```
 N>1!. )991(!,9!D>,^*>!D1!<(1<)(1!12-^*)+,89)5!<1(089915!,0!,948(. 12!7=!1,:>+!10019+,)5! ) ++(,7-+100! ) ++(,7-+100! ) ++(,7-+100! ) ++(,7-+100! ) ++(,7-+100! ) ++(,7-+100! ) ++(,7-+100! ) ++(,7-+100! ) ++(,7-+100! ) ++(,7-+100! ) ++(,7-+100! ) ++(,7-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-+100! ) ++(,9-
```

SB 4)*,5,+)+,9:!,9?-,(=!)92!(1451*+,893!,!13!<(8A,2,9:!0+(-*+-(

 $\#)92,2) + 10! < (1 <) (12!,9!1) (5=!*>,52>882!21: (11! < (8: (). 0!-921(0+)92!+>)+!*>,52!8701(A)+,893! \\ 28*-. 19+)+,893!) 92!8+>1(!48(. 0!84!)00100. 19+!) (1!*19+()5!+8!+>1!<()*+,*1!84!)55!1) (5=!*>,52>882! \\ < (84100,89) 508!N>1=!E98D!) 78-+!) 92!-921(0+) 92!+>1!: 8) 503!71914,+03!) 92!-010!84!) 00100. 19+<math>8!N>1=1!20!$ 1940 (100,000) 194!N>1=1 (100,000) 194!N

```
N>1!*)92,2)+1!>)0!8<<8(+-9,+,10!+8!8701(A1!)92!<()*+,*1!,9!)+!51)0+!+D8!84!+>1!
       +>(11!.),9!+=<10!84!1)(5=!12-*)+,89!01++,9:0!L1)(5=!0*>885!:()2103!*>,52*)(1!
       *19+1(0!) 92!>8. 103!Z1) 2!H+) (+!<(8:(). 0M!
                                              J00,: 9. 19+0!<(8A,21!0+-219+0!D,+>!+>1!
8 << 8(+-9,+=!+8!) << 5=!*89+19+!D>,51!,9+1()*+,9:!D,+>!*5)00. )+10!8(!)9)5=\,9:!
(141(19*1!*8-(01!.)+1(,)50!D>,51!19:):,9:!,9!)!+>8-:>+4-5!2,0*-00,89!D,+>!*5)00.)+10!89!
+>1!+8<,*0!<(8A,212B!
              H+-219+0!D,55!<5) 93!21A158<3!) 92!19) *+!+>(11!510089!<5) 908!
ļ
                                  H+-219+0!D_{,}55!*8. <51+1! < 8(+485,8!+>(8-:>8-+!+>1!
*8-(018
                                                 II
H+-219+0!D_{5}, 5!71!1A)_{5-}+12!2-(,9:!'()*+,*-.!/!7)_{012}, 9!19:1.19+1.99+>1!895,91!*8-(01!)_{11}
)92!1A)5-)+,89!84!<1(48(.)9*1!,9!+>1!4,152!<5)*1. 19+B!"A)5-)+,89!84!<1(48(.)9*1!,9!+>1!
4,152!D,55!71!7)012!89!)(+,4)*+0!<(1019+12!,9!+>1!0+-219+10!<8(+485,83!0-**1004-5!)
*8. <51+,89!84!' 'JN!N)0E!P3!)92!+>1!. 19+8(!+1)*>1(T0!1A)5-)+,89!84!+>1!0+-219+!,9!+>1!
4.152!01++.9:B!!
       ļ
       PB!!
              N>1!C(). 1D8(E!48(!N1)^*>,9:!!J!28^*-. 19+!4(8. !+>1!])9,15089!^(8-<3!N>1!
       C(). 1D8(E!48(!N1)*>,9:!,0!)!(101)(*>67)012!01+!84!*8. <8919+0!84!,90+(-*+,893!
       )5,: 912!+8!+>1!/I NJH#!0+)92)(203!)92!: (8-9212!,9!)!*890+(-*+,A,0+!A,1D!84!
       51)(9,9:!)92!+1)*>,9:B!
