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)%, 0, -&, 5!"#!P(e, &, !FFF\B!-R/1&/ (M<sup>EY</sup>!0@/\*+(%!A, %4 (-!=1@/, +![EFGZ\!5, 0@%1", 0!  
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P%, , !M\*%+5J1, M!(-5!&\*!3&1+1T, !&/10!Q-\*M+, 5<, !1-!&/, 1%&, (@/1-<!4, &/\*5\*+\*<1, 0!D-!  
, N)+(1-1-<!) (%&!\*8!&/10!/\*+10&1@!3-5, %0&(-51-<!=1@/, +!5, 0@%1", 0!!  
?3%!M(#!\*8!+18, !10!1-0, )(%("+, !8%\*4!\*3%0)1%1&3(+!@, %, 4 \*-1, 0B!0&%1, 0B!0\*-<OB!  
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%, 1-8\*&@, !\*3%!P%, , !M\*%+5J1, M!>4", 55, 5!M1&/1-!&/, 0, !@3+3%(+, N)% , 001\*-0!  
(%, !@\*4)+, N!&, (@/1-<OB!P%, , !+(M0B!(-5!, &/1@(+!)%1-@1)+, 0!\*8!+1J1-<!M1&/!(-5!  
&/%\*3</!&/, !-(&3%(+!M\*%+5V!P%, , !)/1+\*0\*)/#!%, e, @&0!-\*&1\*-0!\*8!0, <%, <(&1\*-B!  
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2141+(%+#!B!&/,!-R/1#(M!/\*+10&1@!) (%(51<4!5\*,0!-\*&!@+,(%+#!510&1-<310/!" ,&M,, -!

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)()%@1(&1\*-!8\*%!&/, !814, !@\*441&4, -&!\*8!) (%&1@1) (-&0!. /10!, :31%, 0!4, !&!\*!-\*&! )%, &, -5!&\*!" , !(-!\*\*e, @&1J, !\*3&015, %!"3&!&\*!" , !83++#!, -<(<, 5!(-5!(3&/, -&1@!1-!(+!4#! 5, (+1-<0!M1&/!) (%&1@1) (-&0!(-5!&\*!%, @\*<-1T, !&/, 4!(0!, 0&, , 4, 5!@\*-%&1"3&\*%OB!-\*&!(0! %, 0, (%@/!03"e, @&0!D!M\*3+5!+1Q, !&\*!@(+!&/10!(!) (%&1@1) (&\*&%#!() )%\*(@/!" , @)(30, !D!" , +1, J, ! 1-&/, !)%1-@1)+, 0!(00\*&1(&, 5!M1&/!@\*443-1&#g"(0, 5B!) (%&1@1) (&\*&%#!%, 0, (%@/!"3&!1-! &/, !, -5B!D!0&1++!@\*-53@&, 5!1-&, %J1, M0![(+", 1&!510@3001\*-g"(0, 5\!(-5!&/, !M%1&1-<!(-5! (-(#010!(%, !0&1++!4#!\*M-!. /10!())%\*(@/!/\*M, J, %B!@(+0!8\*%) (%&1@1) (-&0!&\*!%, J1, M! &/, 1%1!- )3&!&\*, -03%, !)%\*) , %!%, )%, 0, -&(&1\*-!D-!&/10!+141&, 5!0, -0, B!&/, #!(%, ! 0&(Q, /\*+5, %0!(-5!@\*g@%, (&\*&%0!D&!10!4#!/\*), !&/(&!(&!+, (0&!0\*4, !\*8!&/, !1003, 0!(-5! 15, (0!)%, 0, -&, 5!/, %, !M1++!" , !@\*-015, %, 5!1-!&/, 1%!M\*&Q!(0!)(@&1&1\*-, %0! ! =#!%, 0, (%@/!10!-\*&15, 01<-, 5!&\*15, +1J, %!(!)%\*53@&!%0\*4, !<%(-5!&%3&/j!%(&/, %! 1&!10!:3(+1&1J, !(-5!)%\*@, 00!\*&1, -&, 5!D!(4!h<1J1-<" (@Q!&\*!) (%&1@1) (-&0!(-5!&\*!&/, ! +(%%,-R/1#(MRM1-!@\*443-1&#!"#!)%\*J151-<!\*1)1, 0!\*&8!&/, !81-(!&/, 010!5\*&34, -&0!&\*! (+!) (%&1@1) (-&0!(-5!", 1-<!M1+1-<!&\*!) (%&1@1) (&, !1-!(-#!, -031-<!510@3001\*-0L! ! D-!&/, !%, (+4!\*&8!1-51<, -\*30!(@)(5, 41(B!D!" , +1, J, !&/, %, !/(0!(+%, (5#!" , , -!43@/ 0&(&, 5!(\* \*3&!&/, !5, @\*+\*-1T1-<!(0) , @&0!\*&8!) \*0&g@\*+\*-1(+!1-51<, -\*30!%, 0, (%@/!&/, \*%#!0\*! D!5\*-i&!/ (J, !(-#&/1-<!-, M!&\*!(55!&\*!&/10!510@3001\*-L!D-!&/, !0) 1%1&!\*8!&/10!&/, \*%#B!D!

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@\* -@, ) &0!(-5!" , +1, 80!(" \* 3&!&/ , !M\*%+5!" 3&!1-!5\*1-<!0\*B!@(-!(+0\*!\*88, %!(+&, %-(&1J, 0!(-5!

(!5188, %, -&!M(#!\*8!J1, M1-<!(-5!\*), %(&1-<!1-!+18, !!I -5, %0&(-51-<!-R/#(MRM1-!(-5!

-R/1#(M!&S)101-\*M1-!@(-!" , !, 4) \*M, %1-<!- \*&le30&!8\*%!&/ , !) 3%) \*0, !\*8!15, -&1&#B!

0) 1%1&3(+1&#!\*%!0, -0, !\*8!" , +\* -<1-<!" 3&! (+0\*!") , @ (30, !-R/1#(M!Q-\*M+, 5<, !@(-!1-8\*%4!

(-5!<315, !-R/1#(M!+(MB!-R/1#(M!+, (5, %0/1)!(-5!<\*J, %-(-@, B!-R/1#(M!1-&, ++, @&3(+!

&% (51&1\*-0B!(-5!4 (-#!\*&/, %!(%, (0!&/(&!M, !5, (+!M1&/!1-!(!4\*5, %-!M\*%+5!` R/1#(M!

Q-\*M+, 5<, !10!0&1++%, +, J(-&I` R/1#(MRM1-!)%(@&1\*-, %0!-, , 5!&\*!+\*\*Q!8\*%!&/, !/155, -!

