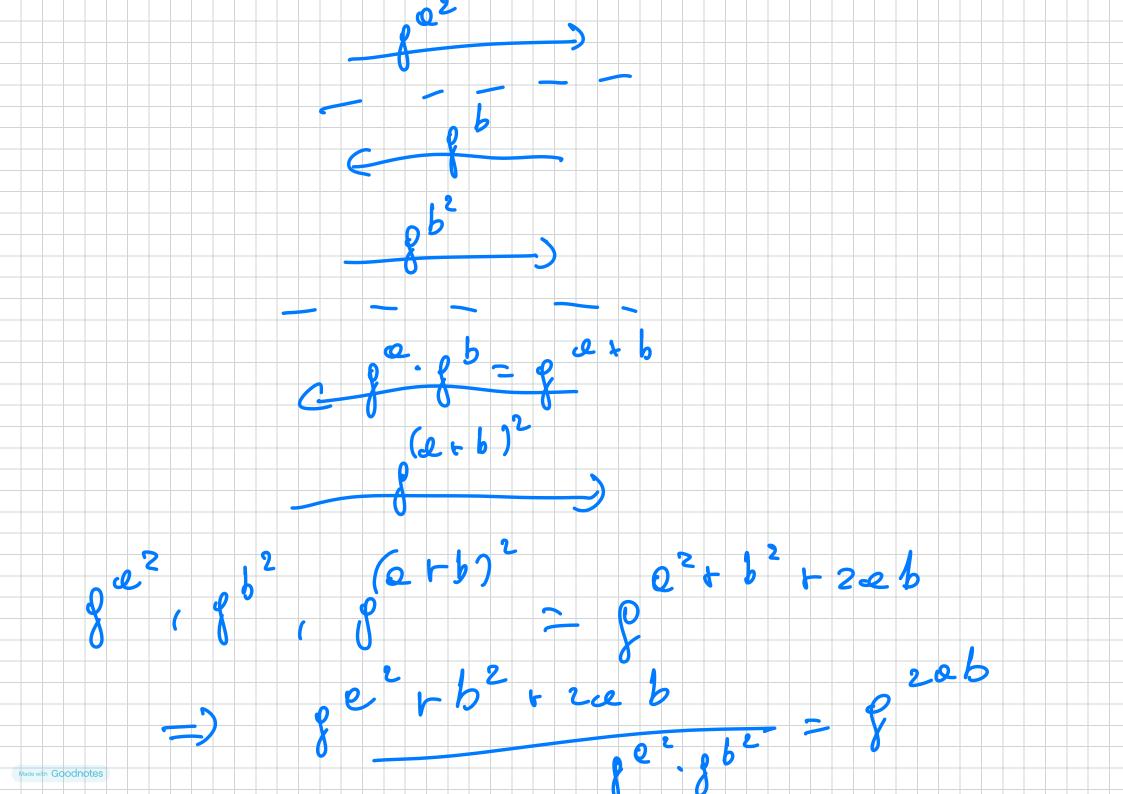
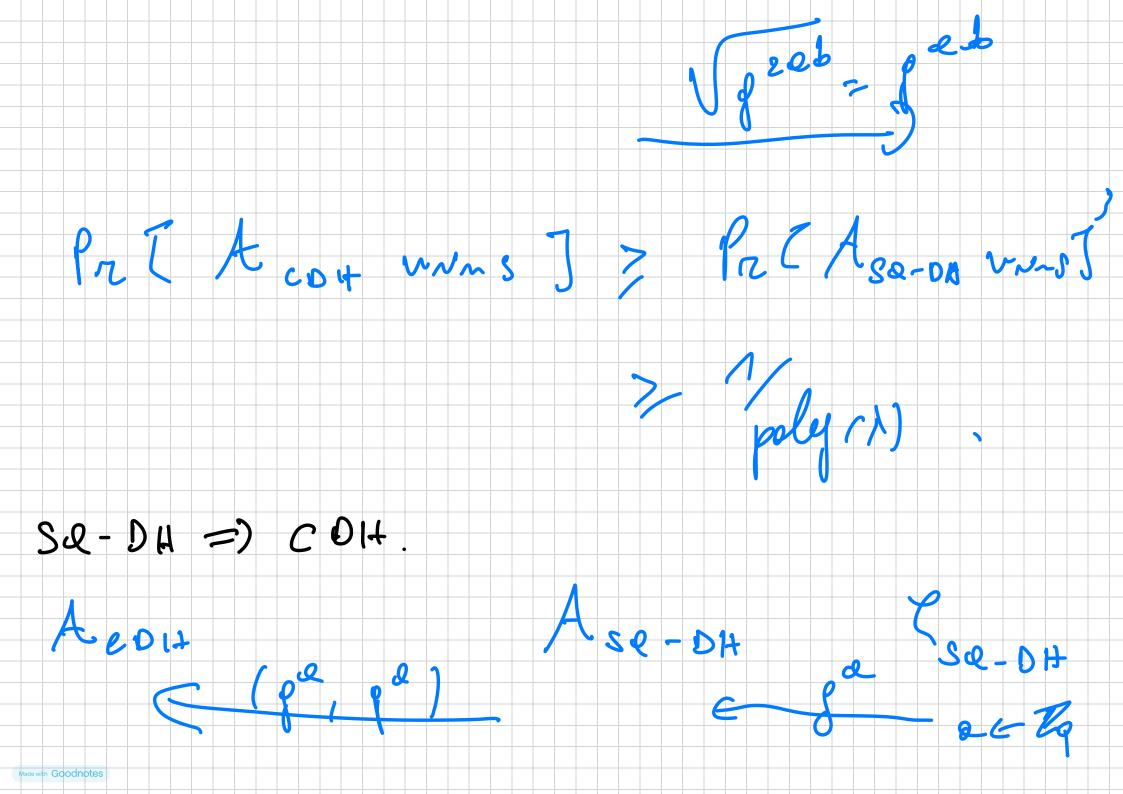
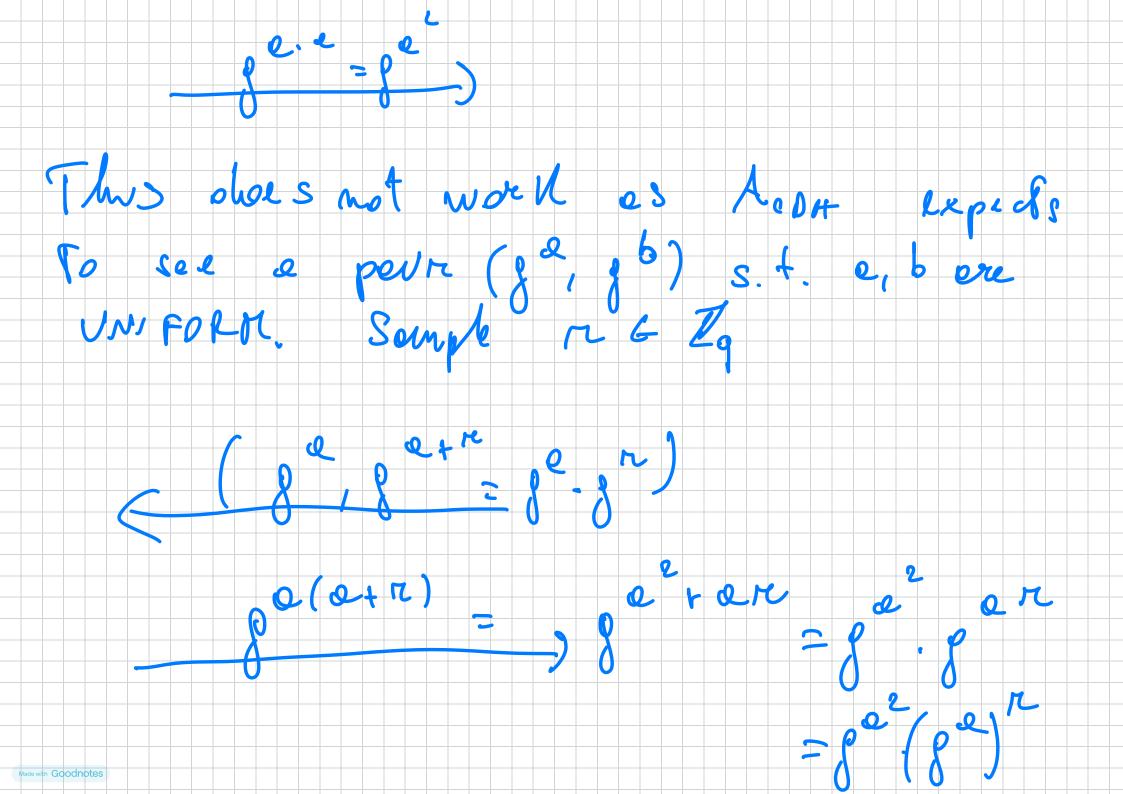