              (1)_{+,89}
       '(84100,89)5!'(1<)()+,89!'(8:(). 0!N>101!R&P&!/9,+,)5!H+)92)(20!)(1!-012!,9!
       IJ''K\#!J^{**}(12,+)+,89!84!)008^{*},)+13!7)^{**})5)-(1)+13!)92!. )0+1(_0!21:(11!<(8:().0!))11.
       <(8A,2,9:121:(11!*)92,2)+10!D_{+}>!+>1,(!4,(0+!1:<1(.19*1!)92[8(!*(1219+,)5!,9!1)(5=!)]
       *>,52>882!0+-2,108!!
              N>1!!"\#^! \cup 00100. 19+!N)0E!^1?-,(1. 19+0!3!)5,:912!D,+>!/9NJH\#!a8215!
       \#8(1!N1)^*>,9: !H+)92)(20!L' \ \ CMS!. \ 1)0-(1!+>1!,90+(-*+,89)5!*)<)7,5,+=!84!+1)^*>1(!
       *) 92,2)+10!7148(1!(1*1,A,9:!)!5,*1901B!N>1!)00100. 19+!*890,0+0!84!48-(!+)0E0!b!
       891!48(.)+A1!)92!+>(11!0-..)+A18!")*>!+)0E!(1?-(10!D(+19!*8...19+)(=!)92!
       0-7.00,89!84!)(+,4)*+08!H+-219+0!D,55!)22(100!N)0E!P!,9!"#"!$%&!6!'()*+,*-.!P8!
              15) D) (1!H+) (0!48(!") (5=!H-**100!,0!] 15) D) (170!C-)5,+=!`)+,9:!)92!
       /. < (8A1. 19+!H=0+1. !Lc^/HM!) 2. ,9,0+1(12!7=!+>1!] 15) D)(1!] 1<)(+. 19+!84!
       "2-*)+,898!J!c`/H!,0!)!. 1+>82!+8!)001003!.. <(8A13!)92!*8... -9,*)+1!+>1!51A15!84!
       ?-)5+=!,9!1)(5=!*)(1!)92!12-*)+,89!)92!0*>88\%):1!01++,9:08!N>1!:8)5!84!]15)D)(1!
```

```
H+) (0!,0!+8!,9A10+!,9!<)(+,*,<)+,9:!<(8:(). <math>0!+8!,9*(1)01!)**100!+8!>,:>!?-)5,+=!*)(1!
         UB!!
                             IJ"K\#!") (5=!d1) (9,9:!' (8:(). !J^{**}(12,+)+,89!H+) 92) (20!\in!J00100. 19+!
         /+1.0!!).. !+8!190-(1!+>1!?-)5.+=!84!*>.52(190!2).5=!1:<1(.19*10!.9!1)(5=!51)(9.9:1)
         <(8:(),0!)92!+8!<(8,8+1!<80.+,A1!*>.52!8-+*8.108!1 J"K#!")(5=!d1)(9.9:1)
         '(8:().!J**(12,+)+,89!>15<0!*(1)+1!)!-9,4=,9:!4().1D8(E!84!?-)5,+=!+>)+!,0!
         )5,: 912!D,+>!+>1!<(84100,89T0!*8551*+,A1!E98D512: 1!84!710+!<()*+,*108!
                            115)*)(1!^1:-5)+,890!48(!")(5=!*)(1!)92!"2-*)+,89!)92!H*>8856J:12!
         #19+1(0!<(8+1*+!)92!0-<<8(+!+>1!>1)5+>3!0)41+=3!D15571,9:3!)92!<80,+,A1!
         21A158<. 19+!84!*>,52(19!D>8!(1*1,A1!*)(1!,9!1)(5=!*)(1!)92!12-*)+,89!)92!
         0*>8856): 1!*19+1(08!N>101!(1:-5)+,890!10+)75,0>!..,9,..-..!0+)92)(20!+>)+!5,*19012!
         *19+1(0!)(1!(1?-,(12!+8!48558Db!d,*19012!*19+1(0!.)=!1;*112!+>1!(1:-5)+,890!01+!