4, (-1-<0!1-!" \*&/!-R/1#(MRM1-!(-5!>-<+10/!&, %40!(-5!@\* -@, ) &0! = (Q1-<!30, !\*8!&/, !

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30, 5!(!)/%(0, !M/, -, J, %!&, #!5\*3"&, 5!&/, !1-01-@, %1&#!\*8!0\*4, \*-, i0!M\*%50!Q\*-&(!  
M1#(!k4(!)RQ10Q\*M1-B!M/1@/!+1&, %(+#!8%(-0+(&, 0!(OB!h&/10!&(+Q!10!8\*%!-\*&/1-<i!D&1M(0!  
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0, -&14, -&D!@(%#!1-!%#1-<!&\*!+J, !(0!(!-R/1#(M!&/1-Q1-<) , %0\*-!1-!(!0\*4, &14, 0!  
\*J, %M/, +41-<!(-5!1-@%, (01-<#!5\*41-, , %1-<!M, 0&, %-!M\*%+5!  
! 6%1\*%&\*!4#!1-g), %0\*-!1-&, %J1, M0B!M/1@/!&\*\*Q!)+(@, !1-!>54\*-&\*!\$W!1-!03-, !  
EFGHB!D!)%, )(%5!M1&/!@, %, 4\*-#!1-!&/, !/\*), 0!&/(&!\*&/!&/, !%, 0, (%@/!(-5!  
1-&, %(@&1\*-0!", !<315, 5!D!5\*!-\*&!", +1, J, !&/, 0, !/1</#+!), %0\*-(!%, 8+, @&1\*-0!0/\*3+5!" , !  
, N)+(1-, 5!(0!) (%&!\*8!&/, !8\*%4 (+!%, 0, (%@/!)%\*@, 00!D-!4#!@/1+5/\*5!&%(-1-1-!(-5!1-!4#!  
&14, !(0!(-!\*0QS)RM!D!+, (%-, 5!&!\*!-\*&!0), (Q!\*) , -#!(\*\*3&!) , %0\*-(!5, 1&1, 0!\*&, J, -!&\*!  
0/(% , !4#!@, %, 4\*-1(+-(4, !\*3&015, !\*8!(!)%\*), %!@\*-&, N&!(-5!D!, 4(1-!+\*#(!&\*!&/, 0, !  
&, (@/1-<0!6%, )(%(&1\*-!@, %, 4\*-1, 0!(%, !(+%, (5#!(-!1-&, <%(+!) (%&!\*8!4#!", +1, 8!0#0&, 4!  
(-5!D!014)+#!(+\*M, 5!4#!%, 0, (%@/!&\*!", !1-&, <%(&, 5!1-&\*&/10!)%\*@, 00!  
! >+5, %0!0&, ), 5!1-!-R/1#(M!M(#0!\*8!Q-\*M1-<!(%, !\*8&, -!1-&31&1J, B!%, +#1-<!\*-!  
5%, (4OB!"\*5#!+(-<3(<, B!8(@1(+!, N)%, 001\*-0B!&\*-, !\*8!J\*1@, B!(&&1&35, OB!, 4\*&1\*-0B!  
4(--, %104OB!), %0\*- (0!(-5!\*&/, %!J, %" (!(-5!- \*-gJ, %" (+@3, 0!(-5!, -, %<1, 0!. /, #!  
, 4)+\*#!&/, !-R/1#(M!@\*-\*@, )&!\*8!4k01/&SM1-!(0!, N)+(1-, 5!1-!&/, !\*) , -1-<!0&\*#LZZ!D!  
Q-, M!D!/(5!&\*!())%\*(@/!&/, 0, !1-51J153(+0!M1&/!01-\*@, %1&#!(-5!(0!(!8, +\*M!-R/1#(M!  
0), (Q, %!#=#!())%\*(@/!M(0!(0!(!4, 4", %!\*8!&/, !-R/1#(M!0), (Q1-<!8(41+#!(-5!- \*&(0!(!  
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8%\*4, %!\*0QS)RMBB@, %, 4\*-1(+m0)1%&3(+!)%)%, -&1@, !(-5!/+, +), %i2D!M(0!&%(1-, 5!&\*!  
) , &1&1\*-!M1&/!&\*"(@@\*!(-5!&!, N)+(1-!M/(&1&1M(0!&/(&ID-,, 5, 5!%\*4!&/, !), %0\*-!D!M(0!  
(0Q1-<!/+, +)!8%\*4!ZH!. /10!10!(!M(#!&/(&!(@Q-\*M+, 5<, 0!-\*&e30&!/+, !), &1&1\*-, 5!\*-, i0!  
, N), %&10, !"3&!(+0\*&/(&!/+, !), &1&1\*-, %!10!@\*41-<!8%\*4!(!)\*01&1\*-!\*8!/341+1&#ID-!&/10!  
)%\*@, 00!&/, !), &1&1\*-, 5!), %0\*-B!(8&, %!/ , (%1-<!\*3&!/+, !%, :3, 0&B!/(0!&/, !\*)&1\*-!\*8!  
, 8301-<!&/, !&\*"(@@\*!18!&/, #!, 1&/, %!" , +1, J, !&/, #!@(--\*&!/+, +)!\*%&/(&!/+, !%, :3, 0&10!-\*&  
@\*41-<!8%\*4!(!h<\*\*5i!)+( @, !!. /, !&\*"(@@\*!10!, 00, -&1(+#!(!01-<-!\*8!%, 0), @&!&\*!&/, !0)1%1&0!  
&/(&M1+!", !@(+, 5!3)\*-!&\*<315, !&/, !) %\*@, 00!1! ) \*-!(@, )&(-@, !\*8!&/, !&\*"(@@\*B!&/, !  
)%\*@, 00!10!-\*M!%, @\*<-1T, 5!(0!0(@%, 5!(-5!1-@+301J, !\*8!&/, !-R/1#(M!0)1%1&!, (+4!!. /, !  
&\*"(@@\*!1-1&1(+#!\*88, %, 5!@(-!&/, -!" , !%, g\*88, %, 5!%\*!30, 5!1-!%, +(&, 5!@, %, 4\*-1, 0!!. /, !  
3-1-1&1(&, 5!\*&8&, -!410&(0, -#!(0034, !&/(&!/+, !&\*"(@@\*!10!(!<18&!51%, @&#!&\*!&/, !), %0\*-!  
", 1-<!), &1&1\*-, 5!"3&!1&10!%, (+#!(!<18&!&\*!(@Q-\*M+, 5<, !&/, !@(+, 5!3)\*-!0)1%1&0!D&10!&/, !  
8%\*4(+1T(&1\*-!\*8!(!0)1%1&3(+!(<% , 4, -&!\*%- , <\*&1(&1\*-!(-5!(!5\*\*%M(#!&\*!83%&/, %!  
510@3001\*-0!!. \*!\*88, %!&\*"(@@\*!M1&/\*3&!/10!Q-\*M+, 5<, !4, (-0!\*&!10Q!\*88, %1-<!1&!  
M1&/\*3&!(!)%\*), %!@\*-&, N&L!\$@@, )&(-@, !\*8!(!&\*"(@@\*!\*88, %1-<1303(+#!(+0\*!4, (-0!&/(&  
0(@%, 5!1-8%\*4(&1\*-!1-!) (%&1@3+(%!@(-!" , !510@300, 5!"3&, +5, %0!M1+!303(+#!4(0, !1&  
@+, (%!M/(&1@(-5!@(--\*&!", !%, @\*%5, 5!  
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? -@, !1-&, %J1, M!) (%&1@1) (-&0!(@, )&, 5!4#!&\*"(@@\*!\*88, %1-<BD!" , +1, J, !&/, #!  
%, @\*<-1T, 5!4#!0&35#!(0!) (%&!\*8!(!+(%<, %!@\*-&, N&L!. /, #!@

