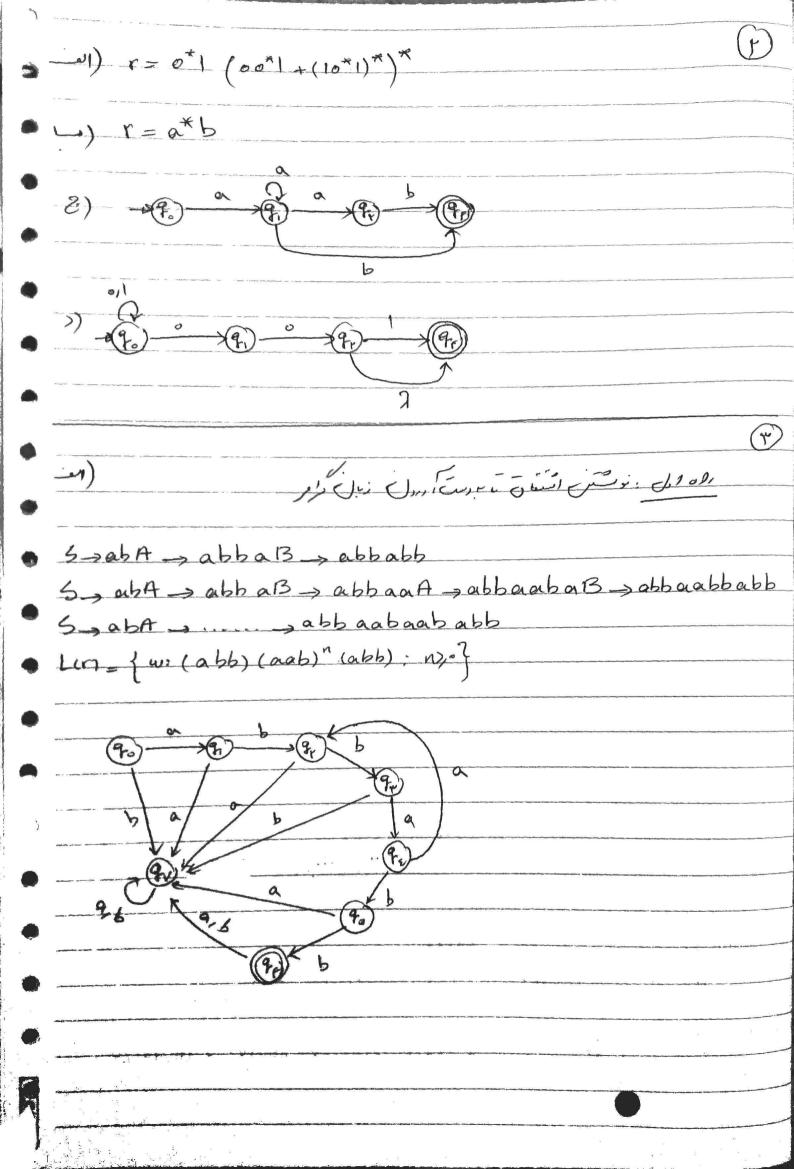
ع م معدد عرب مركادم (d) 4-{aaa, aaab, aaabb, aaabbb, aaabbb, a a a a, a a a a b, aaaabb, aa a a bbb, aa a a bbb, . - ? L1 = aaaa\* (1+ b+ bb+ bbb+ bbbb) (L(ab) V L(b) L(a + eb) \*