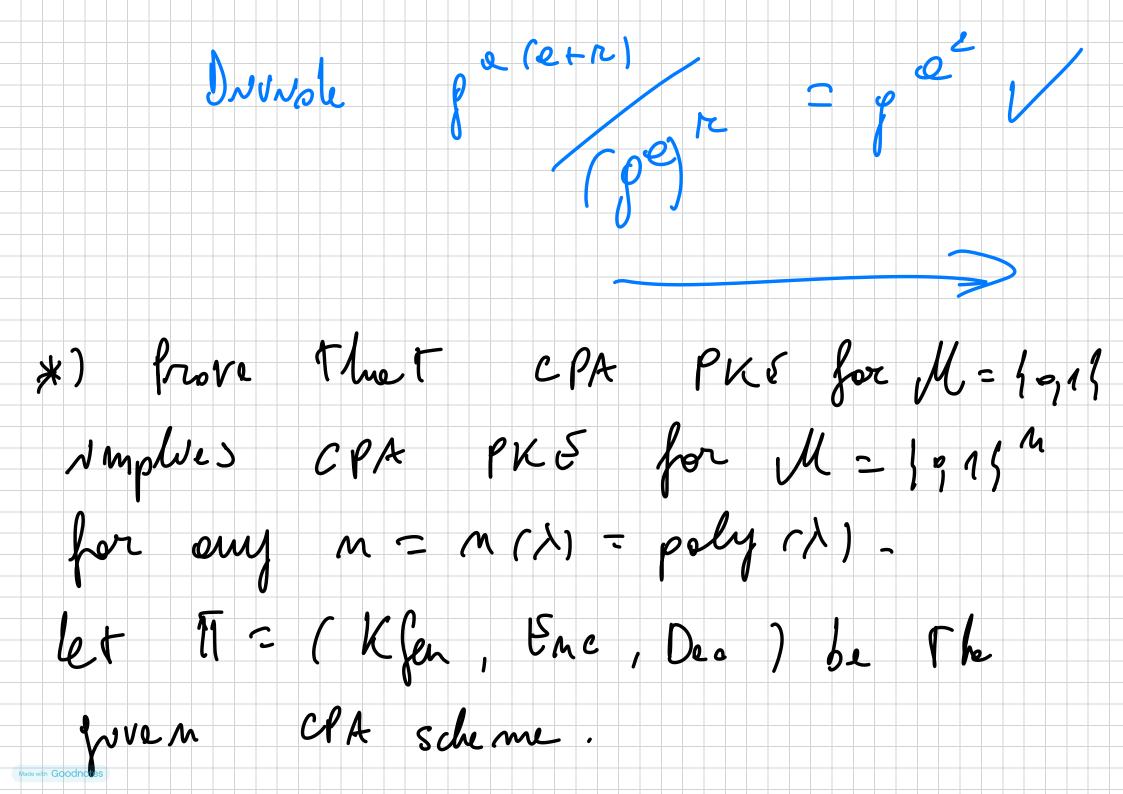
Exercises *) Consult the following assumption: SQUARE-DH: Grun ge, comprise (a), where (b, e, g) = frompfen (11) Prove Obt lquivalent To sautre-DH. CDI+ => SQUARS-DH (ASSUME VE CON COMPUTE) ASQUARE-OH