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(-5!%, +(N, 5!(-5!<(J, !\*8!&/, 1%&14, !: 31&, !<, -, %\*30+#!!. /, !30, !\*8!/34\*3%!(-5!0/(%, 5!  
0&%1, 0!\*8!@\* 4 4 3-1#!(-5!8(41+#!@\*--, @&1\*-0!M(0!(-\*&/, %!8(@&%!1-!"%, (Q1-<!&/, !@!, !  
(-5!) 3&&1-<!), \* )+, !(&, (0, !!. /10!10!(+!) (%&!8!&/, !%, +(&1\*-0/1)!" 31+51-<!&/(&!10!  
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30, !\*8!\*3%!M1-5\*M!\*8!\*) \*%&3-1#!8\*%!D!@\*3+5!-\*&!(88\*%5!&!0), -5!4 \*%, !&/(-!(M, , Q!  
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@\* -@, )&0!(-5!&, (@/1-<0!%, +(&, 5!&!M\*%+5J1, M!D-!5\*1-<!0\*!D!M(0!83+#!@\* -0@1\*30!\*8!&/, !  
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&\*\*Q!&/, !&14, !&\*!@\*-\*!%3&, !(-5!(55!&/, 1%J\*1@, 0!&\*!&/10!%, 0, (@/!1-!&/, !0) 1%1&!\*8!  
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&S)101-\*M1-B!D!M1+!8\*++\*M!3)!\*-!&/, !-R/1#(MRM1-!0&%3@&3%, !&/(&!M(0!1-&%\*53@, 5!1-!

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01-@, !&/, !-, M!@%, (&3%, 0!+\* \*Q, 5!+1Q, !"1<!J, %01\*-0!\*8!5\*<0![M/1@/!M, %, !30, 5!8\*%!  
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03)) \*%&, 5!4 (-#!\*8!&/, !\* "0, %J(&1\* -0!\*8!&/, !+1&, %(&3%, !%, J1, M!1-!@/() &, %!&M\*M!D-!  
5, 0@%1"1-<!&/, !@/(%(@&, %10&1@0!\*8!-R/1#(M!M\*%+5J1, M!(-5!)/1+\*0\*)/#!(0!(!%, 0) \* -0, !&\*!  
&/, !%"\*(5!\*), -1-<!: 3, 0&1\* -0!1-!&/, !: 3, 0&1\* --(1%, ![0, , !\$)), -51N!W\B&/, !1-8\*%4 (&1\* -!  
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\*8!-R/1#(M!@3+&3%, !W, @(30, !03@/!@\*-@, ) &0!@(-!/, +) !1-!3-5, %0&(-51-<!-R/1#(M!  
&S) 101-\*M1-B!&/, #!(%, !Q, #!&\*!&/10!0&35#L!D!M1+-\*M!83%&/, %!"%, (Q!5\*M-!0\*4, !  
15, -&181, 5!-R/1#(M!@\*-@, ) &0!) , %&(1-1-<!&\*!J(+3, 0!(-5!)%1-@1)+, 0!&\*!)%\*J15, !83+, %!  
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1-!&%(-0+(&1-<!-R/1#(M!@\* -@, )&0!&\*!&/, !+(&<, %!M\*%+5!D-!5, 0@%1"1-<!&/, !) /1+\*0\*)/#!  
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-R/1#(M!M\*%+5!/(J, !0\*3+0!\*&%!0)1%1&0!D&!10!(%, 41-5, %!&/(&!M, !\*3%0, +J, 0!(%!, !0)1%1&0!  
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! 8, (%!L?3%!@+\*0, 0&!@\*-@, )&!&\*!01-!10!) S0&(/\*M1-B!M/1@/!, : 3(&, 0!&\*!\*16..)%'-5!  
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14)\*%&(-&!&\*, N@+35, !!. %(-0+(&, 5!%\*3</+#!(OB!h0)1%1&!5%, (41-<!%!5%, (4!) \*M, %i2&/10!  
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!!! D-!&%(-0+(&1-<!-R/1#(M!0(@%, 5!@\*-\*@, )&0B!&/, %, !(%, !(+M(#0!0\*4, !0+1</&!51(+, @&1@(+!J(%1(&1\*-0!&\*!@\*-015, %!\$0!&/, !)%, J1\*30!03"0, @&1\*-0!\*-!J(+3, 0!(-5!@\*04 \*+\*<#!1-51@(&, B!-R/1#(M!&S)101-\*M1-!@(-!"!, !())%\*(@/, 5!8%\*4!(!M15, !J(%1, &#!\*8!1-&, %%,+(&, 5!(-<+, 0!\$@@\*%51-<!&\*!-R/1#(M!@\*04 \*+\*<#B!-R/1#(MRM1-!@\*4, 0!8%\*4!Q1/@14 (-1&\*M!(-5!8%\*4!&/, !0)1%1&!M\*&%+5!D&!M(0!&/, !+(-<3(<, !0)\*0, -!"#!Q10&R01-(MB!h\*3!, +5, %!"%\*&/, %!MRO(/QR@(/QB!(-5!(+!\*8!&/, !5, 1&1, 0!&/(&0/(), 5!&/, !@\*+, @&1J, !/10&\*1, 0!\*&8!(+!P%, , !6, \*)+, 0!6, %/()0!&/10!0&%\*-<13-@\* -0@1\*30!+1-Q!&\*!&/, !) (0&10!M/(&9\*0, !V(" (0@(!5, 0@%1", 0!M/, -!0/, !0&(&, 0!!

