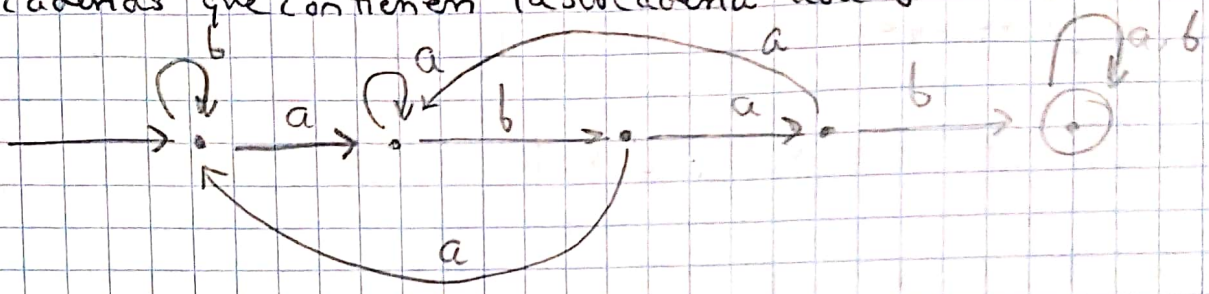
Santos Méndez Ulises Jesús

2CV3

# Tarea 6. Diseño de AFD's

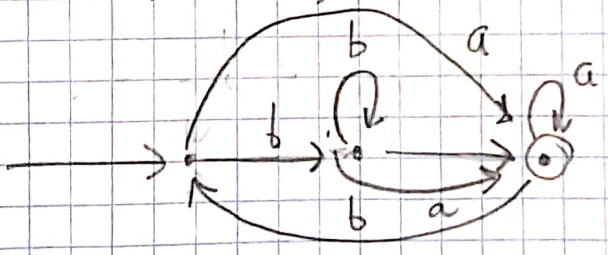
Diseñar AFD's que acepten los siguientes lenguajes:

$L_1 = \{$ cadenas que contienen la subcadena abab $\}$

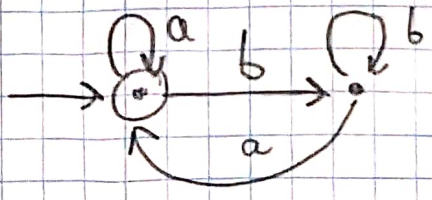



$L_2 = \{$ cadenas que contienen tanto la subcadena ab como la subcadena ba $\}$

$L_2 = \{ \varepsilon, ab, ba, abba, \ldots bbbaba, \ldots \}$




$L_3 = \{$ cadenas que no tengan tres a's consecutivas $\}$



$L4 = (ab \cup aba)^*$

$(ab^* \cup aba^*)^* = L4$

$L4 = (a\{\varepsilon, b, bb, bbb, \ldots\} \cup ab\{\varepsilon, a, aa, aaa, \ldots\})^*$

$L4 = (\{a, ab, abb, abbb, \ldots\} \cup \{ab, aba, abaa, abaaa, \ldots\})$

$L4 = (\{a, ab, abb, abbb, aba, abaa, abaaa, \ldots\})$