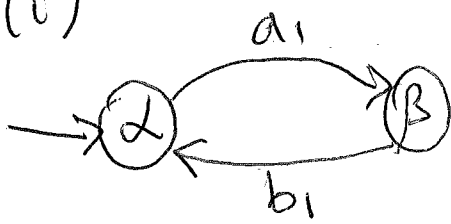
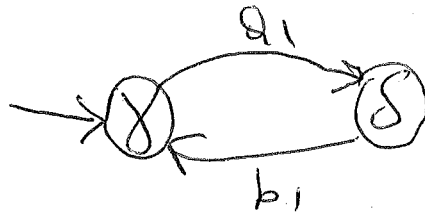


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1.(a)(i)

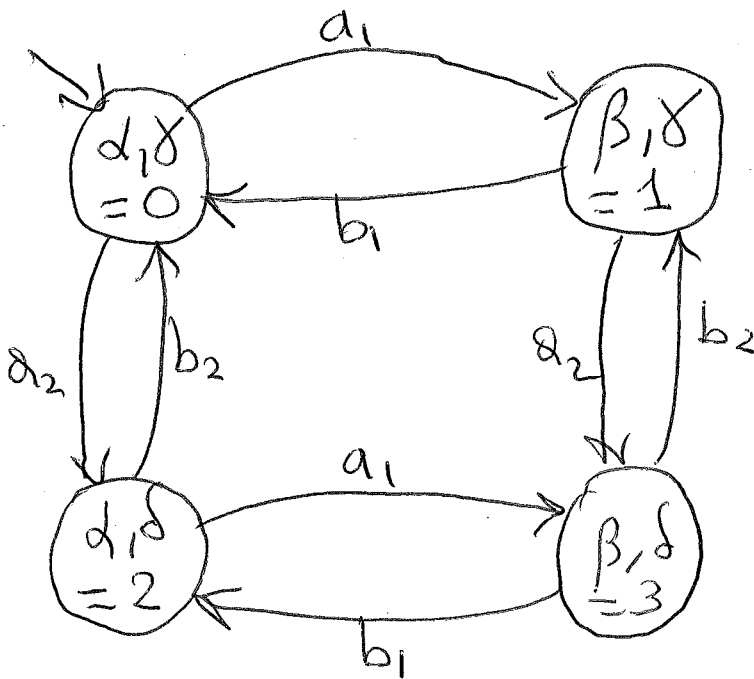


$$L(G_1) = \overline{(a_1 b_1)^*}$$



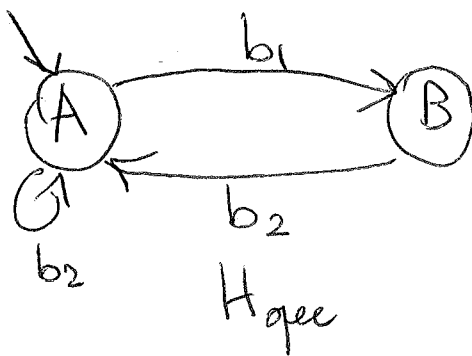
$$L(G_2) = \overline{(a_2 b_2)^*}$$

(ii)