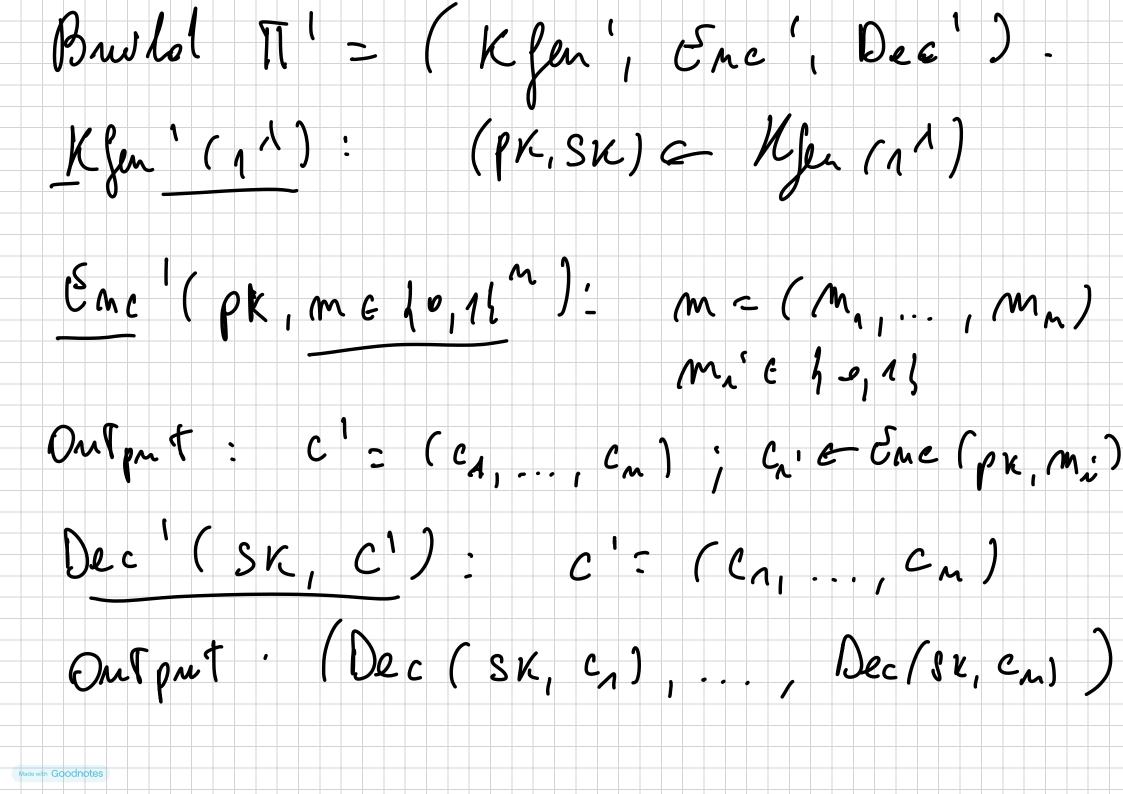
SQUARE-OH

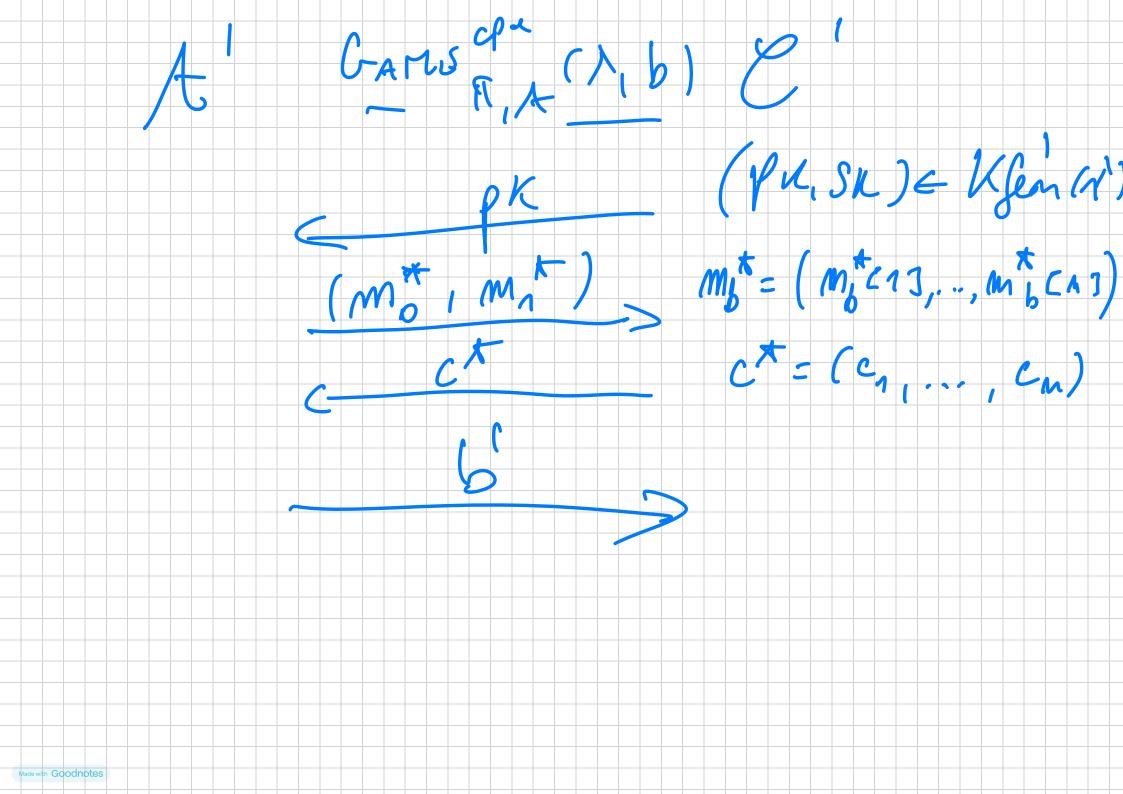


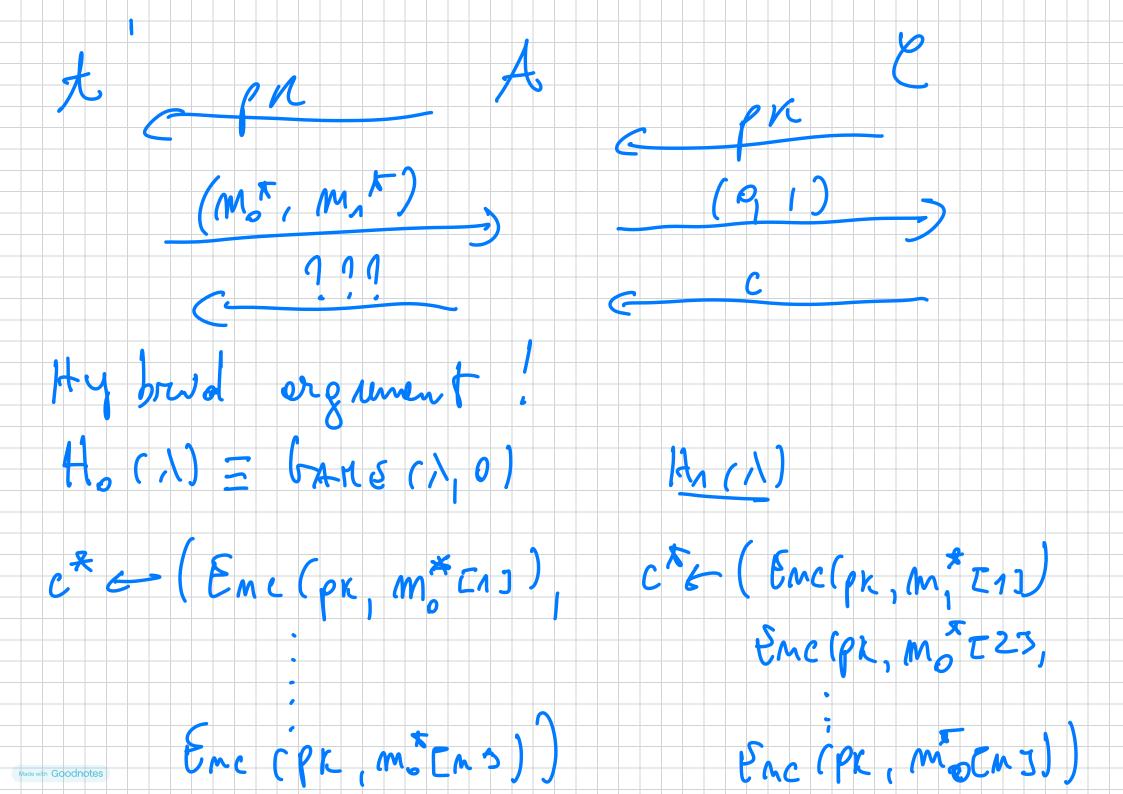


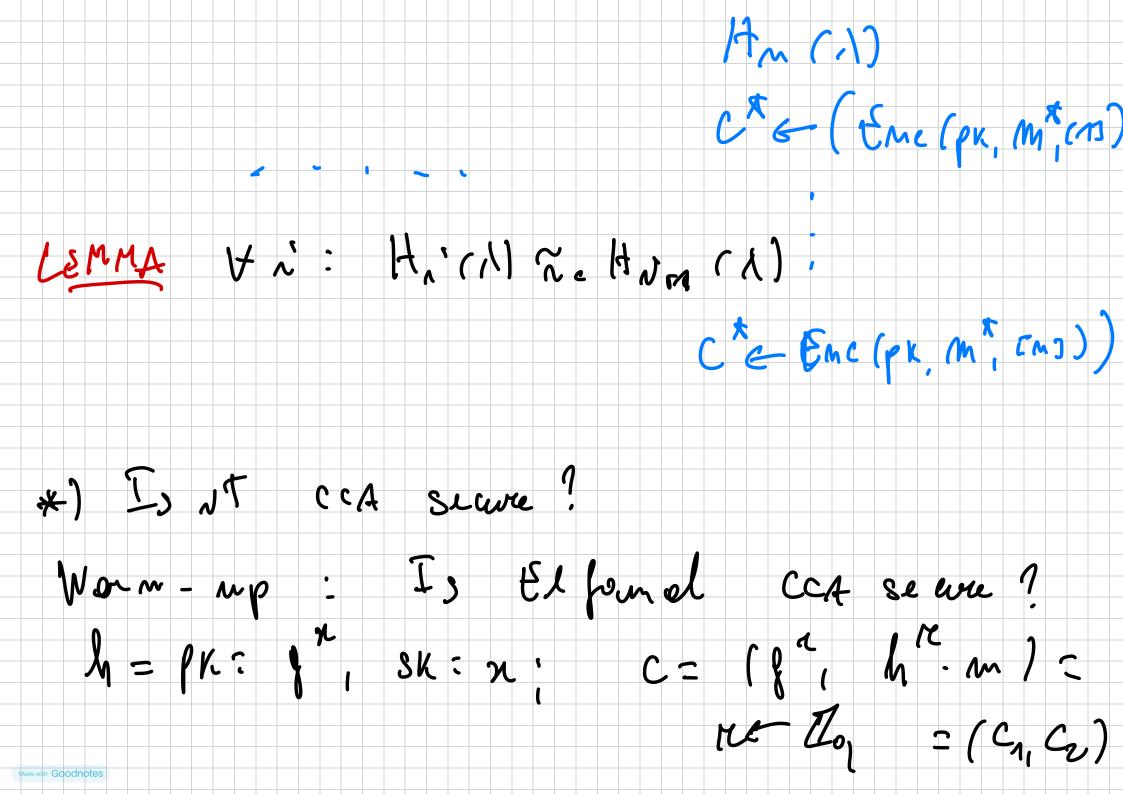






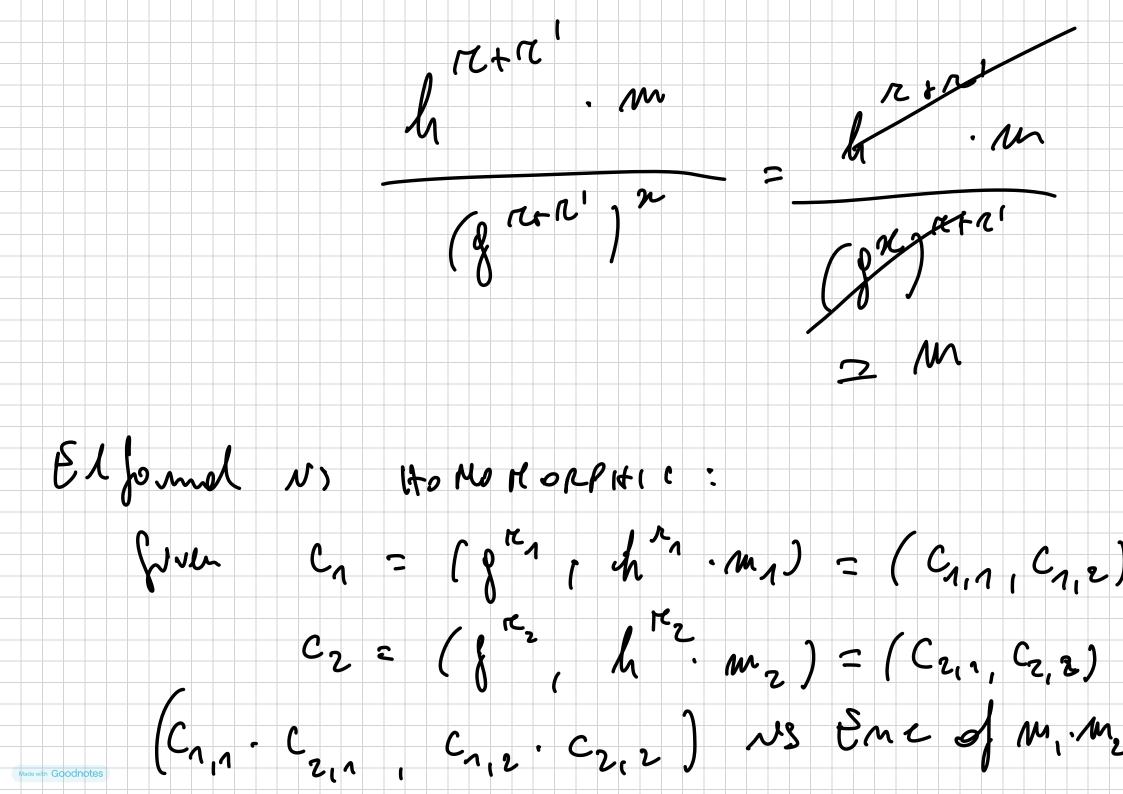