         7 = !+> 1! f_{44} * 1!84! #> 52! #) (1!d, *190, 9: !Lf ##dM7 = !X8, 9, 9: !] 15) D) (1!H+) (0!48(!") (5=!)
         H-**100!8(!7=!+>1!5.*19011T0!8D9!1448(+08!)
                             "9A_{1}(89. 19+)5!^{+})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(91. 19+)51!^{-})_{1}(
         )00100!*19+1(67)012!!*>,52!*)(1!<(8:().0!48(!A)(,8-0!):1!:(8-<0!,9*5-2,9:!,94)9+0!)
         ) 92!+82251(0B!!N>1!/94) 9+[N82251(!`)+,9:!"9A,(89. 19+)5!`)+,9:!H*)51!,0!+>1!0*)51!!
         (8<(1)+1!48(!-01!,9!+>,0!<()*+,*-. !<5)*1. 19+8!
                            115) D) (1!") (5=!d1) (9,9: !C8-92)+,8900!!/94) 9+!) 92!N82251(!<(8A,210!)!
         WB!!
         7(8)2!< *+-(1!84!D>)+!>)<<190!+8!*>.52(19!)0!+>1=!:8!4(8. !.94)9*=!+8!+82251(6. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81(8. !.94)9*=1.81
         >8828!#>,52(19!21A158<!)0!)!(10-5+!84!+>1!.)9=!+>,9:0!+>)+!>)<<19!D>,51!+>1=!)(1!
         .9A85A12!D_{+}>!+>1!)2-5+0!D>8!*)(1!48(!+>1. B!N>1!")(5=!d1)(9,9:!C8-92)+,890!
         28^* - .19 + 1.01.9 + 19212! + 8!01(A1!)0!)!D) = 148(!)2 - 5 + 0! + 8!190 - (1! + >) + 1 + > 1 = !)(1! .)E.9:!
         )A),5)751!)<<(8<(,)+1!)92!911212!)*+,A,+,10!+8!0-<<8(+!*>,52(19ĭ0!: (8D+>!)92!
         21A158<. 19+B!!N>1!28*-. 19+!,0!,9+19212!+8!71!-012!)0!)!7(8)2!,90+(-*+,89)5!
         : -,21!48(!<5)99,9:!1:<1(,19*108!
         %B!!
                            G921(0+)92,9: !d1)(9,9:!`108-(*10!
                                                q5-1<(,9+!48(!'1(089)5,12!d1)(9,9:!,9!]15)D)(1!
            6!!!!!!!!!!!
            6!!!!!!!!!!
                                                q588. TO!N);898. =!
            6!!!!!!!!!!!
                                                #5)00(88. !a)9):1. 19+!
                                                ^(8-<!D8(E0!G0.9:!*88<1()+,A1!51)(9.9:!:(8-<0!1441*+,A15=!
            6!!!!!!!!!!!
            6!!!!!!!!!!
                                                /9*(1)0.9:1/9*5-0.A.+=1.9!+>1!#5)00(88.
                                                Z8D!' 18<51!d1) (9!
            6!!!!!!!!!!!
                                                a1+)*8:9,+,89!
            6!!!!!!!!!!!
            6!!!!!!!!!!
                                                a,924-59100!,9!+>1!#5)00(88. !
            6!!!!!!!!!!!
                                                a 8+,A)+,9: !H+-219+0!
                                                '1(089)5\\12!d1)(9.9:!
            6!!!!!!!!!!!
                                                H-70+,+-+,89!J-:. 19+)+,89!a82,4,*)+,89!`1214,9,+,89!a8215!
            6!!!!!!!!!!!
                                                N1*>9858: ,*)5!' 12):8: ,*)5!J92!#89+19+!h98D512:1!
            6!!!!!!!!!!!
                                               N1)*>1(!N88578;!
            6!!!!!!!!!!!
                                               i_{0}-)5!d1)(9.9:!
            6!!!!!!!!!!!
\#\$!!\%\&\&'(')*+,!-./)0-1./!+-.!.23.\&\&.\&!**!4..5,6!2)\&0,../\$!
```