$$G = G_1 \parallel G_2$$

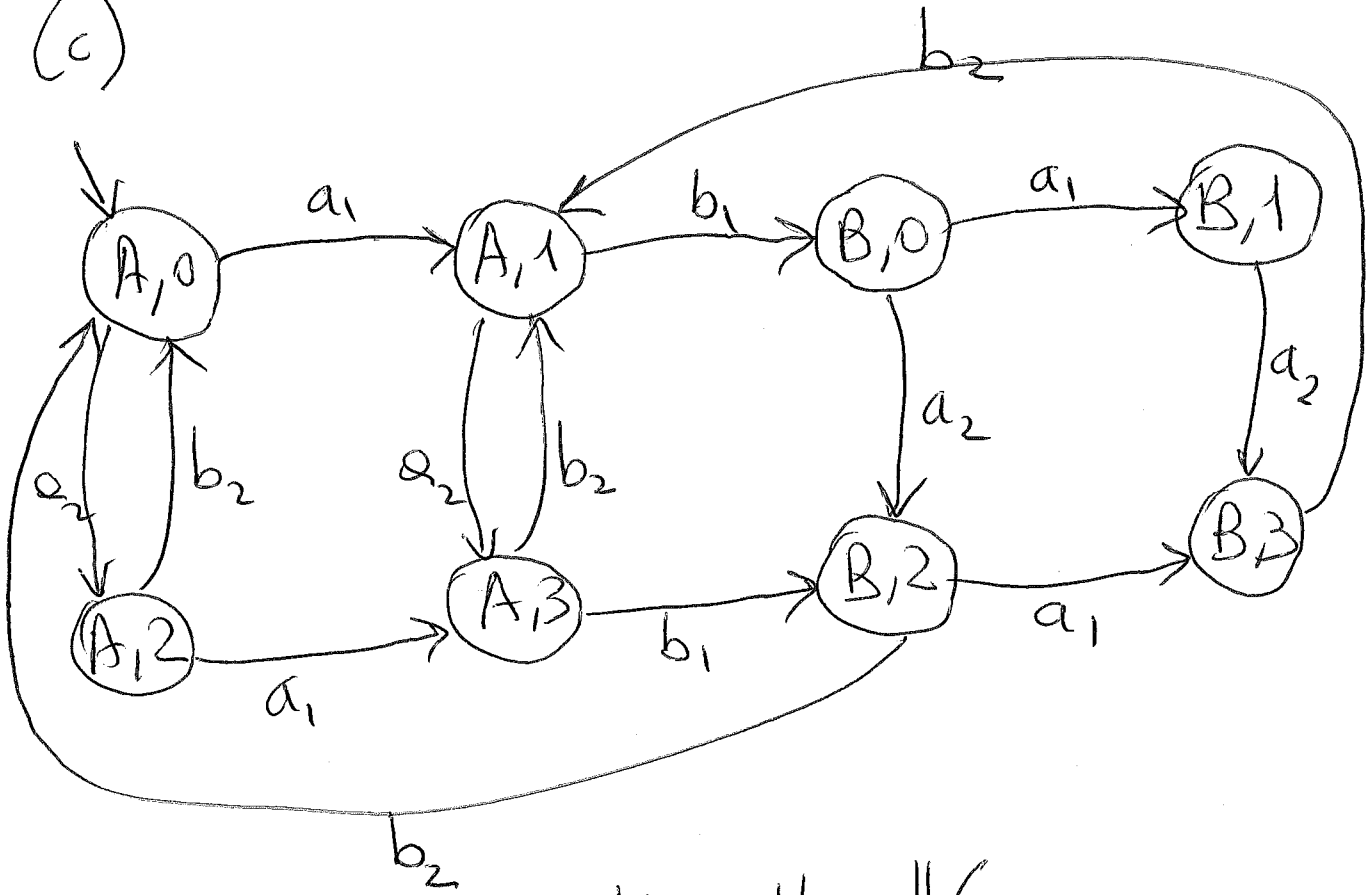
(b)



$$E = \{b_1, b_2\}$$

$$K = L(H_{qec}) = \overline{(b_2^* b_1 b_2)^*}$$

(c)



