bef: $\exists e \ \xi_1, \xi_2 \ doua \ althobete. \ \forall : \xi_1^* \rightarrow 2^* \ s.m. rubstitute$ $daca: 1) \ \forall (\lambda) : \underbrace{3}{\lambda}$

2) \$(x.y) = \$(x) . \$(y)

Def: K: 51 -> 52 mm. morfrom daca:

1) K (X)2X

2) K(x,y) 2 K(x) . K(y), (x) x,y e E,*

INCHI DEREA LA SUBSTITUTU SI MORTISME INVERSE

Fig K: 5, + -> Ex un morfrom.

Pontru w ∈ \(\frac{7}{2}\), K-1(\(\omega\) \(\omega\) \(\omega\)

K-1 (W) 2 3 x | K(x) E W, X E Z, + 3, L2 E Z*

(fana erma de pompone)

pp. ca L e regulat 2) pentou où montion R avenu $R^{-1}(L)$ e regulat. File $R_1: 3a_1b_1c_1^* \rightarrow 3a_1b_1^*$ cu $R_1(a)_2a$ $R_1(b)_2ba$.

2) Ri-1 (L) e regulat

 $R_1^{-1}(L)_2$ $\frac{1}{3}$ $\frac{1}{3}$

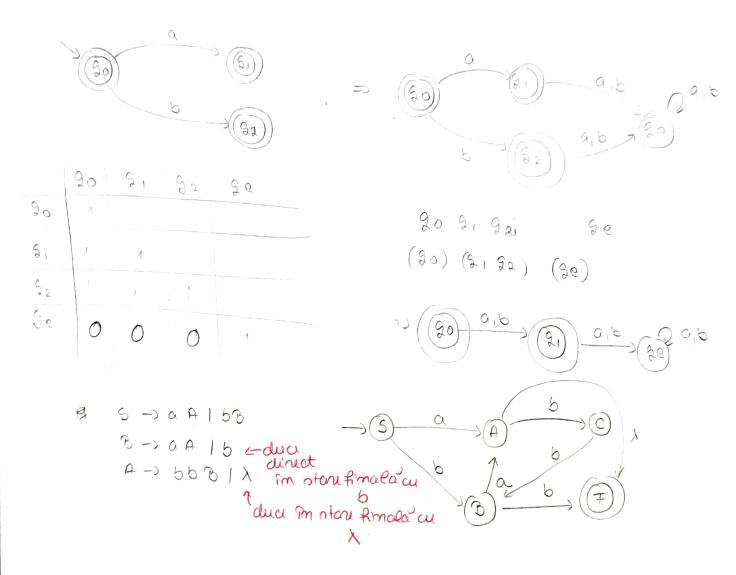
Horadi

min AF6 - AF6

im ponto multimea de stave em 21 grupuri: finale ni nafinale.

Pars 2: Recurrir, vouige dace soucen 2 stánidimentr-um set ment echivalente. Daca mu ment echivalente re openge muchimea.

Pas 3: cand mu ne mai fac mo de frain impormond ca am gant

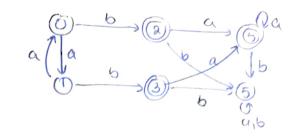


DFA- DFA mum (Myniel Merode)

1. Determinaria stagilor echivalinto.

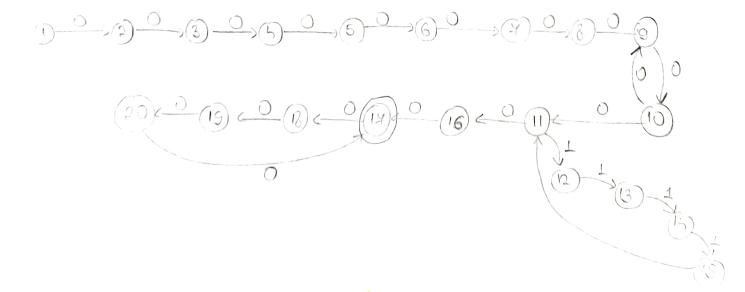
* DFA-ul tribuiesa fe complet

facim tabelul



	0	4	2	3	5	15
0	1				·	
_ (01	1				
2	O	O	1			
3	0	0	1	A		
5	0	O	(1	X	
5	O	O	0	0	0	(3)

- · morchet au o perichie (ntere finala, ni finala)
- · marchet au 0 toate peredrier ((1, 1) at (Mg, 1 x), o(r, x))
- · respetam pana nu mai exista modificati false, α ∈ Σ
- 2. Gruparea stanier echivalente
 - . statile (a, b) most echivalente daca au true între ele
 - · transitie von fi acream dim automotive mittal door ca tinand come of grupory
- 3. Calculance stanier initiali n' finale
 - · stare initiala = aa case contine otarea initiala din auto matul
 - · stánile Rimale = compuse dun stáni fimale
 - 4. Eliminaria stárilor diode end
 - 5. Eliminaria ntánila imaccenibile
- 1) comotouiti um tota pt: L2302K 150 0 70-2/ K25, P, 1/21?



XHFA - HFA

1. calcularea N- im chiduri



2. Calculoria function de transitio d'





3. calcularea ntanila fimale n' imitiale

- -> otaria imitala ta mane acioni
- -> otaria finala: otarila care contin otaria finala din automatul initial
- 4. Eliminaria staniber redundante
- -> au acremi conactor du ntaru fimala n' au occerani tramiti

HTA -> DFA

1. Pornim o coada in care adougam storea muticala go. It freaze Har din coada n' pentru fiecone caracter din affabet faum calculul:

daca or (g, a) = gro, ... gxx, K≥0 atumei:

- · out of one gro. gric
- · daca acianta store mu a mai font visitata, o adaug
- · repetam cal areul pama când coada orvine vida
- 2. -> otoreo initiala tamán acuan
 - -) stones finala: toote con au in componenta' o stone det automatue metice.
- 3. Rediminarion statice