## BİÇİMSEL DİLLER VE OTOMATA TEORİSİ Ödev-2

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I. 8. I What language is represented by the regular expression
       (((2+2)6)06)?
* lande a use buluny to the later tom isabeles
1.8.2 Remote each of these regular expressions as a simpler
        expression representing the same set
        a) 0 + U = * U ( = U ( = U ) +
        * (306)*
        P) ((3+6x) + (642)x) x
        * (201) *
        c) (2+6)+ U(6+2)+
        * (206) *
        d) (aUb) * 2(aUb) *
        * (aUL) * a (aUb) *
18.3 Let = {2.6}. Write regular expressions for the following with
        a) All strings in Ix with no more than three a's
        * 6 * U 6 * ab U 6 * ab + u b + ab + ab + ab +
        6) All strings in Ix with a number of is divisible
           by three
        * 64 (264264264)4
        c) All strings in Z* with exactly one accurence of
           the substring and.
        * (2U22U6+)6)+ 222(66+(2U22U6+))+
1.8.5 Which of the following are true? Explain
        a) 600 € 2+ 6+ 2+ 6+ Dogru
        A a O here, b & here, a 2 here we b O here tehrarbanyor.
        6) 6+2+ 12+6+ = 2+ 16+ Dogn
        * 6+2+ => 6 He barlayip a He devan edenleration.
           11 11 6 C= *d*6
                                L 11 11 11 Bu duran
          do thesens hesisim bomesonde yo sodece a, yo so-
          Lece b yo do a me b'in O here tehrorbino
          durino useder. Bu durinles de 2+ Ub+ ye duktir.
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