

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

PB 190-(,9: !+>)+!<(8: () . 0!)(1!E98D512: 167)0120!

RB A,1D,9: !12-*)+,89)5!<1(089915!)0!51)(91(03!,9*5-2,9: !)!48*-0!89!21*890+(-*+,9: !
<)0+!1; <1(,19*10!)0!51)(91(0!,9!*8-(01D8(E!)92!4,152!1; <1(,19*10!)92!

21A158<,9: !)<<(8<(,) +1!E98D512: 1!84!+>1!*89+19+)92!2,0*8-(01!84!+>1!

2,0*, <5,910!+8!71!+) - : >+0!

\$B *89+1; +-)5!)92!* -5+-()5!0190,+,A,+=0!

SB 4)*,5,+)+,9: !,9?-,(=!)92!(1451*+,893!,813!<(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+8!N>1=!
E98D!)78-+!)92!-01!0=0+1.)+,*!8701(A)+,8903!28*-. 19+)+,893!)92!8+>1(!1441*+,A1!)00100. 19+!
0+()+1: ,10!,9!)(10<890,751!D)=3!,9!<)(+91(0>,<!D,+>!4). ,5,10!)92!8+>1(!<(84100,89)503!+8!<80,+A15=
,945-19*1!+>1!21A158<. 19+!84!1A1(=!*>,528!

- $N > 1!^* 92, 2) + 1! > 0! 8 < < 8(+ - 9, +, 10! + 8! 8701(A!)) 92! < ()^* +, * 1!, 9!) + 51) 0! + D 8! 84! + > 1!$
 $+ > (11! .) , 9! + = < 10! 84! 1) (5 = ! 12 - *) +, 89! 0! +, 9: 0! L 1) (5 = ! 0^* > 885! : () 2! 103!^* > , 52^*) (1!$
 $* 19 + 1(0!) 92! > 8. 103! Z 1) 2! H +) (+! < (8: () . 0M!$
 $!$

J00, : 9. $19 + 0! < (8A, 2! 10 + - 219 + 0! D, + > ! + > 1!$

$8 < < 8(+ - 9, + = ! + 8!) < < 5 = ! * 89 + 19 + ! D > , 5! ! , 9 + 1()^* +, 9: ! D, + > ! * 5) 00.) + 10! 8(!) 9) 5 = \ , 9: !$
 $8701(A) +, 890! 84! , 90 + (- * +, 89!) 92! 0 + - 219 + ! 51) (9, 9: ! 8 - + * 8. 10B! ! H + - 219 + 0!) (1! ! ; < 1^* + 12! + 8!$
 $(141(19^* 1! * 8 - (0! ! .) + 1(,) 50! D > , 5! ! 19:) : , 9: ! , 9!) ! + > 8 - : > + 4 - 5! 2, 0^* - 00, 89! D, + > ! * 5) 00.) + 10! 89!$
 $+ > 1! + 8 < , * 0! < (8A, 2! 12B!$

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$H + - 219 + 0! D, 55! < 5) 93! 2! 1A 158 < 3!) 92! 19)^* + ! + > (11! 5! 10089! < 5) 90B!$

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$H + - 219 + 0! D, 55! * 8. < 5! + 1!) ! < 8(+ 485, 8! + > (8 - : > 8 - + ! + > 1!$

*8 - (01B

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$H + - 219 + 0! D, 55! 7! 1! 1A) 5 -) + 12! 2 - (, 9: ! ' ()^* +, * - . ! / 7) 0! 12! 89! 19:) : 1. 19 + ! , 9! + > 1! 895, 91! * 8 - (0! !$
 $) 92! 1A) 5 -) +, 89! 84! < 1(48(.) 9^* 1! , 9! + > 1! 4, 152! < 5) * 1. 19 + B! " A) 5 -) +, 89! 84! < 1(48(.) 9^* 1! , 9! + > 1!$
 $4, 152! D, 55! 7! 1! 7) 0! 12! 89!) (+ 4)^* + 0! < (10! 19 + 12! , 9! + > 1! 0 + - 219 + 0! < 8(+ 485, 83! 0 - ** 1004 - 5!$
 $* 8. < 5! + , 89! 84! ' ' JN! N) 0E! P3!) 92! + > 1!. 19 + 8(! + 1)^* > 1(T0! 1A) 5 -) +, 89! 84! + > 1! 0 + - 219 + ! , 9! + > 1!$
 $4, 152! 0! + , 9: B! !$

