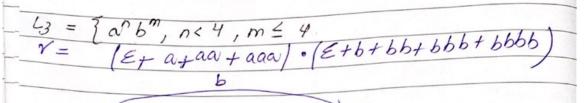
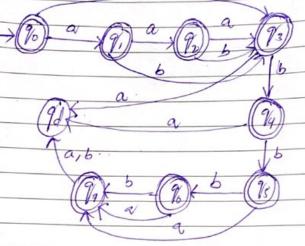
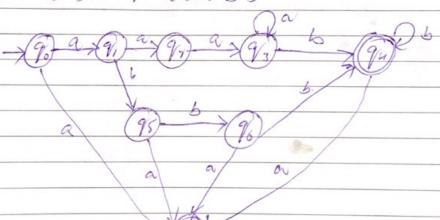
ASSIGNMENT # 01 Date:
Basil Ali Khan
2011-0477
$L_1 = \{ a^n b^m m+n \text{ is even } \}.$
$Y = a (aa)^{\#} \cdot b(bb)^{\#} + (aa)^{\#} \cdot (bb)^{\#}$
90 a (9) (95) (1)
Ь
9 ₂ 9 9 ₄
$L_{\lambda} = \{a^{n}b^{m}, n \geq 4, m \leq 3\}.$
$\gamma = aaaa(a^*)(\xi + b + bb + bbb)$.
90 0 90 0 90 0 90 0 PD 0 PD 0 PD 0 PD 0
9/a 9.
9,6





Ly .= 3 a n. 6 m: n 21, m 21, nm 23].

7 = a bbbb + agaa* b b*



Date:	
Lia = all strings not ording in 0,1 $Y = (0+1)^{\#}(00+10+11)$	
(P) (P) (P)	of news
Liz = All string containing even numbers Y = 1++ (1+01+0)+1+	OT MEROS
90 90 × 1	
Liy = all string having orderst two excusiones substring 00 $ \gamma = (1+0)^{*} 00 (1+0)^{*} 00 (1+0)^{*} $	of
90 90 90 90 90 PM	0,1
0 = all strings not containing 101	
(9) (9)	/

Date:
L20 = Longuege of all strings donot and with ab. $\gamma = (latb) * (aa + ba + bb) + a + b + 1$
90 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
L21 = longuage of all othings that begin or and with $Y = \{a \text{ at bb}\}\{at b\}^{2} + \{atb\}^{2} \{aa + bb\}$ $Y = \{a \text{ at bb}\}\{at b\}^{2} + \{atb\}^{2} \{aa + bb\}^{2}$ $= \{a \text{ at bb}\}\{at b\}^{2} + \{atb\}^{2} \{aa + bb\}^{2}$ $= \{a \text{ at bb}\}\{at b\}^{2} + \{atb\}^{2} \{aa + bb\}^{2}$ $= \{a \text{ at bb}\}\{at b\}^{2} + \{atb\}^{2} \{aa + bb\}^{2}$ $= \{a \text{ at bb}\}\{at b\}^{2} + \{atb\}^{2} \{aa + bb\}^{2}$ $= \{a \text{ at bb}\}\{at b\}^{2} + \{atb\}^{2} \{aa + bb\}^{2}$ $= \{a \text{ at bb}\}\{at b\}^{2} + \{atb\}^{2} \{aa + bb\}^{2}$ $= \{at a + bb\}\{at b\}^{2} + \{atb\}^{2} \{aa + bb\}^{2}$ $= \{at a + bb\}\{at b\}^{2} + \{atb\}^{2} \{aa + bb\}^{2}$ $= \{at a + bb\}\{at b\}^{2} + \{atb\}^{2} \{aa + bb\}^{2}$ $= \{at a + bb\}\{at b\}^{2} + \{atb\}^{2} \{aa + bb\}^{2}$ $= \{at a + bb\}\{at b\}^{2} + \{atb\}^{2} \{aa + bb\}^{2}$ $= \{at a + bb\}\{at b\}^{2} + \{at b\}^{2} \{ab + bb\}^{2}$ $= \{at a + bb\}\{at b\}^{2} + \{at b\}^{2} \{ab + bb\}^{2}$ $= \{at a + bb\}\{at b\}^{2} + \{at b\}^{2} \{ab + bb\}^{2}$ $= \{at a + bb\}\{at b\}^{2} + \{at b\}^{2} \{ab + bb\}^{2}$ $= \{at a + bb\}\{at b\}^{2} + \{at b\}^{2} \{ab + bb\}^{2} \{ab + bb\}^{2}$ $= \{at a + bb\}\{at b\}^{2} + \{at b\}^{2} \{ab + bb\}^{2} \{ab + bb\}^{2}$ $= \{at a + bb\}\{at b\}^{2} \{ab + bb\}^{2} \{ab + bb\}^{2} \{ab + bb\}^{2} \{ab + bb\}^{2} \{ab + bb\}^{2}$ $= \{at a + bb\}\{at b\}^{2} \{ab + bb\}^{2} \{ab + $
Las = Longuage of all strings not containing aa
17 = a+b* 4 b*ab*
90) ~ (91) a (92) 0, b.

Date:
L ₂₃ = Long uage of all strings in which mumbers of a is even. $V = (b + ab^{+} ab^{+})^{+}$
- (90) a + 91) b.
L24 = language in which both number of a's & num of 15 are even. (ab+ba) (ab+ba) (ab+ba)*
90 (97) 15 (97) 15 (97) 17 (17) 18 (17) 19
Lis = larguage of all strings containing no more than one between of string aa (b+(ba)) aa (b+(ba))
10 - 29 - 20 - 5 - 93 - 5 - 6 - 5 - 6 - 6 - 6 - 6 - 6 - 6 - 6

9/6