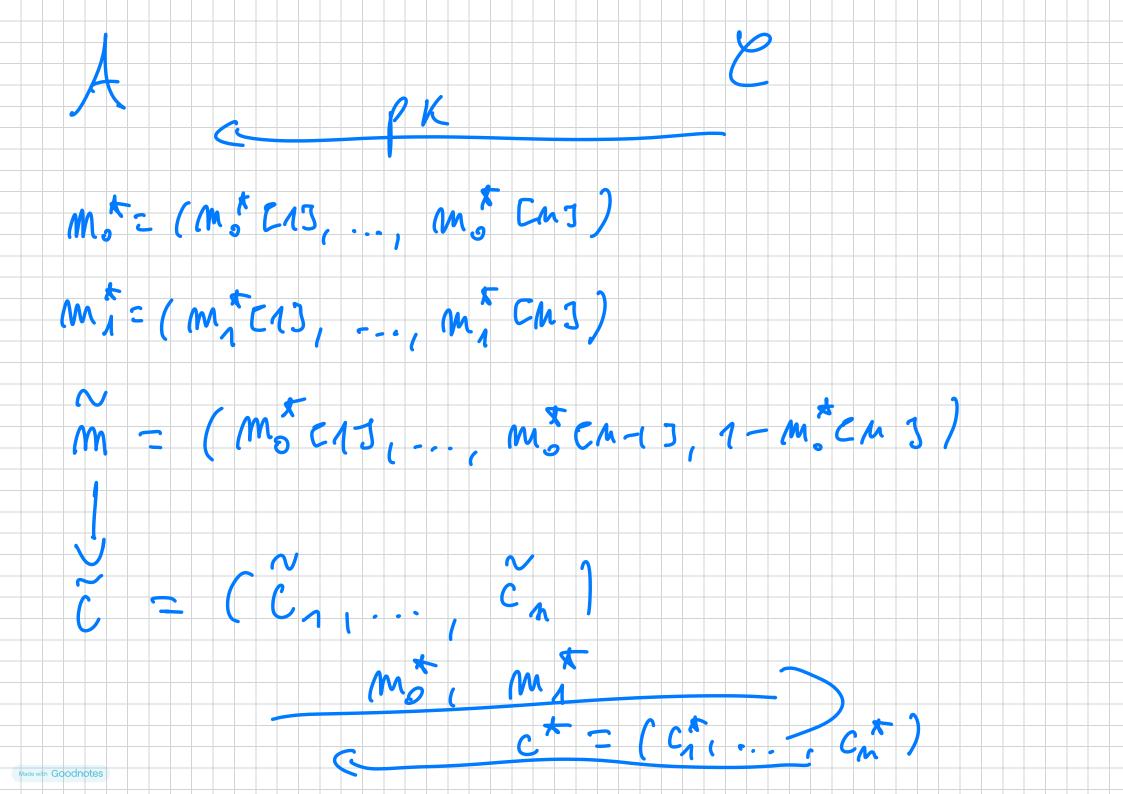


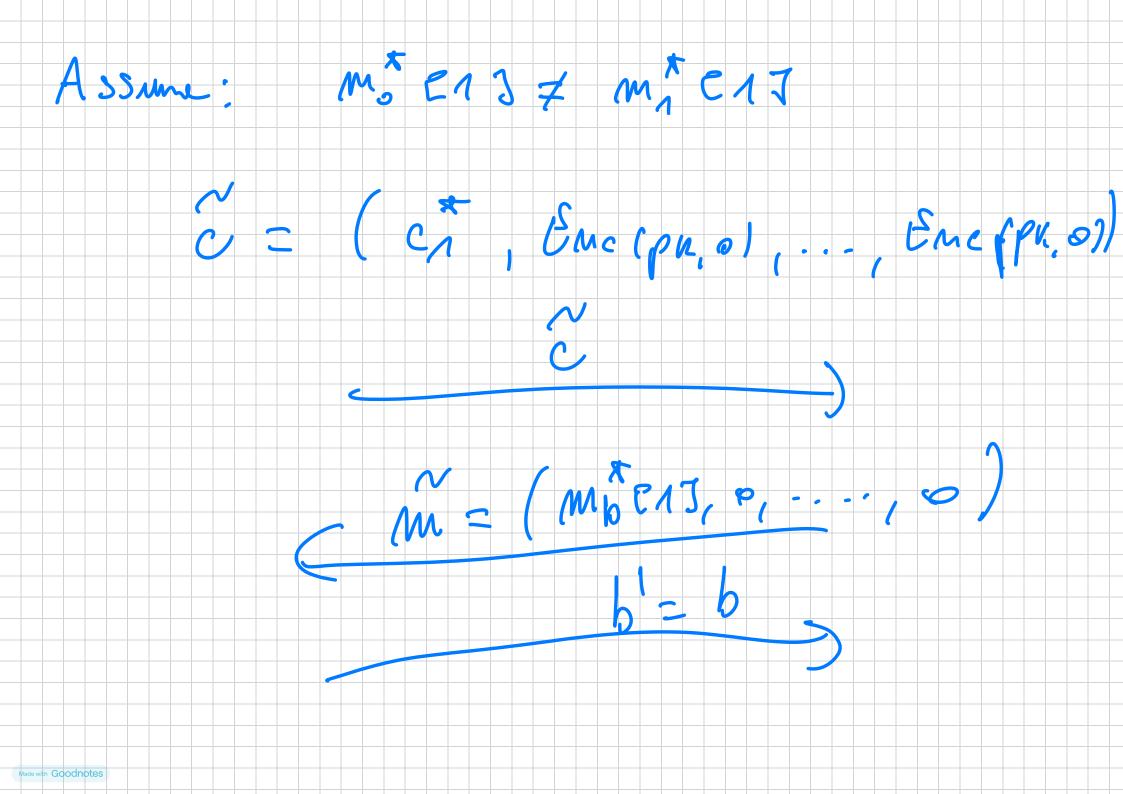


What NI: re Za and let $C = (C_n, C_v) = (8 \cdot 8^n, h \cdot m \cdot 4^n)$ = (c, gr , c, h ~) $c \neq c$ = (8 , h · m) Dec (SK, (C1, C2)) = ?

