Predmet: AUTOMATI I FORMALNI JEZICI

## DOMAĆA ZADAĆA br. 02

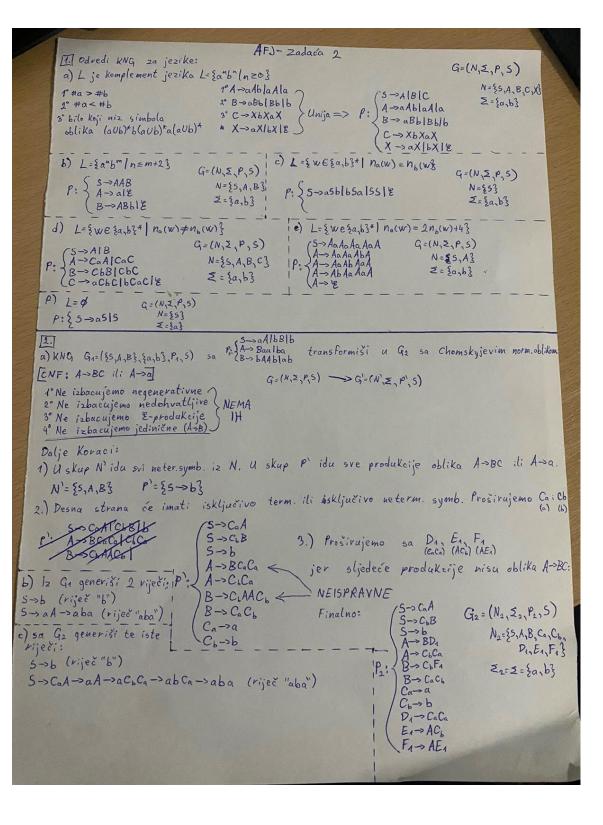
## PREZIME I IME STUDENTA

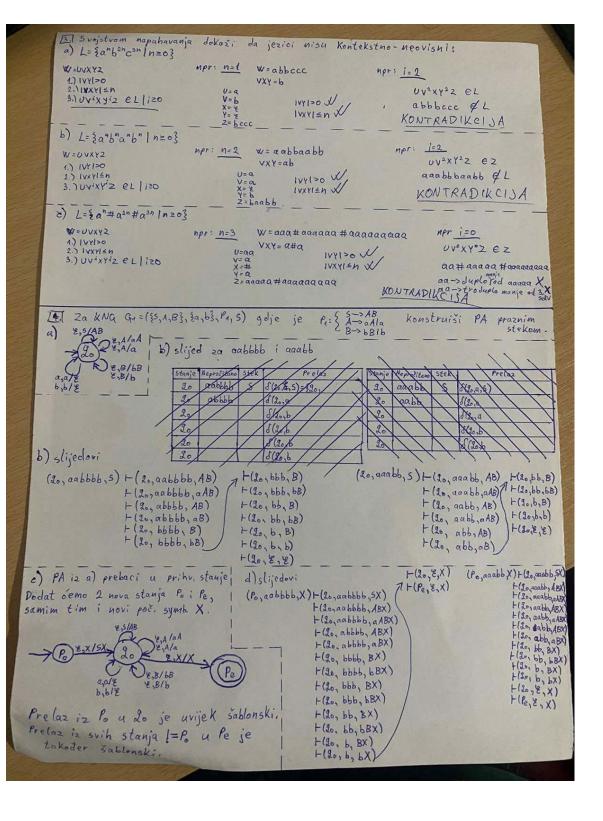
Broj indeksa: \_\_\_\_19413\_\_\_\_\_

## Lista urađenih zadataka:

1	2	3	4	5	6	7	8	9	10	11	12	13
6/6	3/3	3/3	4/4	2/2	2/3	3/3	2/2	1/1	1/1	1/1	1/1	3/3