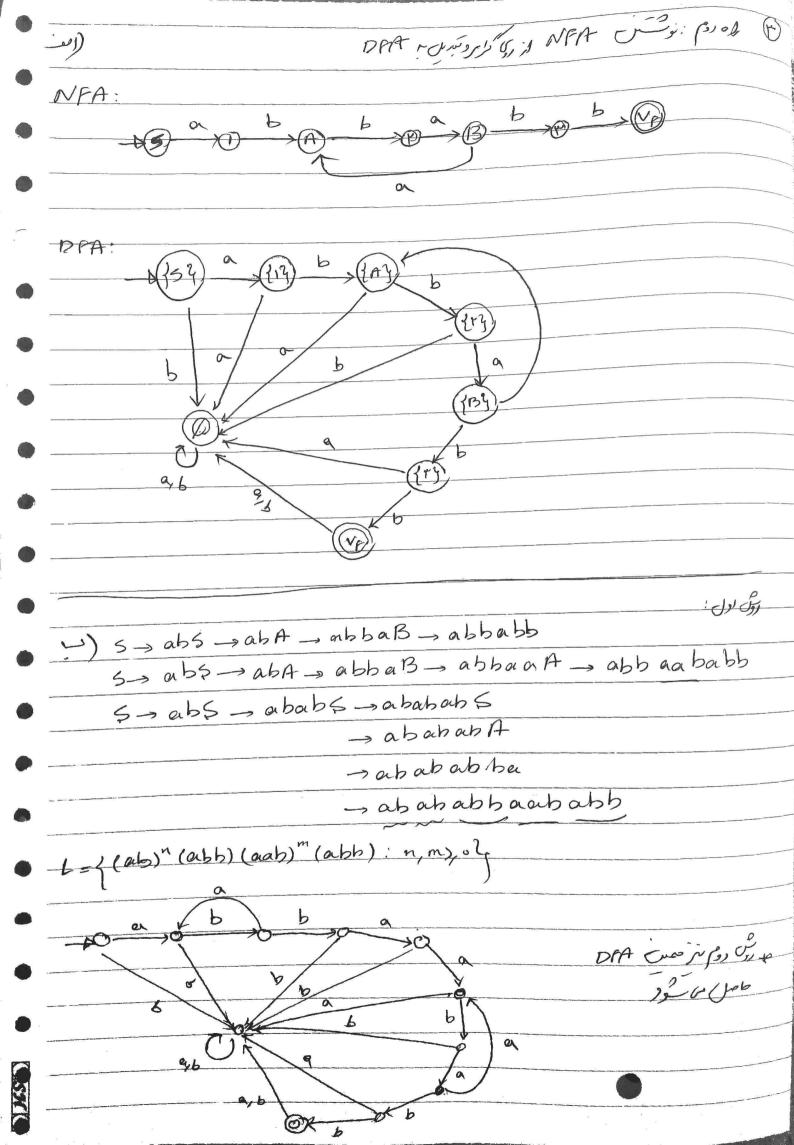
(L(ab) V L(b))\*L(b) (L(a) V L(ab))\* {b, ab} {b} {a, ab} = } \$b, ba, bab, baba, babab, ... } (n+m) is odd  $\rightarrow n$  odd m even  $\rightarrow \alpha(\alpha\alpha)^*(bb)^*$  (n+m) is odd  $\rightarrow n$  odd  $\rightarrow (\alpha\alpha)^*(bb)^*$ r= a(aa)\*(bb)\*+(aa)\*b(bb)\* >) L ((7+b+bb)aa+)=L(7+b+bb)L(aa+)

=  $((2) VL(b) L(bb))L(a) L(a^{\dagger})$   $((2) V(b) V(b) V(b) V(a) V(a^{\dagger})$   $((2) V(a) V(a^{\dagger})$   $((2) V(a^{\dagger})$  ((2) V(a) V(a) ((2) V(a) V(a)((2)

= {aa, aaa, aaaa, ..., baa, baaa, ..., bhaa, bhaaa, ...}

Len of b an : ny r, m) of





(u) l- ab m. nee, me eg (= (7+ a+ aa+ aaa) (7+ b+ bb+ bbb+ bbb) decis: 5- aA 16B19 A -> aB | aaB | abB | aab13 | 7 B > b | bb | bbb | 9 con S. Bb Aa 17 B - Ab | Abb | Abbb | Aab | Aabb | Aabb ] ] A a a a a a a NFA:

