)\*a. (a+b)\*a. (a+b)\*]+ [(a+b)\*b.(a+b)\*b.(a+b)\*])

5, I (b\*ab\*ab\*)\*

6, I ((b\*ab))\*

1, I ((b\*ab))\*

8, I (b\*ab)

9, I (b\*ab)

9, I (b\*ab)