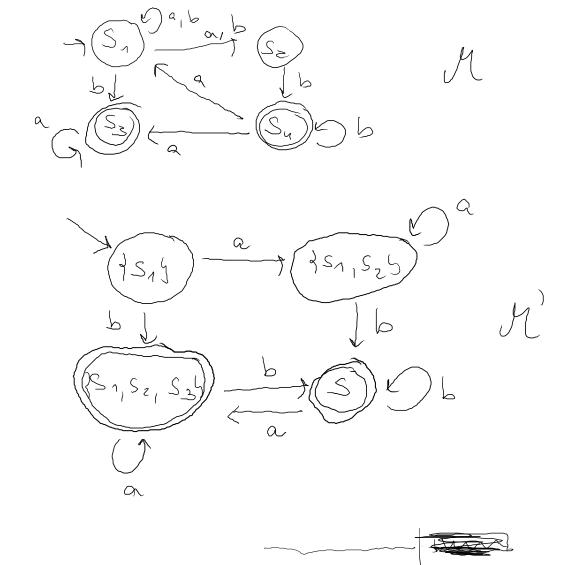


b) Se x kruina em b, ento x = x'b (x' \in \int x'). A pelawia

à pode ser processada usando o lecete em S, (200 on mais

veres). No final transita-en per b para sz \in \in \int.

ba \in \mathcal{I}(M)



<u></u>	a	<u>b</u>
3 3 5	251, 525	151,52,535
1 S ₁ , S ₂ 5	31,52 }	151,52,535 151,52,53,545=5
* 15,5z, S3 5	151,52,535	251,52,53,545=5
*S	45,52,53}	S

 $2(h) = \frac{1}{2} \times e^{2} \mid x \mid \text{ tem prefixo b on}$ and con $n \ge 1$

= 1xEZ* | x rem prefixo da

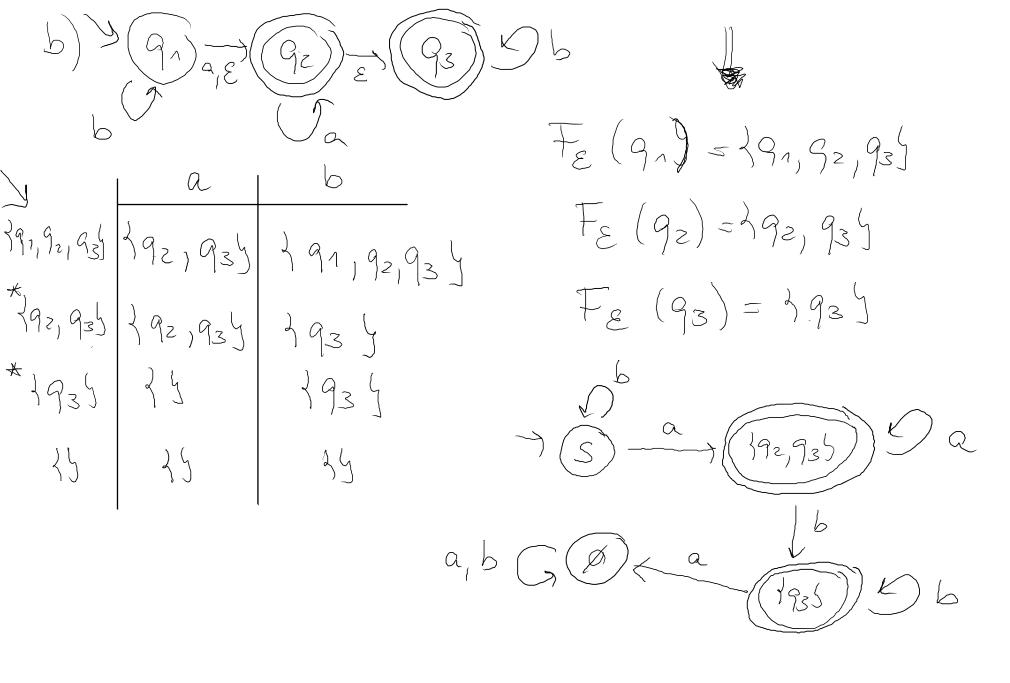
ferma ab, n20 y

2. c)
$$\mathcal{E}(x) = 4x \in \mathbb{Z}^* \mid x \text{ termina em a bab} = \mathcal{L}(a+b)^*aba)$$

d) $\mathcal{L}(x) = 2x = \mathcal{L}(a+b)^*$

a) $\mathcal{L}(x) = 2x = \mathcal{L}(a+b)^*$

b) $\mathcal{L}(x) = 4x \in \mathbb{Z}^* \mid b^k a^m b^n \mid k_1 m_1 n_2 a_2$
 $= \mathcal{L}(b^k a^k b^k)$
 $1 \ge 0$
 $1 \ge$



 $(6. a) S(S_0, E) = 4S_2 4$ $S(S_5, Q) = 4S_0, S_5 4$ $F_{\varepsilon}(s_{\alpha}) = \{s_{\alpha}, s_{\alpha}, s_{\beta}, s_{\gamma}\}$ $T_{\varepsilon}(S_3) = AS_3$ $F_{\varepsilon}(s_1) = As_1, s_4, s_3$ $\mathcal{F}_{\mathcal{E}}(S_n) = \{S_1, S_3, S_4\}$ $b \notin \mathcal{L}(\mathcal{A})$ QE L(X) Fe (Sz)={Sz, S3, S45 $(S_3) = \{S_3\}$ Fe $(S_L) = \{S_3, S_4\}$ \$50,52,53,54,551 1 Fo (S5) = {S0, S5 } terminar