Napomena: Oznaka x označava koji dio zadataka je urađen. Naprimjer, ako su u prvom zadatku urađeni podzadaci 1.a, 1.b i 1.c, tada za prvi zadatak treba napisati x=3, tj. za prvi zadatak treba napisati 3/6 jer su urađena 3 podzadatka od ukupno 6 podzadataka.





```
BI PA MW MN= ({20,21,21,23,23, 20,63, 20,203, On, 20,20,0) praznim stekom
       1.) Sn(20,0,20)= { (20,020)}
                                 a) Za Mu Konstruiši eku. KNG G.
       2.) Sn (20, a, a) = {(20, aa)}
                                  la G izbaci beskorisne symb.
       s) on (20, b, a) = {(21, 8)}
                                          5->[20,20,20] | [20,20,2] [ [30,20,22] | [20,20,23]
      4.) Sn (21,8,a)= {(22,8)}
      5) dn (12, b, a) = {(1, 4)}
6. Vn (12, E, Zo) = {(13, 8)}
      Mr prihvata L(Mr)={anbn|n≥1}
       SN(20,a,Zo)={(20,aZo)}: [20,Zo,2o] →a[20,a,2o][20,Zo,2o] a[20,a,21][21,Zo,2o]
                                                   a [10, a, 22][22, 20, 20] | a [20, a, 23] [23, Zo, 20]
                                       [20,20,21] -> a[20,0,20][20,20,21] a[20,0,21][21,20,21]
                                                    a [20, a, 22] [22, 70, 21] | a [20, a, 23] [23, 70, 21]
                                       [10,20,2] -> a[20,0,20][20,20,2] a[20,0,21] [21,20,2]
                                                    a[10,a,2,][12,20,92] a[10,a,23][13,70,22]
                                       [20,20,23] -> a[20,a,20][20,20,23] | a[20,a,2,2,][21,20,23]
                                                    a[10, a, 22][22, 20, 23] \ a[20, a, 23][23, 20, 23]
           SN(20, a, a) = {(20, a, a)}: [20, a, 20] -> a[20, a, 20][20, a, 20] \ a[20, a, 21][21, a, 20]
                                                  a[20, a, 22][22, a, 20] | a[20, a, 23][23, a, 20]
                                     [20, 0,21] -> a[20,0,20][20,0,21] a[20,0,21][21,0,21]
                                                  a [20, 9,22][22, 9,21] | a [20, 9,23][23,9,21]
                                     [10, a, 22] -> a[20, a, 20][20, a, 2] | a[20, a, 2][21, a, 2]
                                                  a[20, a, 22][12, a, 22] | a[20, a, 23][23, a, 22]
                                     [10,a,2,] -> a[20,a,20][20,a,23] | a[20,a,21][21,a,23]
                                                 a[20,0,22][21,0,23] | a[20,0,23][23,0,23]
          SN(20,b,a)={(21, €)}: [20,a,21] → b
                                                         generativni: { [20, a, 2, 1], [21, a, 22], [22, a, 21], [22, 20, 25],
          dn(11, €, a)={(12, €)3: [21, a, 22] → €
                                                                         [90, a, 2, ], [20, 20, 20], 53 -OSTALL VAN
          SN(22,b,a)={(21, €)}: [22,a,21] → b
                                                         dohvatljivi: { svi-generativni, b, E} -NIŠTA VAN
          JN(22, €, 20) - {(23, €)}: [12, 20, 23] -> €
                                        b) Sa dobivenom a pod a) napiši postupak generisanja
         S->[20, Zo, 23]
                                         riječi "aab" i "aagabb"
     [20,20,23] >a[20,a,22][22,20,23]
    [20, a, 2] -> a [20, a, 2,] [21, a, 2]
                                          aab: 5-120,20,23] -> a [20, a, 22][22,20,23] -> aa[30,a,2,1][21,a,22][32,20,3]
    [20,a,2,] -> a[20,a,2][2,a,2,]
                                                       ->aab 89->aab
    [20,a,21]->b[21,a,22]->E
   [22,0,21]->6[22,20,23]->8
aaaabb: 5-120,20,23] -> a[20,a,22][22,20,23] -> aa[20,a,21][21,a,22][22,20,23]
              -> aaa[90, a, 2][2, a, 2,][2, a, 2][2, a, 2][2, Zo, 2] -> aaaa[20, a, 2,][21, a, 2][22, a, 2,][21, a, 2][22, Zo, 2]
              -> aaaab[21,a,2][21,a,21][21,a,2][21,20,23] -> aaaabEbEE -> aaaabb
```

