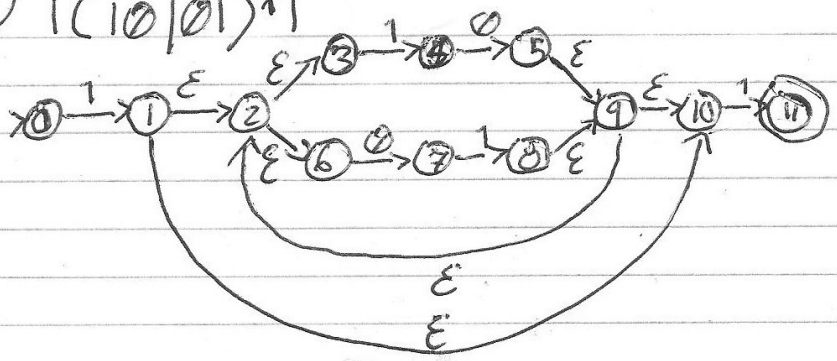
Brent
Nix

① ② $1(10|01)^*1$

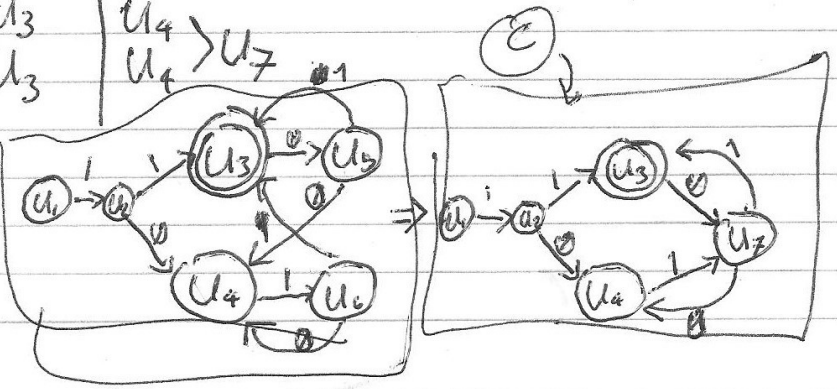


		ε	1	∅
U_1	$\{Q_0\}$	$\{\}$	$\{Q_1\}$	$\{\}$
U_2	$\{Q_1\}$	$\{Q_1, Q_2, Q_3, Q_6\}$	$\{\}$	$\{\}$
U_3	$\{Q_{1,2,3,6,10}\}$	$\{\}$	$\{Q_4, Q_{11}\}$	$\{Q_8\}$
U_4	$\{Q_4, Q_{11}\}$	$\{\}$	$\{\}$	$\{Q_5\}$
U_5	$\{Q_7\}$	$\{\}$	$\{Q_8\}$	$\{\}$
U_6	$\{Q_5\}$	$\{Q_5, Q_9, Q_{10}, Q_2, Q_3, Q_6\}$	$\{\}$	$\{\}$
U_7	$\{Q_8\}$	$\{Q_8, Q_9, Q_{10}, Q_2, Q_3, Q_6\}$	$\{\}$	$\{\}$
U_8	$\{Q_5, Q_9, Q_{10}, Q_2, Q_3, Q_6\}$		$\{Q_{11}, Q_4\}$	$\{Q_7\}$
U_9	$\{Q_8, 9, 10, 2, 3, 6\}$		$\{Q_{11}, 4\}$	$\{Q_7\}$

	1	∅
U_1	U_2	$\{\}$
U_2	U_3	U_4
U_3	$\{\}$	U_5
U_4	U_6	$\{\}$
U_5	U_3	U_4
U_6	U_3	U_4

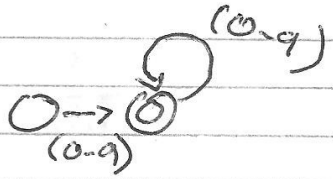
$> U_7$

b

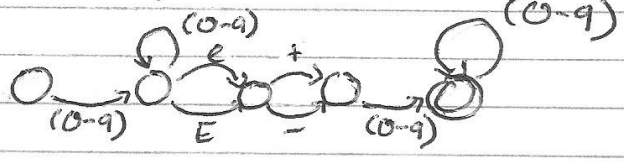


2)

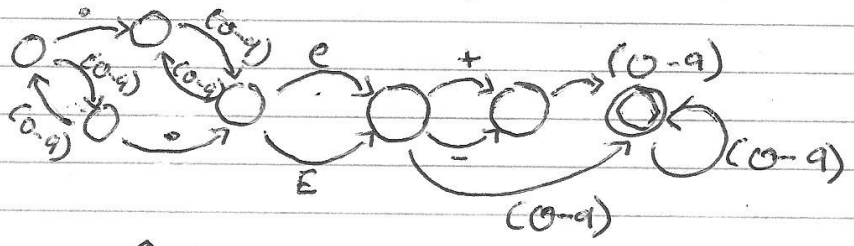
M1 =

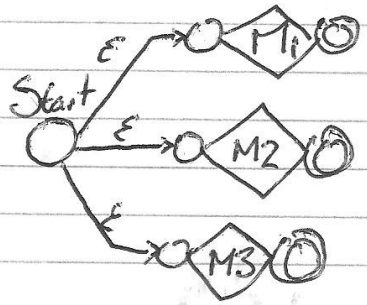


M2 =



M3 =



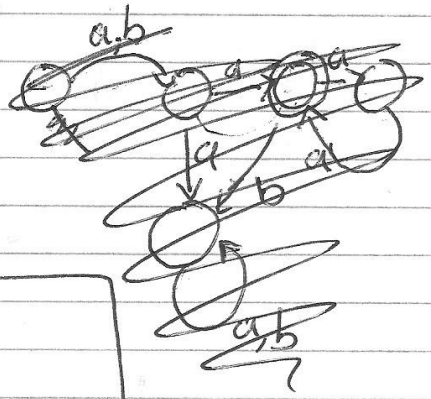
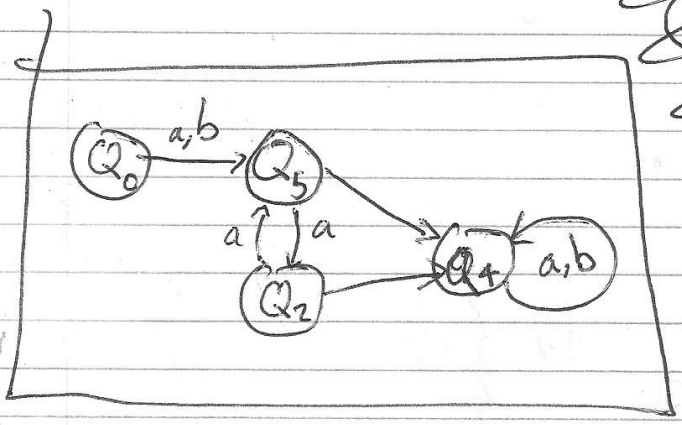


3)

	a	b
$\{Q_0\}$	$\{Q_1\}$	Q_5
Q_1	Q_2	Q_4
Q_3	Q_2	Q_4
Q_2	Q_1	Q_4
Q_4	Q_4	Q_4

$> Q_5$

Accepts on

aa
aab
aab(a|b)*
ba
bb
ab
aaaa
aa(aa)*b
ba(aa)*

aa
(aa)* | b | (a*|b*)
ba