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PB!! $N > 1! C() . 1D8(E! 48(!N1)^* > , 9: ! ! J! 28^* - . 19 + ! 4(8. ! + > 1!]) 9, 15089! ^ (8 - < 3! N > 1!$
 $C() . 1D8(E! 48(!N1)^* > , 9: ! , 0!) ! (101) (* > 67) 0! 12! 0! + ! 84! * 8. < 89! 19 + 0! 84! , 90 + (- * +, 893!$
 $) 5: 9! 12! + 8! + > 1! / I NJH# 10+) 92) (203!) 92! : (8 - 92! 2! , 9!) ! * 890 + (- * +, A, 0! + A, 1D! 84!$
 $51) (9, 9: !) 92! + 1)^* > , 9: B!$

RB!! $I) +, 89) 5! J008^* ,) +, 89! 48(! + > 1! " 2 - *) +, 89! 84! K8 - 9: ! # > , 52(19! Y! H +) 92) (20! 48(!$
 $' (84! 100, 89) 5! (1 <) +, 89! (8: () . 0! N > 10! R & P & ! / 9, +, 5! H +) 92) (20!) (1! - 0! 12! , 9!$
 $I J " K # ! J ** (12, +) +, 89! 84!) 008^* ,) + 13! 7) **) 5 - (1) + 13!) 92! .) 0 + 1(0! 21: (11! < (8: () . 0!$
 $< (8A, 2, 9: ! 21: (11!^*) 92, 2) + 10! D, + > ! + > 1, (4, (0 + ! 1; < 1(, 19^* 1!) 92[8(! * (12! 19 + ,) 5! , 9! 1) (5 = !$
 $* > , 52 > 882! 0 + - 2, 10B! !$

\$B!! $N > 1 ! ! " # ! J00100. 19 + ! N) 0E! ` 1? - , (1. 19 + 0! 3!) 5: 9! 12! D, + > ! / 9NJH# ! a 8215!$
 $# 8(1! N1)^* > , 9: ! H +) 92) (20! ! '] CMB! . 1) 0 - (1! + > 1! , 90 + (- * +, 89) 5!^*) <) 7, 5, + = ! 84! + 1)^* > 1(!$
 $*) 92, 2) + 10! 7! 148(1! (1^* 1, A, 9: !) ! 5, * 190! 1B! N > 1!) 00100. 19 + ! * 890, 0 + 0! 84! 48 - (! +) 0E0! b!$
 $89! 148(.) +, A 1!) 92! + > (11! 0 - . .) +, A 1B! ")^* > ! +) 0E! (1? - , (10! D(, + 19! * 8. . 19 +) (= !) 92!$
 $0 - 7. , 00, 89! 84!) (+ 4)^* + 0B! H + - 219 + 0! D, 55!) 22(100! N) 0E! P! , 9! " # " ! $ % & ! 6! ' ()^* +, * - . ! PB!$
 $SB! ! [15) D) (1! H +) (0! 48(! ") (5 = ! H - ** 100! , 0!] 15) D) (1T0! C -) 5, + = ! ') +, 9: !) 92!$
 $/ . < (8A1. 19 + ! H = 0 + 1. ! ! C ` / H! M) 2. , 9, 0 + 1(12! 7 = ! + > 1!] 15) D) (1!] 1 <) (+ . 19 + ! 84!$
 $" 2 - *) +, 89B! J! C ` / H! , 0!) ! . 1 + > 82! + 8!) 001003! , . < (8A13!) 92! * 8. . - 9, *) + 1! + > 1! 5! 1A15! 84!$
 $? -) 5, + = ! , 9! 1) (5 = !^*) (1!) 92! 12 - *) +, 89!) 92! 0^* > 8856) : 1! 0! + , 9: 0B! N > 1! : 8) 5! 84!] 15) D) (1!$

H+) (0!,0!+8!,9A10+!,9!<)(+,*,<)+,9: !<(8: (). 0!+8!,9*(1)01!) **100!+8!>,: >!?-)5,+=!*) (1!
48(!)5!84!] 15)D) (1T0!*>,52(193!10<1*,)55=!+>801!4(8. !58D6,9*8. 1!4). ,5,10B!