P%, , !+(-<3(<, !@\*4, 0!8%\*4!&/, !/, (%&(-5!D!, @\*<-1T, !1&!(0!b\*5g<1J, -!V/, -!D!0), (Q!>-<+10!/1&!0, , 40!&\*!\*-+#!@\*4, 18%\*4!4#!4\*3&/(-5!4#!%"(1-!D!/(J, !4\*%, !8(1&/(-5!", +1, 8!1-!M/(&D!(4!0(#1-<!M/, -!Di4!0), (Q1-<!P%, , !![9!LV(" (0@(B!), %0\*- (+!1-&, %J1, MB!03-, !Z%5B!EFGH\!

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H]! . /, %, !/(0! " , -! (!+\*!&! \*8! 4101-8\*%4 (&1\* -! (-5! - , M! (<, g+10, !) (-gD-51(-104!1-0) 1%, 5! "#! &/, !" \*\*Q0! \*8! M%&, %0!+1Q, !A#, 4, #\*/0&012&\*%4B23- " , (%!, !(&!. /, !%&1&1@1040! \*8!03@/!M%1&1- <0! (%!, !(" 3-5(-&(-5!@(- !

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30, 5! (0! (!&\*+!1-!4(-#!\$\*\*%1<1-(+!/, (+!-!(-5!), %0\*-(-+!<%M&/!M\*%Q0/\*)0!D&10!4#!3-5, %&(-51-  
&/(&!\* -#!-R/1#(M(Q!\*8!&/, !)+(1-0![-\*!8%\*4!&/, !M\*\*5+(-50!30, 5!&/, 0, !10Q\*-MS@1/ @1Q(-(![-R/1#(M!  
&, %4!8%!4, 51@1-, !M/, , +0!(-5!&/(+!0\*4, !\*8!&/, 0, !/, %&(<, !01&, 0!0&1!+, N10&1-!-R/1#(M!&, %%18\*%#!  
1-@+351-10Q\*-MS@1/ @1Q(-(!(% , !J(%1, 5!(-5!5!-\*!&<, -, %(+#!4(&@/!&/, !h4, 51@1-, !M/, , +!+, 00\*-0!\*8!), %0\*-(-+!  
<%\*M&/!M\*%Q0/\*)0!

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$\vee * \% 50! (\%, !5, 0@%1) \& 1J, !I2 * !M /, -!M, !+, (% -!P%, , !M, !/ (J, !& * !+, (% -!& /, !P%, , !M (#!$   
 $* 8! & / 1 - Q1 - <! (" * 3 & ! & / 1 - < 0! $ - 5! 1 & i0! - * & ! (+ M (#0! & /, !M (#! M, !M, %, !& (3 < /!, J, -! " #!$   
 $8 + 3, - & !0), (0, % 0B! " 3 & !1 & !0! & /, !) % *), % !M (#! [C, 0 + 1, !2Q1 --, % B1 - &, % J1, M! = (#! EYB!$   
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D&!10! (+0 \* !14) \* % & (- & ! & \* !%, 4, 4 "", % ! & / (& ! - \* & ! (+ +!8+3, - & !0), (0, % 0! 4 (0, ! < \* \* 5! + (- < 3 (<, !  
&, (@ /, % 0! \* %! & % (- 0 + (& \* % O! D - !8 (@ & B! - \* & ! \* - + #! 5 \* ! & % (- 0 + (& \* % O! -, , 5! & \* !", !14 4, % 0, 5! 1 - !  
- R / # (M! Q - \* M+, 5 <, B! & /, #! (+0 \* !-, , 5! (!81% 4! <% (0) ! \* 8! > - < +10 / ! + (- < 3 (<, ! &, % 40! (- 5!  
@ \* - @, ) & O! D - &, % 4, 51 (% 1, 0! (% , !0 \* 4, & 14, 0! -, , 5, 5! & \* !) % \*), % #! 1 - &, % ) %, & ! (- !, + 5, % i0!  
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+!J1-<!\*3%)%1-@1)+, 0!(-5!\*3%!+(M0!(0!(8\*3-5(&1\*-!L. \*!83++#()%)%, @1(&, !&/, 0, !(-5!  
\*&/, %!, +(&, 5!@\*-@, )&0!M, !430&!83++#3-5, %0&(-5!&/, 1%!4, (-1-<0!  
K#. - ' ' #\*+)05-\*(!

GL = \*%, !M\*&Q!10!-, , 5, 5!1-!, 0, (%@/1-)%, g@\*+\*-1(!-R/1#(M!"", +1, 80B@\*-@, )&0!  
(-5!0(@%, 5!&, %41-\*+\*<#!6%(@&1&1\*-, %0!/(J, !(+, (5#!15, -&181, 5!0\*4, !\*8!&/, 0, !  
@\*-@, )&0!1-!@/()&, %!8\*3%!(0!h&, %40!&\*!"", !83%&/, %!, 0, (%@/, 5!0\*!&/, !0, , 50!  
/(J, !(+, (5#!", , -!)+(-&, 5!7%\*4!(!+(-<3(<, !%, J1&(1T(&1\*-!), %0), @&1J, B1&10!  
14)\*%&(-&1&\*!15, -&18#!Q, #!M\*&50!, +(, 5!&\*!&/, 0, !&, (@/1-<0!(-5!8\*30!\*-!&/, !  
83+!%(-0+(&1\*-0!(-5!5, , ), %!4, (-1-<0!. /10!1-8\*%4(&1\*-!@(-!&/, -!"", !30, 5!&\*!  
)%\*J15, !4 \*%, !1-01</&0!1-&\*!-R/1#(M!&S)101-\*M1-!(-5!@\*04 \*+\*<#!M/1+, !  
, @+(141-<!(-5!5\*34, -&1-<!, +(, 5!&, %40!&/(&14(#!"", !8(+1-<!\*3&!\*8!30, !1-!!", !-!!"/(J, !(