$$H = H_{\text{top}} \parallel G$$

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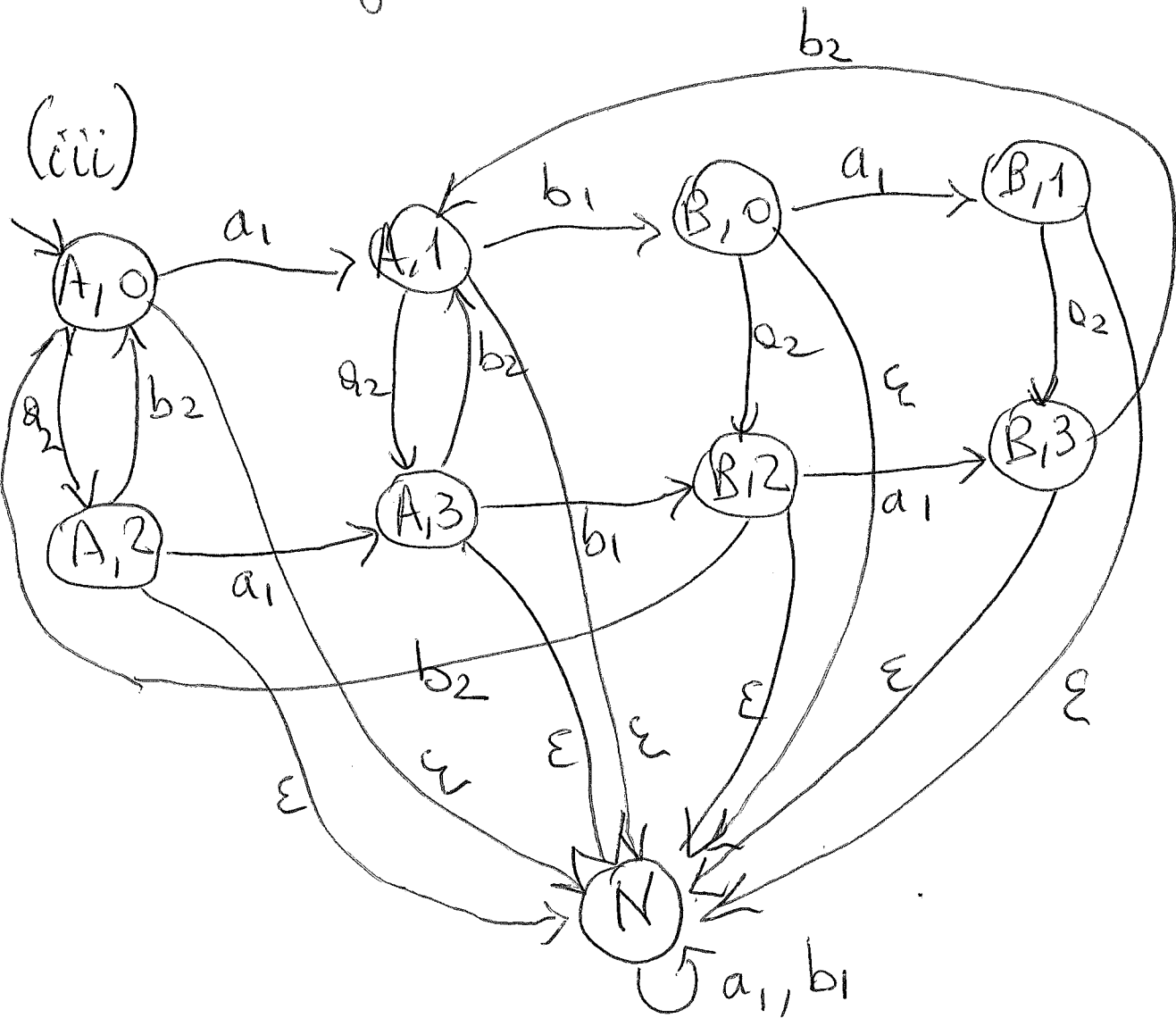
1.(e)

(i) H (già costruito) genere  $\bar{K}$

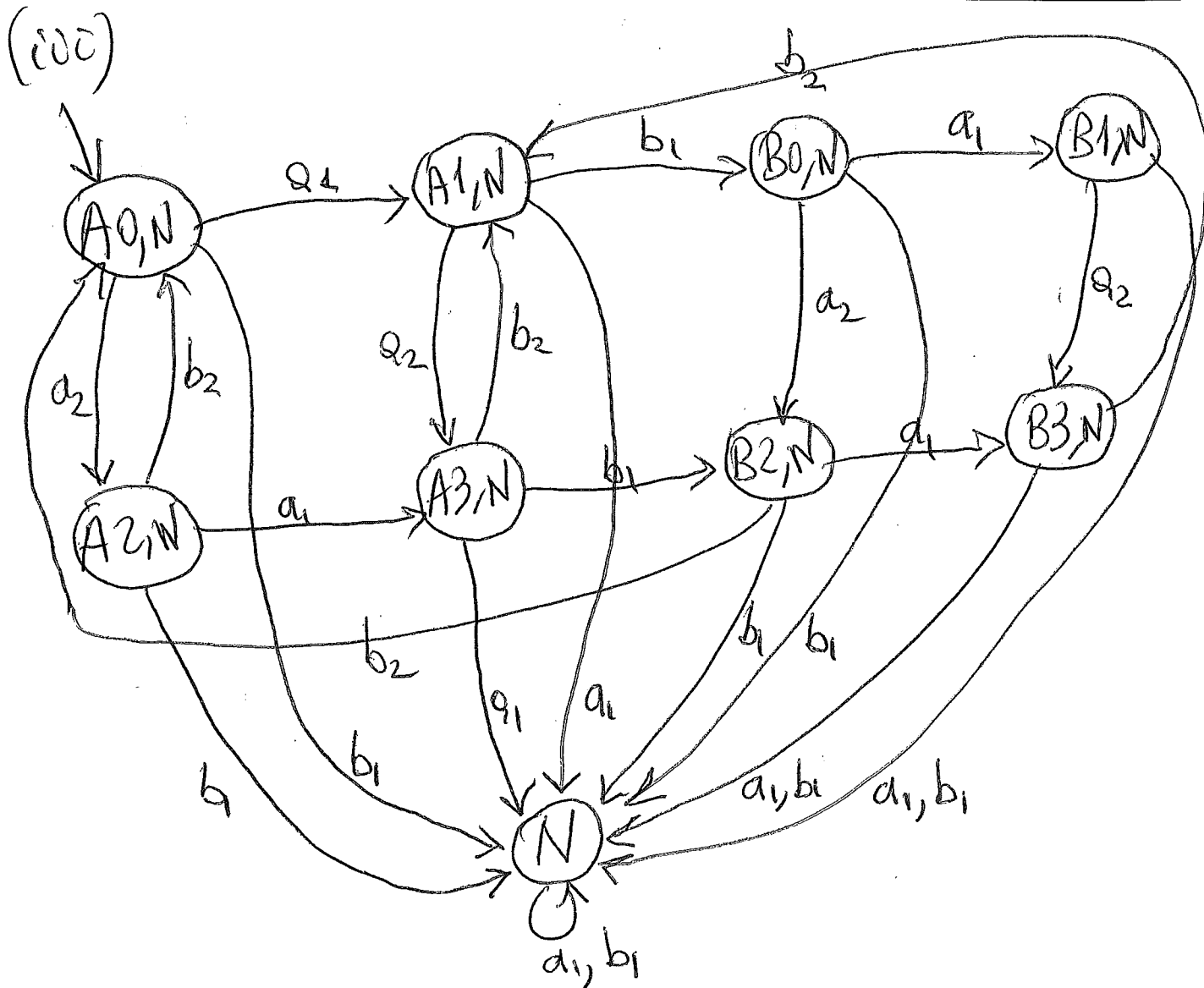
(ii)