UB!! I J"K#!") (5=ld1) (9,9: ! (8: (). !J**(12,+)+,89!H+) 92) (20!e!J00100. 19+!
/+1. 0!!),. !+8!190-(1!+>1!?-)5,+=!84!*>,52(19,0!2),5=!1; <1(,19*10!,9!1) (5=!51) (9,9: !
<(8: (). 0!) 92!+8!<(8. 8+1!<80,+A1!*>,52!8-+*8. 10B! I J"K#!") (5=ld1) (9,9: !
' (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+!<() *+,*10B!

@B!! [15*) (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(OB!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!f44,*1!84!#>,52!#) (1!d,*190,9: !LF##dM! 7=!X8,9,9: !] 15)D) (1!H+) (0!48(!") (5=
H- **100!8(!7=!+>1!5,*19011T0!8D9!1448(+OB!

VB!! "9A,(89. 19+)5!`)+,9: !H*)51!!,(0!)4). ,5=!84!<(82-*+0!+>)+!) (1!210,: 912!+8!
)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(OB!N>1!/94)9+[N82251(!`)+,9: !"9A,(89. 19+)5!`)+,9: !H*)51!,0!+>1!0*)51!!
)<<(8<(),+!48(!-0!1!,9!+>,0!<() *+,*-. !<5)*1. 19+B!

WB!! [15)D) (1!" (5=ld1) (9,9: !C8-92)+,8900!!/94)9+) 92!N82251(!<(8A,210!)!
7(8)2!<,*+- (1!84!D>)+!>)<<190!+8!*>,52(19!)0!+>1=! : 8!4(8. !,94)9*+=!+8!+82251(6
>882B!#>,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=ld1) (9,9: !C8-92)+,890!
28*- . 19+!,0!,9+19212!+8!01(A1!)0!)!D)=!48(!)2-5+0!+8!190-(1!+>)+!+>1=! (1!.)E,9: !
)A),5)751!)<<(8<(),+!)92!911212!) *+,A+,10!+8!0-<<8(+!*>,52(19T0!: (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*10B!

%B!! G921(0+)92,9: !d1) (9,9: !` 108-(*10!

6!!!!!!!!!!!! g5-1<(,9+48(!` 1(089)5,\12!d1) (9,9: !,9!] 15)D) (1!
6!!!!!!!!!!!! g588. T0!N); 898. =!
6!!!!!!!!!!!! #5)00(88. !a)9): 1. 19+!
6!!!!!!!!!!!! ^ (8-<!D8(E!G0,9: !*88<1()+,A1!51) (9,9: !: (8-<0!1441*+,A15=
6!!!!!!!!!!!! /9*(1)0,9: !/9*5-0,A,+=! ,9!+>1!#5)00(88. !
6!!!!!!!!!!!! Z8D!' 18<51!d1) (9!
6!!!!!!!!!!!! a 1+)*8: 9+,89!
6!!!!!!!!!!!! a ,924-59100!,9!+>1!#5)00(88. !
6!!!!!!!!!!!! a 8+,A)+,9: !H+-219+0!
6!!!!!!!!!!!! ' 1(089)5,\12!d1) (9,9: !
6!!!!!!!!!!!! H-70+,-+,89!J-: . 19+)+,89!a 82,4,*)+,89!` 1214,9+,89!a 8215!
6!!!!!!!!!!!! N1*>9858: ,*)5!' 12): 8: ,*)5!J92!#89+19+h98D512: 1!
6!!!!!!!!!!!! N1)*>1(!N88578: !
6!!!!!!!!!!!! i ,0-)5!d1) (9,9: !

#S!!%&&'()*+,-./)0-1./!+-.! 23.&&.&!*!4..5,6!2)&0,./S!