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!, " , &M , , -!P/%10&1(-1&#!(-5!-R/1#(M!0(@%, 5!)%(@&1@, 0!" , !5, +1" , %(&, 5!3)!)%\* -&!  
. /10!41-141T, 0!&/, !%10Q!\*8!510@3001\*-0!<, &&1-<!4355+, 5!1-!&/, !4155+, !\*8!(-#!  
@\*+(" \*%(&1J, !)%\*@, 00L!\$-#!%, 0, (%@/!@\* -&%1" 3&\*%!M1&/!(-!(5\*)&, 5!8\*%, 1<-!  
%, +1<1\*30!)%(@&1@, B!, 0), @1(+#!(!@\*+\* -1(+!\*-, !03@/!(O!P/%10&1(-1&#!430&!" , !(+" , !  
&\*!%(-0@, -5!&/, 1%!15, \*+\* <1@(+!"1(0, 0!. /, 0, !5188, %, -@, 0!/(J, !&\*!" , !0(8, #!  
5, +1" , %(&, 5!\*&)3&!(015, !8\*%&/, !0(Q, !\*8!\*3%!<% , (&, %!@\*+, @&1J, !&S) MRM1-B!h&/, !  
&%3&/!1-!0\*!8(%!(0!1&!4 (#!" , !Q-\*M-!l!  
HL . /, !- , 5!8\*%1-&, %g51(+, @&1@(+!510@3001\*-0!@(- -\*&!" , !\*J, %!0&(&, 5!(-5!M1++!  
%, : 31%, !&/, !)%1-@1)+, !\*8!4S4(M1/Q(4S&\*M1-!h)1&@/1- <!1-!&\*<, &/, %!1-!&/, !  
0)1%1&!\*8!&\*<, &/, %- , 00i!V/1+, !&/, 0, !1-&, %g51(+, @&1@(+!510@3001\*-0!/() , -!  
1-8\*%4(+#!(4\*- <)%(@&1&1\*- , %OB!1&!10!&14 , !&\*!8\*%4(+1T, !&/10!51(+\*<3, !  
9, @\*J, %1- <!&/, !\*%1<1- (+!-R/1#(M!0)1%1&3(+!%, (+&1, 0!&\*!&/, !" , 0&!\*8!\*3%!("1&1, 0!  
1-!&/, !8(@, !\*8!\*J, %M/, +41-<!/10&\*%1@!(-5!@\* -&, 4)\*%(%#!P/%10&1(-!1-8+3, -@, !  
(-5!4\*5, %-1T(&1\*-!10!@%3@1(+!. /, !1-8\*%4(&1\*-!(" \*3&!&/, !@\*3- &, 00!  
@, %, 4\*-1, 0B!5, 1&1, 0!(-5!@\*04\*+\* <1@(+!81<3%, 0!5, 0@%1" , 5!&/%\*3</\*3&!&/10!  
&/, 010!10!15, (+8\*%!510@3001\*-!(-5!J, %181@(&1\*-!M1&/!%&(51&1\*-(!, +5, %0!(-5!8(1&/!  
0, , ), %0!8(41+1(%!M1&/!&/, !\*+5!@, %, 4\*-1, 0!6- (18(41+1(%!M1&/!P/%10&1(-!14) (@&0!  
\* -!-R/1#(MRM1-!!!!  
XL . /(&&!/ , !, N)+\*%(&1\*-!\*8!M\*&+5J1, M0B!" , +1, 80B!@\*04\*+\* <1, 0!(-5!&/, !  
S&(#\*/QRM1-(!" , !, N)(-5, 5!&\*!&/, !"%"(5, %!\$+<\*: 31(-!+(-<3(<, !8(41+#!  
M/, %, !51(+\*<3, !@(-!@, -&, %!\*-!@\*4) (%(&1J, !(-(+#010!(-5!81+1- <!1-!&/, !<()0!1-!  
Q-\*M+, 5<, !!. /, !@\*4) (%10\*-!\*8!&/, !\$-10/1- ((", 4\*M1-!@\* -@, )&!\*8!  
b1@/14 (-1&\*3!M1&/!&/, !-R/1#(MRM1-!@\* -@, )&0!\*8!Q1/@14 (-1&\*M!\*&%!

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4S4 (M1/&SMR-S-j!\*%!&/, !@\* 4) (%10\*-!\*8!&/, !S&(#\*/QRM1- (!5, 1&1, 0!  
MRO(/QR@(/Q!(-5!' (-(\*' T/\*!(-5!&/, !81<3%, 0!\*8!\*&/, %!\$+<\*-: 31(-!  
@\*04 \*+\*<1, 0!M\*3+5!" , !(-!, -+1</&, -1-<B!8(0@1- (&1-<!(-5!%, M(%51-<!  
, N), %1, -@, !8\*%)%(@&1&1\*-, %OB!0), (Q, %0!(-5!+, (%-, %OLXE!. /, %, !10!&%3#43@/!  
M, !@(-!+, (%-!8%\*4!\*-, !(-\*&/, %!(-5!8\*%4 (+!51(+\*<3, !" , &M, , -!(+!\$+<\*-: 31(-!  
+(-<3(<, !0), (Q, %0!10!+\*<!J, %53, !D&!10!4#!\*M-!" , +1, 8!&/(&!@\*+\*-1T(&1\*-!  
1-&, %%3)&, 5!&/, !Q1-5!\*8!1-&, %g+(-<3(<, !51(+\*<3, 0!&/(&!\*-@, !&\*\*Q!) +(@, !M1&/!  
\*3%!(-@, 0&\*%0!(-5!&/(&!1&!0!3)!\*&!&/, !@3%%, -&!<, - , %(&1\*-!\*8!+(-<3(<, !  
)%(@&1&1\*-, %0!&\*!@+(14!" (@Q!&/10!J (+3("+, !1-&, %g&%1" (+!)%\*@, 00!(0!\*-, !\*8!&/, !  
8%(&1&1\*-(!8\*%40!\*8!1-51<, -\*30!%, 0, (%@/!  
" 590: ; ' !>59.5D8: 5\*)!M7#30!>0#/ (0!

! . /10!&/, 010!@(-!0, %J, !(0!(!%, 0\*3%@, !&\*!-R/1#(M!+(-<3(<, !)%(@&1&1\*-, %OB!  
(@&1J10&OB!(53+&, 53@(&\*%OB!@3%%1@3+34!M%1&, %0!(-5!+(-<3(<, !+, (%-, %OLD&!10!4#!/\*), !  
&/(&!1&!@(-!" , !(!) () , %!8\*%!510@3001\*-!M1&/1-!&/, !-R/1#(MRM1-!+(-<3(<, !@\*443-1&#!  
(-5!@(-!0)%1-<"\*(%5!1-&\*!%, +(&, 5!)%\*e, @&0!03@/!(0!&/, !5, J, +\*) 4, -&!\*8!0&%(&, <1, 0!&\*!  
41&1<(&, !0, 4 (-&1@!@/(-<, !(-5!%), 0, %J, !@3+&3%(+#!(@@3%(&, !&%(-0+(&1\*-0!\*8!Q, #!&, %40!  
(-5!@\*-@, )&0!D5, (+#!03@/!510@3001\*-0!(-5!03"0, : 3, -&, -5, (J\*3%0!@(-!8, , 5!1-&\*!%!  
4, %<, !M1&/!%, J1&(+1T(&1\*-!, 88\*%&0!1-!&/, !V\*\*5+(-50!(-5!=30Q, <\*!51(+, @&0!(-5!\*&/, %!  
P%, , !51(+, @&0!8\*%!M, !(+!/(&, !4 (-#!0/(% , 5!" , +1, 80!%, +(&, 5!&\*!M\*&%+5J1, M!(-5!  
@\*04 \*+\*<#!D5, (+#!B&/, !@\* -@, )&!\*8!4S4 (M1/Q(4S&\*M1-B!4#%: '-5!'-. 1)!\*\$%'!. #0!  
. #5). 1)%-) \* \*B!@(-!" , !&/, !<3151-<!)%1-@1)+, !1-!"%(1-0&\*%40!(-5!@\*+(" \*%(&1\*-0!

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&/, 010!@(-!)%\*J15, !&/, !14), &30!- , , 5, 5!8\*%!&/, !, J, -&3(+!5, J, +\*) 4, -&!\*8!@3+&3%(+#!  
( ))%\*)%1(&, !-R/1#(MRM1-!, 0\*3%@, 0!03@/!(0!&\*)1@(+!51@&1\*- (%1, 0B!, -@#@+\*) (, 51@!  
51@&1\*- (%1, 0!(-5!&, 4 (&1@!<+\*00(%1, 0!%, +(&, 5!&\*!@\*04 \*+\*<#B@, %, 4 \*-1(+&, %41-\*+\*<#B!  
) +(-&OB!-R/1#(M!, @\*+\*<#!(-5!\*&, %!5\*4 (1-0!\*8!Q-\*M+, 5<, !&/(&!(%, !) \*&, -&1(+#!(&g%10QL!  
W(0, 5!\*-!&/, !4 (e\*%!5188, %, -@, 0!" , &M, , -!>-<+10!/(-5!-R/1#(MRM1-B!1-@+351-<!&/, !  
0&%3@&3%(+!@\*4)+, N1&1, 0!) \*1-&, 5!\*3&1-!&/10!&/, 010B!4 (-#: 3, 0&1\*-0!M1+! (%10, !1-!&/10!  
M\*%QL!7\*%, N(4)+, B!01-@, !-R/1#(MRM1-!10!0\*!J, %%!5\*41-(-&(-5!@\*-010&0!\*8!0\*!8, M!  
(5e, @&1J, OB!/\*M!0/\*3+5!M\*%50!" , !<%\*3), 5o!A\*M!0/\*3+5!&/, !+, N1@\*-!" , !\*%<(-1T, 5!(-5!  
@+(00181, 5o!A\*M!@(-!&/, !4 \*%) /\*&\*<#!", 0&!, J, (+-R/1#(M!@\* -@, )&Oo!D!(4!@\*-815, -&  
&/(&!)%(@&1&1\*-, %0!/(J, !(%, (5#/!(5!&/, 0, !510@3001\*-0!1-8\*%4 (+#!" 3&) , %/()0!1&10!  
&14, !&\*!8\*%4 (+1T, !(10, %1, 0!\*8!%\*3-5&(" +, 0L!. /, !@/(+, -<, 0!\*8!15, -&18#1-<!\*<(-1T(&1\*-0!  
(-5!1-51J153(+0!&\*!@\*-53@&03@/!M\*%Q!(-5!&\*!&%(@Q!5\*M-!83-51-<!, : 31%, 5!@(-!" , !  
\*J, %M/, +41-<L!. /10!10!, 0), @1(+#!8%3, !8\*%!+(-<3(<, !)%(@&1&1\*-, %0!M/\*!(%, !(%, (5#!  
&, (@/1-<B!5, J, +\*)1-<!@3%1@3+34!\*&\*&/, %M10, !, -<(<, 5!1-!@/(4)1\*-1-<  
-R/1#(MRM1-LXZ!D-!(-#!@(0, !/, %, !(%, !0\*4, !Q, #!0&(%&1-<) \*1-&0!!  
GL D4 4, 51(&, #!15, -&18#&/, !Q, #!, +5, %0!(-5!Q-\*M+, 5<, !Q, , ) , %0!&/(&!) , @181@(+#!  
031&!/ , !<\*(+0!(-5!&(0Q0!P%1&, %1(!8\*%!) (%&1@1) (&1\*-!@(-!" , !0) , @181@(+#!5, 01<- , 5!  
8\*%&/10!) 3%) \*0, !0\*&/(&!, +5, %0!(%, !- \*&1-() )%\*)%1(&, #!3&1+1T, 5L!. /, #!(%, !&/, !  
)%14 (%#!%, 0\*3%@, 0!(-5!&/, !1-) 3&!\*8!\*+5, !!, +5, %0!M/\*!(%, !0&1+!(@@, 001"+, !(-5!  
(J(1+(" +, !10!@%3@1(+!21-@, !(++-R/1#(MRM1-!51(+, @&0!(%, !, : 3(+#!J(+3(" +, !(-5!  
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xz!; , 0)1&, !P(-(5(10%, @, -&1\*%4 (+() \*+\*<#!&\*!\$\*\*%1<1-(!6, \*)+, 0!(-5!&/, !5, J(0&(&1-<14) (@&0!, 015, -&1(&  
0@/\*\*&0!/(J, !/(5! \*-!1-51<, -\*30! +(-<3(<, !OB! +(-<3(<, !83-51-<!8%\*4! &/, !<\*J, %-4, -&!10! <%\*00#&  
1-(5, : 3(&, !! . /, ! \*-+#! \*) &\*&-0! 8\*%! \$\*\*%1<1-(! \*%<(-1T(&1\*-0! (%, ! &1-@%, (0, ! +\*""#! , 88\*%&OB! 0 , Q!  
(&, %-(&J, !0\*3%@, 0!(-5!, -<(<, !1-!@\*+(" \*%(&J, !) %\*e, @&0!&/(&4 (N141T, !0@(%@, !5\*+!(%0!!