genera il linguaggio  $E_{oc}^*$

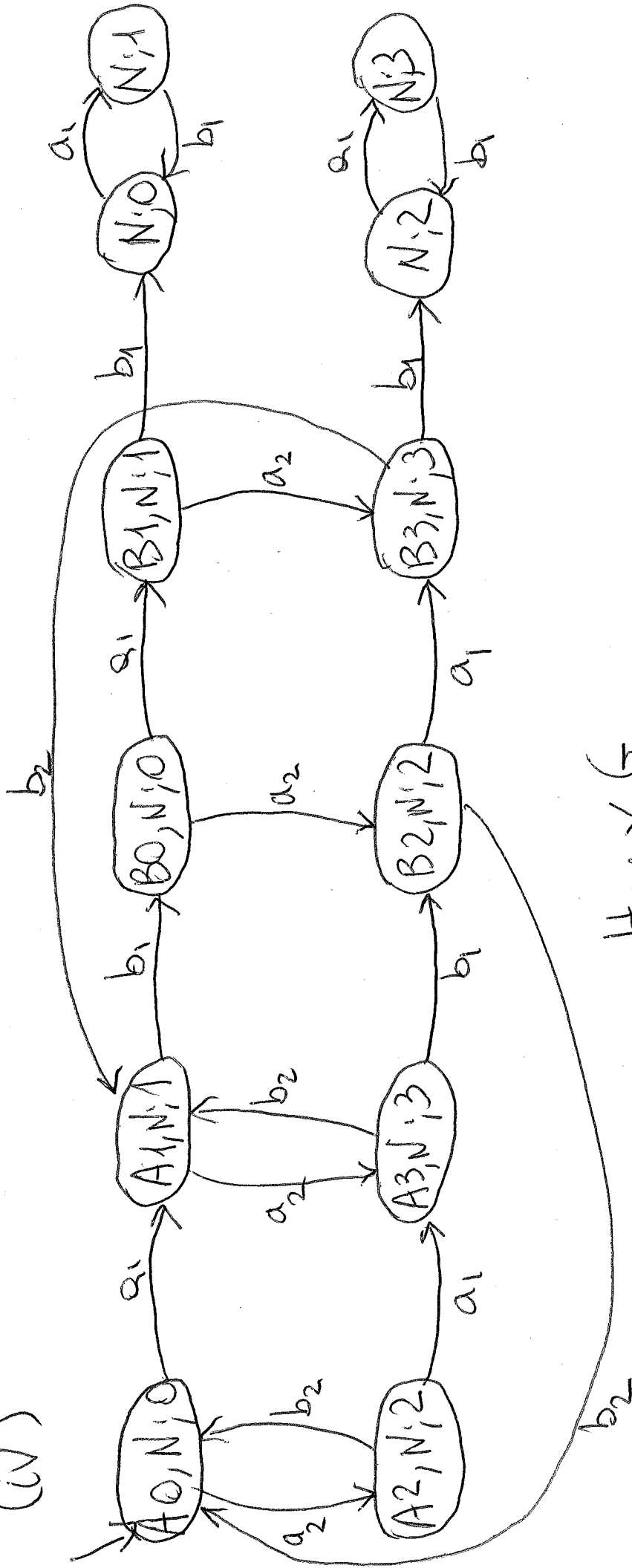


non-deterministico  
genera  $\bar{K} E_{oc}^*$



Haupt deterministisch  
 genau  $\bar{K} E_{\text{uc}}^*$

(iv)

