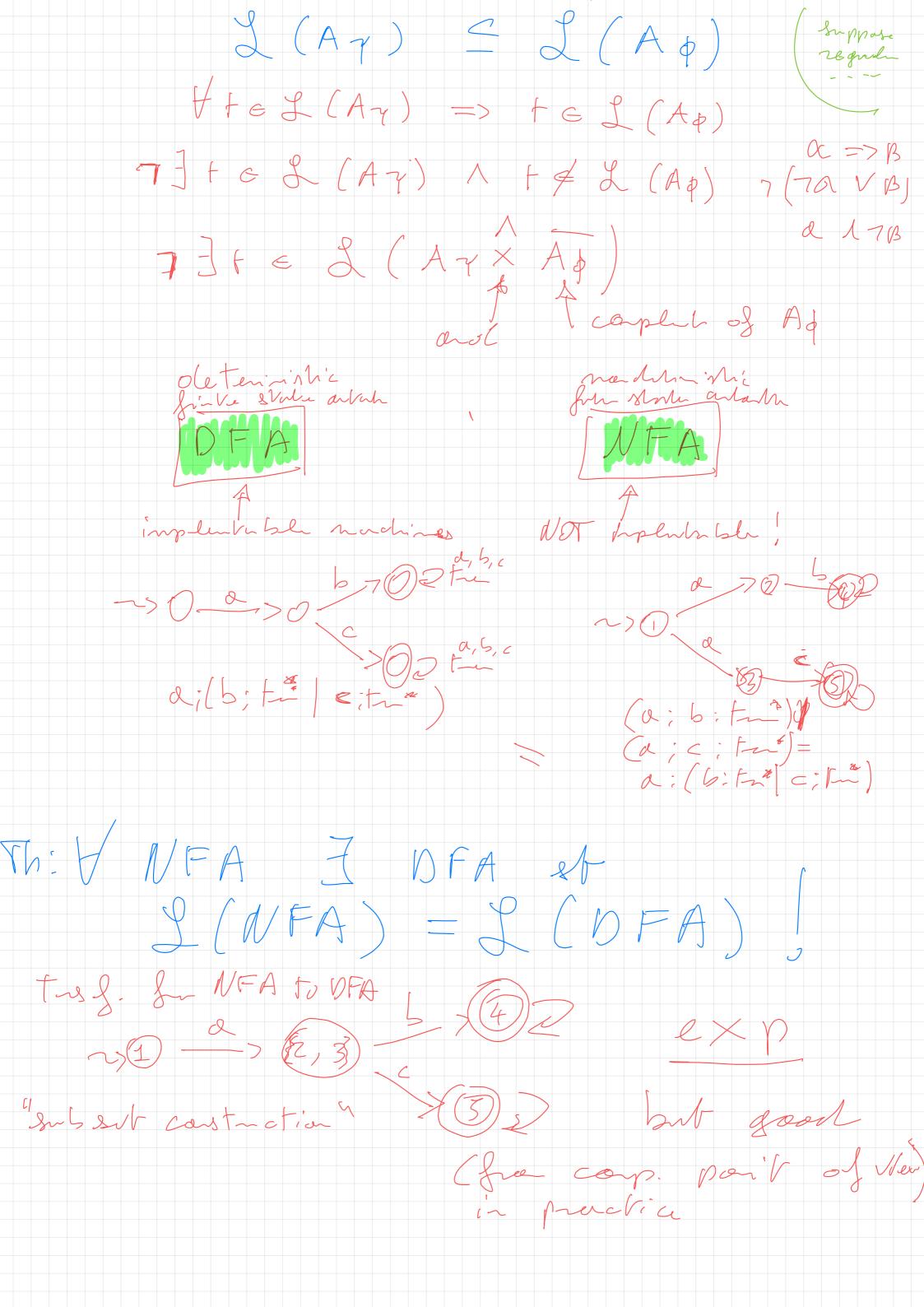
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MFA Adj ASCA A SCI poly MRA Adz Add VAJCz poly 7 A LI comete poly Ans Maly Ans VAnz Mely Ans cople.

Ans to the second of the second al phi Bre F DE Meny 

MFA can be checked for

emptines / non-exptines

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regain real a billy a graph (the graph of the NFA)

checks for your Teach of the graph of the NFA)

 $L(T) = L(\phi)$ S(Ay) CS(Ap) Hr. feS(Ap)=NeS(Ap) 2 (Ay) 1 & (Ap) = 8 73 F. Fel (Ay) 1 + 4 1 (Ap) S (A7 1 A p) = p

paly (exp & spaly But an fortuly are comet as Becare our traces one in-fulie But we can use Co-regula la guages 2 = >\* · Reg Lag. L: Le Swe in the first · W-red Lag L: S = S (A) Non-determination

Sinds centometer

L Birds centometer

MBA nReg S; · w-reg Lag g: A = (\(\frac{\gamma}{\gamma}\), \(\frac{\gamma}{\gamma}\), \(\frac{\gamma}{\gamma}\gamma\), \(\frac{\gamma}{\gamma}\gamma\g finile sel es stat - So find Sub ef i And Mn So ES

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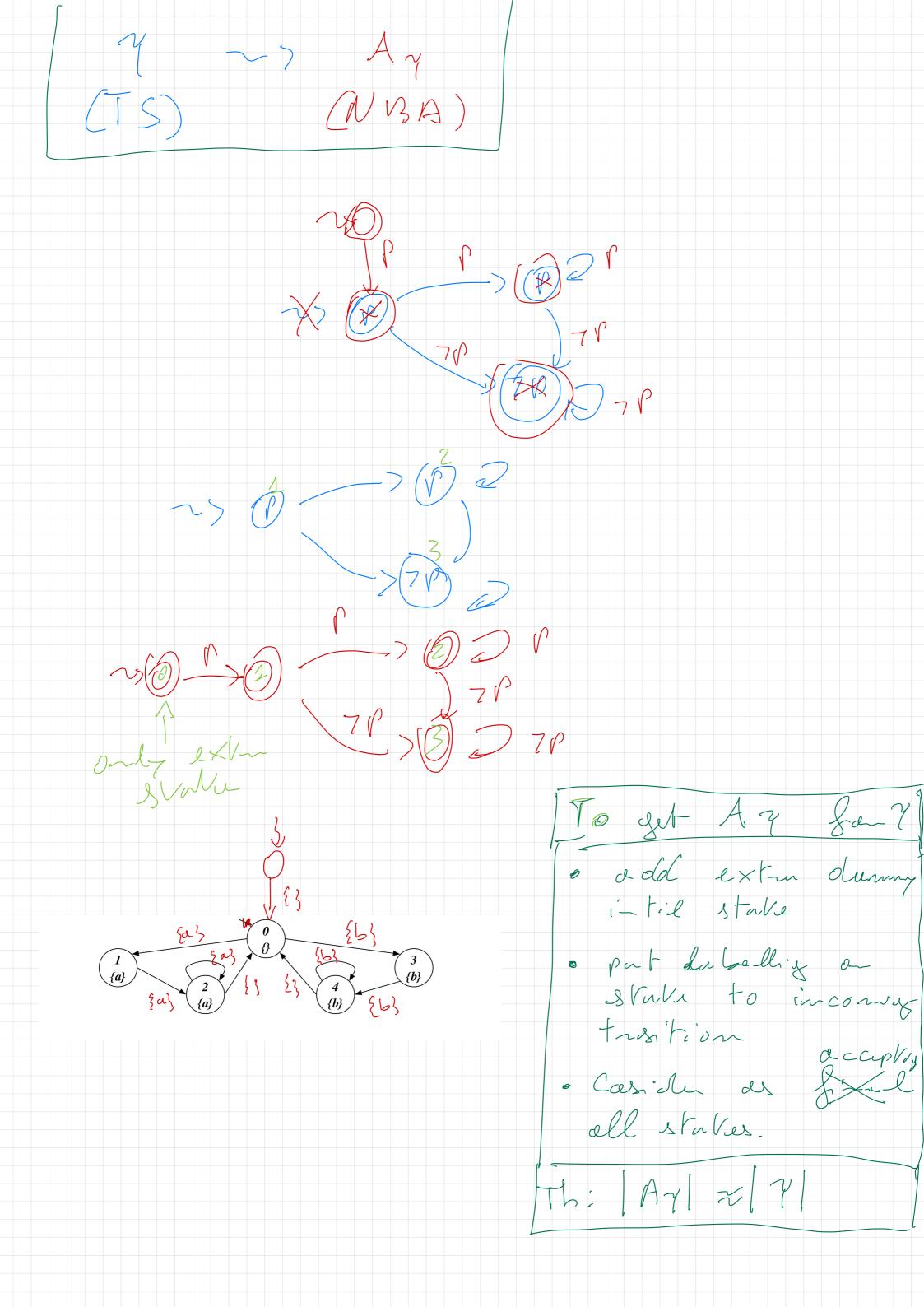
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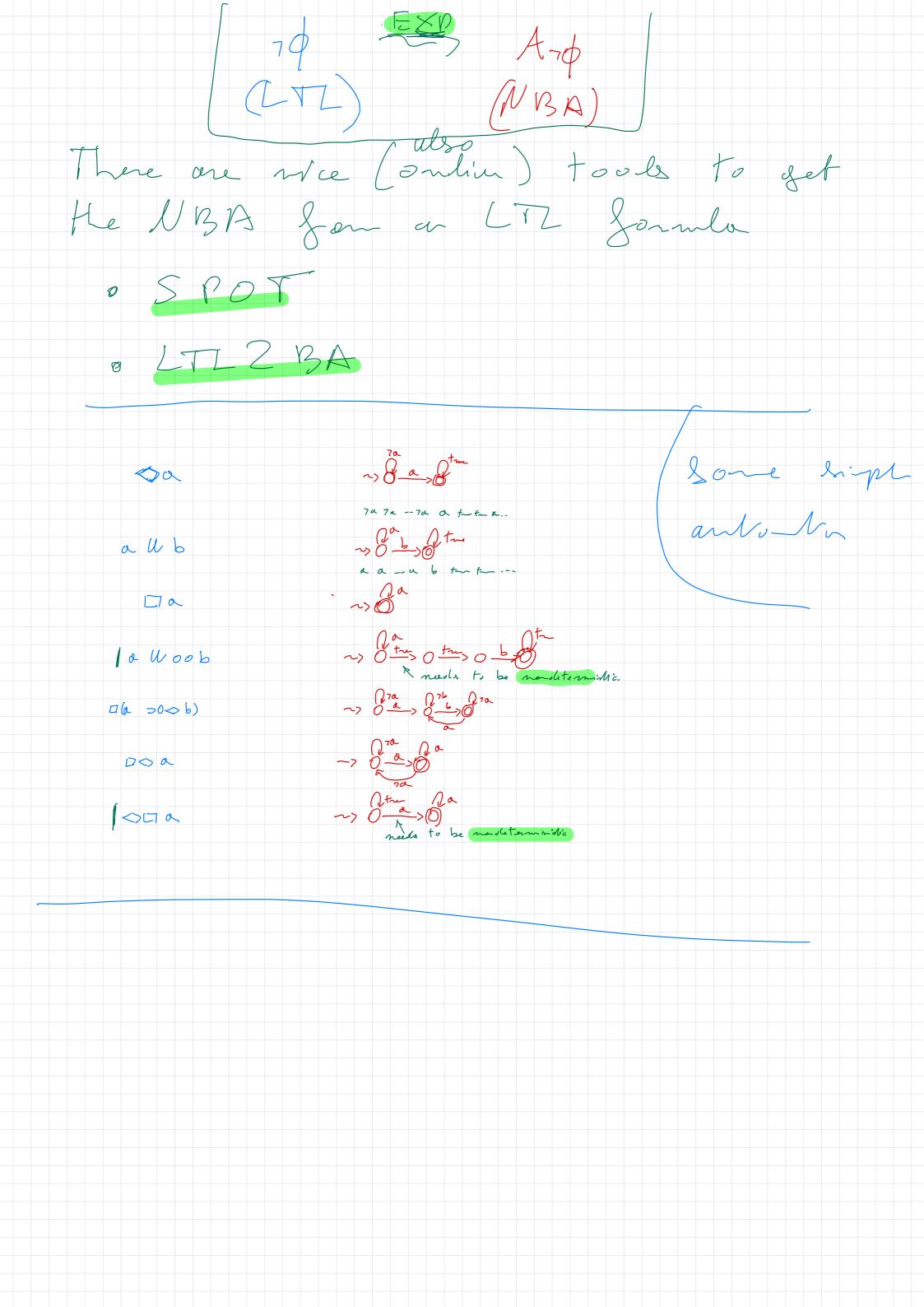
U for SMACE

