$= (b^2a)^*(\varepsilon + b^2)$; $L_2 = b^2(ab^2)^*$

Soit $w \in L_2 \Rightarrow w = b^2(ab^2)^k$

Si $k = 0 \Rightarrow w = b^2 \in L_1$

Si $k \neq 0 \Rightarrow w = b^2 \underbrace{(ab^2)(ab^2)(ab^2) \ldots (ab^2)}_{k \text{ fois}}$ 5

$w = \underbrace{b^2a\, b^2a\, b^2a \ldots b^2a}_{k \text{ fois}}\, b^2 = (b^2a)^k b^2 \in (b^2a)^* b^2 \subset L_1$

et donc $\forall w \in L_2$, $w \in L_1$ par suite $L_2 \subset L_1$

f) $L(A) = L_1 \cap L_2 = L_2$ donc $A \equiv A_2$. 2

Ex3

a) $L_1 = aa(a + ab)^* b$

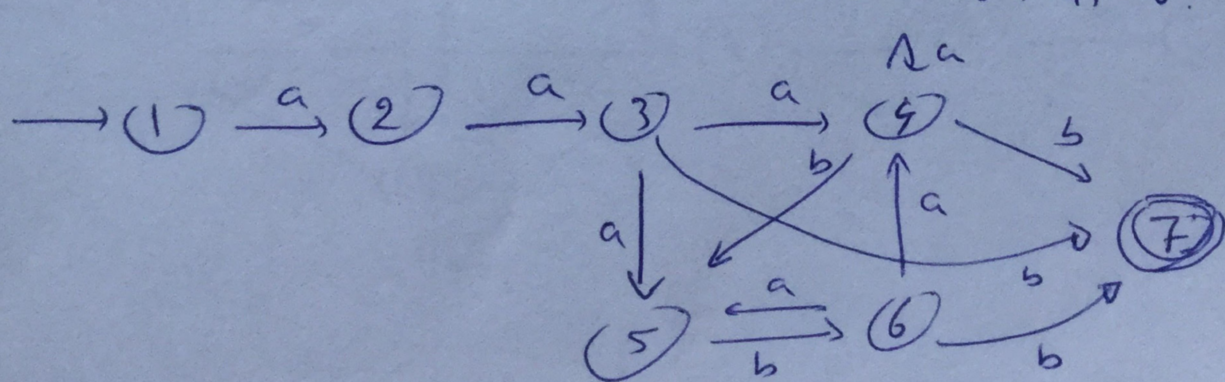
$= x_1 x_2 (x_3 + x_4 x_5)^* x_6$ 1

$Pr = \{x_1\}$; $Dr = \{x_6\}$

1 1

	Suit
x_1	x_2
x_2	x_3, x_4, x_6
x_3	x_3, x_4, x_6
x_4	x_5
x_5	x_3, x_4, x_6.

5



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