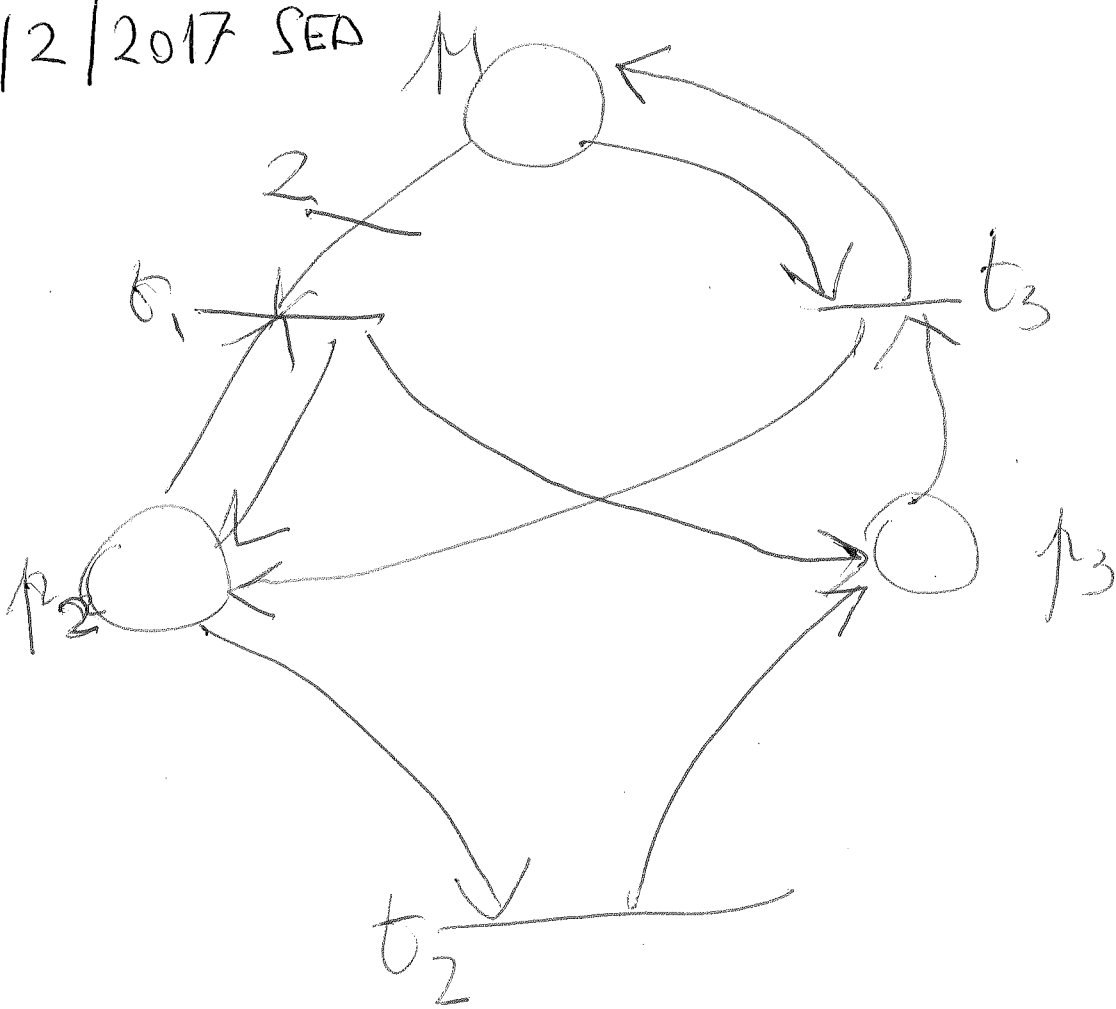


Haug x G

generere  $K_{Evc}^* N M = K \downarrow C$

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2.



$[1, 0, 1]$

↓  $t_3$

$[1, 1, 0]$

↓  $t_2$

$[1, 0, 1]$

dup

Graph