U find Fin She and a loan Vo it u lary! 2 X m y. (F1<-> X) J<-> Y) n-calc famels to check for "fort redstally" F F - - -

Ab Ay NBA NBA 2 (Ay) = 2 (Ap) S (Ay A A) = 0 A this is too difficit Vo i plut in a Scale Cole way too ough canal 7  $A7\phi = A\phi$ 2 (A) (Check)

Noly





7 ~ A 7 A 7 A 7 A / Nrednit Ay 1 A 7 p every state
is accepting ! Ay = (E, Sy, Soy Fry, Fy)  $A_{7}\phi = (E_{1}S_{7}\phi, S_{07}\phi, t_{2}\phi, F_{7}\phi)$  $A \times A + \phi = (2, 5, 5, tz, F)$ o I is the alphall of both Ary get A76 . S= Sq × S7 φ (3q, 3,φ) e S => 3q e Sq cd 3rφ e S7φ . So = Soq × S07φ b. M antonto 2 Vant for i-til state et = Sq X Frb FR chick only A7 & gil.  $\bullet$   $t_2:S\times S \longrightarrow Z^S$ Interitively: Tun the two antomator Simu Vareosly

NBA is not envy iss Come of its) i'h'e strike he lags to He extension af the fallowing m - calc former: Jair reache Why J. D. X. o. M. (FACTOR) X V < ~ L > J So A II P J F J N-colc Observe: when evaluating over NBA.

your may find states without successor; this never happer where we evalute u-calc over TS, si-ce TS need to execute freder to Severette in five traces - "time never ends"

