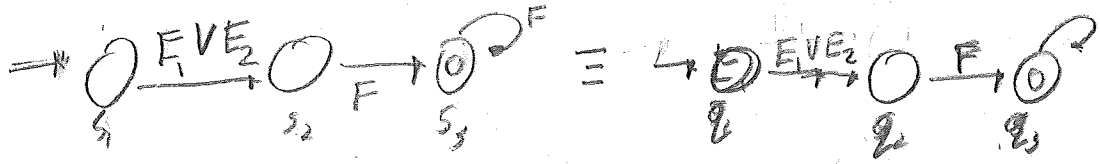
Joseph Blodgett
HW 4
CS 486

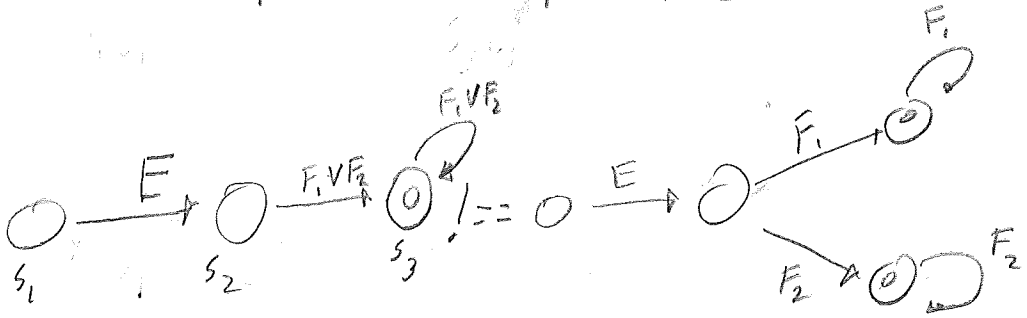
$$(E_1 + E_2).F^\omega \equiv E_1 F^\omega + E_2 F^\omega$$

1) a)



b)

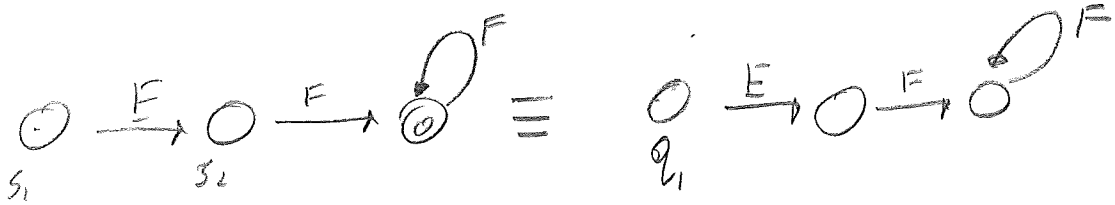
$$E \cdot (F_1 + F_2)^\omega \; != \; E \cdot F_1^\omega + E \cdot F_2^\omega$$



"$E F_1 F_2 F_1$" is not accepted by both, but is accepted by S_3.

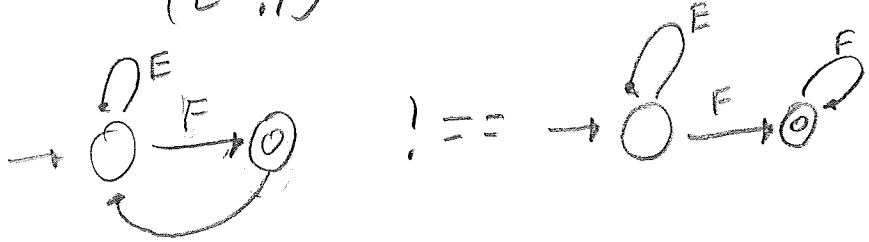
c)

$$E \cdot (E \cdot F)^\omega \equiv E \cdot F^\omega$$



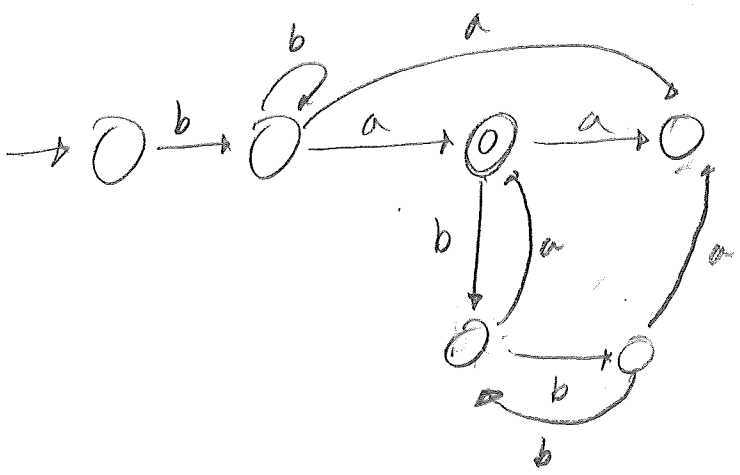
d)

$$(E^* \cdot F)^\omega \; != \; E^* \cdot F^\omega$$



$(EF)^\omega \notin L(E^+ \cdot F^\omega)$ but $(EF)^\omega \in L(E^* \cdot F)^\omega$

2) $E = \{A, B\}$



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