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14) \*%&(-&!&\*&!/ , !) %\*@, 00B!(+!, -5, (J\*%0!0/\*3+5!" , !4 (5, !&\*!1-@+35, !  
@\* -&%1" 3&\*&0!8%\* 4!(IJ (%1, &#!\*8!51(+, @&0!1-!(0!43@/!(0!&/(&!10!) \*001"+, !!  
El \$-!\*&<(-1T(&1\*-!-, , 50!&\*!" , !15, -&181, 5!&\*!@%, (&, !(!- , &M\*&Q!\*8!) %(@&1&1\*- , %0!  
(-5!&\*!@\*\*%51-(&, !(0, %1, 0!\*&8!&(+Q0!(14, 5!(&!/ , !%, J1&(+1T(&1\*-!\*&8!Q, #!&, %40!  
(-5!&\*!@-, )&0!+10, !&/, !\*- , 0!510@300, 5!1-!&/10!&/, 010L!D-J\*+J, 4, -&0/\*3+5!" , !  
" (0, 5!\*-!" (0, +1- , !@%1&, %1(!53%1-<!&/, !@%3@1(+!, (%#!0&(<, 0!\*&8!&/10!) %\*@, 00L!  
6(%&1@1) (-&0!0/\*3+5!(&+, (0!\*" , !8\*&4 , %!(-5!@3%%, -&!8+3, -&) %(@&1&1\*- , %0!M1&/!  
(-!("1+1&#!&\*!M%1&, !1-!0#+("1@0!(-5!\*&129?!. /, !P%, , !C1&, %(@#!' , &M\*&Q!\*%!  
0141+(%!\*&<(-1T(&1\*-0!(%, !\*)&1\*-0!&\*!@\*-015, %!8\*&!, 4" (%Q1-<!\*-!&/10!) %\*@, 00L!!!  
N\*!, 4-(5\*6!  
\$0!) \*1-&, 5!\*&3&1-!&/, !\*) , -1-<!0&\*&%#B!&/, !) %\*@, 00, 0!(-5!%, 03+&0!0&, 441-<!8\*&4!  
(-!3-5, %&(Q1-<!&\*!1-J, 0&1<(&, !@ , %, 4\*&-1(+(-5!@\*04\*&\*<1@(+!@\*-@, )&0!(0!(!M(#!&\*!  
%, @+(14!(&g%10Q!Q-\*M+, 5<, !M\*&3+5!(&\*M!@3%%, -&!(-5!83&3%, !<, - , %(&1\*-0!\*&8!+(-<3(<, !  
+, (%- , %0!&\*!<(1-!J(+3("+, !1-01</&0!1-&\*!(&4 (<1@(+!-R/1#(M!M\*&%+5!&/(&!0\*&4 , !\*8!30!M , %, !  
("+, !&\*!@(&@/!(&14)0 , !\*8!23@/!) %\*@, 00, 0!M1++" , - , 81&!, J, -!&/\*0 , !\*8!30!M/\*!%!(%, !  
(+%, (5#!("+, !&\*!@\*-J, %0, !1-!-R/1#(MRM1-!!. /10!10!" , @(30, !\*8!&M\*&8(@&\*&0!&/(&!51%, @&#!  
0&, 4!8\*&4!-R/1#(M!) , 5(<\*<#!(-5!&/, !&, (@/1-<0!\*&8!\*&3%!, +5, %0!&/(&!-R/1#(M!+, (%-1-<  
- , J, %! , -50B!(-5!&/(&!-\*\*5#!@(-!(&&(1-!(-!((0\*&3&, !+, J, +!\*&8!-R/1#(MRM1-!8+3, -@#!L  
. /, %, !(% , !4 (-#!M/\*!@(-!+, (5!&/, !M(#!"3&!-R/1#(M!&S)101-\*M1-!%, 41-50!30!&/(&!M , !  
(%, !(+!+, (%- , %0!  
; , 0)1&, !&/, !4 (-#!@\*+\* -1(+!4) (@&0!

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b\*3+, &!a![EFF]\\$-14(&, !(-5!1-(-14(&, !!. /, !P%, , !' , /1-3M!J1, M!D-!\$!W%\*M-!  
[>5\!W6.)%'63!1'\*.%')\*P!O%#, ))(-5\*!#0!6!4#%: \*1#\$!1)3(!6.!W6%\*\*\*, 163!W7\*)7+!  
()!)!YgG\_\\$'', %5, , -! a!! -1J, %01&#!\*8!\$'', %5, , -!!

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b\*3+, &!a!d!b\*b\*3+, &!C![EFGH\!"]6, 1'-5!)6, 1!#.1)%!A)1'-74!, #-, )\$. \*!6-(!  
'-('5)-#7\*\$)(65#5')\*!K(-@\*3J, %!! WP!6%, 00!

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A(%&!=!\$![EFFY\!]=%)!468\*!#0!1)3\$'-5P!K-!'-'-('5)-'\*.%')\*6%, 1!\$%#[], .!I -)3"+10/, 5!  
; \*@&%(+!. /, 010>! -1J, %01&#!\*8!=(-1&\*"(!!

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A(%&!=!\$![EFGF\!D-51<, -\*30!M%\*+5J1, MOB!Q-\*M+, 5<, !(-5!%, 0, (%@/!!. /, !  
5, J, +\*)4, -&!\*8!(-!D-51<, -\*30!, 0, (%@/!)((51<4!!Z#7%-63!#0!9-('5)-#7\*!  
\#', )\*'!-!M#, '63!C%: !G[G\!GgG^I!

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0\*/-0&\*-!W! [G\_Y^!\!R['@468!F)%.65)!!. \*%\*-&!\*? !!=@P+, ++(-5!(-5!2&, M(%&!

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03-Q, %!=!B=(@a, -T1, B!=!B!W%1&&(1-B!0![EFGE\!#=+\$6%6.'&)!\*.%7, .7%)\*!#0!J6\*.!=%)!)  
6-(!J-53'\*1!9, &%1, J, 5!8%\*4!  
/&!)!mMMML, (0&%., !\*%<m)58mP%, , }>-<+10/ )28%3@l3%, )EFGEL)58!

!  
a\*J(@/!=! [EFF^!\!M)6%, 1'-5!0#%!6%%#41)6(\*P!K-!'-)7'%8!'-.#!6\$\$%#6, 1)\*!.#!  
'-('5)-#7\*%)\*)6%, 1!7\*' -5!6!.%'@63!+).1#(#3#58!4'.1!6!-)1'864!  
: '!: )8'1.6+#4'-!4#%3(&)4!I -)3"+10/, 5!L#, .%#63!L'\*\*)%.6.'#-!I -1J, %01&#!\*8!  
K1@&%1(!!!!

!  
C, @+(1%!=! B!d!P(%51- (B!b! [G\_\_\_\_] \!K3@)%.6!)3()%\*!=%)!)(',. '#-6%8!>54\*-&\*-



GEZ

!

C//#\*+53!C!  
XF>L>>CKY!LH!!" 2Y!%2KA>!  
!