Made with Goodnote:







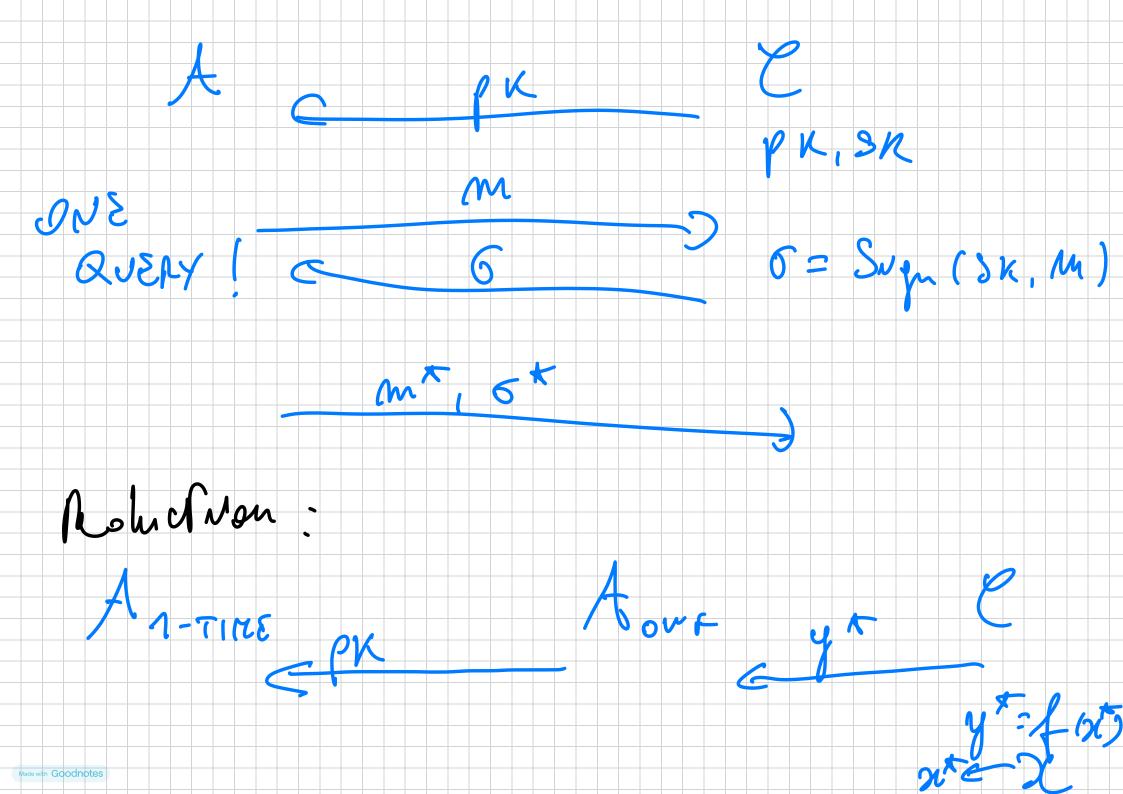
*) Let f: ho,11 m -) ho, 11 m be a swif.
Con soler the following sugneture scheme for
U: ho, 14 for fixed n + W. Kgm (1); px = ((yo,,, y,,),... (yo,m, y,,m)) 3K = ((x, x,), ..., (x, x, x, m)) 3,4. 4, = 4 (26, 2) y b = 91 1 = 1, ..., M

Made with Goodnotes

Sygn (3K, m = (m1, ..., mm)) = 6 = $= \left(\begin{array}{c} \chi_{m_{1},1} & \ldots & \chi_{m_{n},n} \\ \end{array} \right)$ χ_{i} , χ_{i} Virty (pr., m.6): Sust chell The

pre-smegs ore correct v.r.t yx.

Prove NT N> ONE-TIME UF-CHA.



Prok be fort The reduction lines that: (i) mt Ci 3 z mc J w.p. 1/m (n) $\rho x = y$ ell The other y's ore homestly compuled.