! ; 3, !&\*&/, !+, -<&/!\*8!&/10!&/, 010!&/, !8\*++M1-<!&, %40!5\*!-\*&%,, )%, 0, -&!, J, %#!  
-R/1#(MRM1-!&, %4!30, 5!1-!&/10!&/, 010!. /, !&%(-0+(&1\*-0!(%, !(+0\*!-\*&5, &(1+, 5!  
", @)(30, !4 (-#!\*8!&/, 0, !&, %40!/(&1, !(%, (5#!", , -!5, 0@%1", 5!1-!0), @181@!&/, 010!  
@/()&, %0!. /, !<+\*00(%#!10!8\*%, (0#%, 8, %, -@1-/(&1, !(J\*15, 5!&/, !30, !\*8!+1-<310&1@!0&, 4!@+(00@\*5, 0!9, (5, %0!(%, !, -@\*3%(<, 5!  
&\*!83%&/, %!1-J, 0&1<(&, !&/, !%"\*(5, %!4, (-1-<0!\*8!&/, 0, !&, %40!L!!

!!

). )9D!s!&/, !0\*3+!\*&%!0)1%&![0\*4, &14, 0!0), +, 5!(/@(/Q\!  
. )9D5/#\$59D) \* )D!s!-R/1#(M!0#+("1@0![&%(-0+(&, 0!+&, %(+#!(0!0)1%1&!4 (%0, %0\!  
. )9D- ' ; ' 50-\*59.5D) \*!s!0)1%1&!41-5![%, 8, %0!\*&!0)1%1&3(+!@\*4) \*-, -&!\*8!&/, !41-5\!!!  
. )9D-: 5\*!s!0)1%1&3(+1&#!\*%!0)1%1&!M(#0!  
)9D)' 8' -: 5\*!s!(!@\* -@, -&%(&, 5!8\*@301-<!\*8!&/, !41-5!  
)D; ' ) (D59D!s&/, !+(-5!\*-!&/, !\*&/, %!015, ! [5, 0@%1"1-<!+(-50!(@%\*00!&/, !M(#\!  
)D; : ; \*!s04\*0, /\*30, !\*%5#1-<!%(@Q0!30, 5!&\*!04\*0, !4, (&!  
) (D59D; \*!Z!%, 0, %J, !+(-5![+!&, %(+#!(!8(0, !\*%!03"0&1&3&, !+(-5!\$+0\*!0, , !&1)S0QS-!\*%!  
10Q\*-1Q(-\!!  
) (D590) D: ; : ! !"#\$%&!'(\$#\*"+!()!(), !-\$(%"!). \$!/0'0#!01!). \$!\$\*#). 2!()!(), !-\$(%"!01!\*&%!\$\*#). 3  
'(4\$!\*55\$\*#\*%/ \$2!()!(), !-\$(%"!01!\*!, 6 7 7 \$#3'(4\$!\*55\$\*#\*%/ \$8  
) (D5\$!sGl, (%&/j!+(-5j!51%&j!0\*1+j!+(-54 (00j!&, %%1&\*%#j!@\*3-&%#j!@(-!"!, !30, 5!\*&!5, 0@%1", !  
&/, !M\*&+5!(0!(!M/\*+, !E!(!#, (%!  
!9, 5(: \$#!&'(\$#\*"+!%\$)!7\*4\$#8  
) \$5' 89; : 5\*!s!P/%10&1(-!)%(#, %!!  
) /590): D-(5(; \*!Z/(+8g0\*-![30, 5!\*&%!, 8, %!\*&!\*(!=f&10!\*&%(!h/(+8g%"!, , 5i\!  
; 0)\$-9D) \*)D!s!0)1%1&!5, 1&1, 0!\*8!-R/1#(M!@\*04\*+\*<#[(+0\*!0, , !) (MSQ(-Q\!

!

GEH

!

; 0)\$-9D8: 5\*)!S!&/, !0(@%, 5!0&\*%1, 0!(-5!+, <, -50!\*8!@\*04 \*+\*<1@(+!5, 1&1, 0!303(+#!&\*+5!

\* -+#!1-!M1-&, %!

!

GEX

D59.5' ) \*50-: !S!<%, (&!\*&%!0(%!, 5!0)1%1&j!(!" , - , J\*+, -&!+18, !8\*&%@, ∪ (!0)1%1&!&/(&!0(&!

("

!

! GE^

D5(D5\*)9)' ; 0-: 5!\*S!&/, !&, (@/1-<!\*8!\*-, !(-\*&/, %![(!4 \*%, !1-@+301J, !(-5!@\*\*), %(&1J, !8\*%4!\*8!+, (%-1-<!&/(-!0&(-5(%5!V, 0&, %-!), 5(<\*<#\!

D5(08(5\*): !S!\*3%, +5, %!"%\*&/, %![30, 5!&\*!, 8, %!&\*!&/, !/, %\*!(-5!5, 1&#!MRO(/QR@(/Q\!!

D505' ; D590): 5\*; \*!S!/(J, !)1&#!\*!-!30!

D505' ; D5\$5' 50-: 5!\*S!)1&#j!, 4) (&/#j!@\* 4) (001\*!-

D-9D-' !S!<%(-54 \*&/, %!

' ) .5' ) \*50-: !S!(-!, J1!0)1%1&!

' )' )90; : 5(5!S!&\*!/(J, !03), %-(&3%(+) \*M, %!

' )' )90; : 5(50!S!0\*4, \*-, !10!" , 0&\*M, 5!M1&/!0)1%1&3(+) \*M, %!

' )' )90; : 8\*5: !S!(!), %0\*-!" , 0&\*M, 5!M1&/!0)1%1&3(+) \*M, %!

' )' )90; : !D8D: )\$!S!0\*4, &/1-<!14 "3, 5!M1&/!0(@%, 5!0)1%1&!) \*M, %!

' )' 59D: 8(8()D!S!+1&&+, !/(1%#!8(@, 0j!&/, !+1&&+, !), \*)+, !5, 1&1, 0![]+3%(+!\*8!4 (41/QMRORO\!

' )\*; .80-: 5!\*S!41&1<(&1\*-j!)%\*&, @&1\*-j!@\*!-0, %J(&1\*-j!4, %@#![(+0\*!0), ++, 5!(0!

4 (-S@1/&SM1-!\!

' ) \*50-: !S!!(!0)1%1&!" , 1-<!\*%!(!<\*5j!(!0(@%, 5!) \*M, %j!&/, !" (01@!4#0&, %1\*30!: 3(+1&#!1-!&/, !3-1J, %0, !

' )(D): 5(8: 5!\*S!0&%, -<&/!&/, !%\* \*&!4 (0Q!4 (#!" , !%, +(&, 5!&\*!4 (0QM(/!&/, !&, %4!8\*%!

", (%\!!

' )(D8D): 8\*-: )D!S!), \*)+, !\*8!&/, !4 30Q, <!

' )(D: )V). )9D!S!" , (%!0)1%1&!

' )(D: )9!S!" , (%![Q-\*M-!1-!0\*4, !%, <1\*-0!(0!MSQ(#k0!{@%\* \*Q, 5!&(1+!(-5!\*&/, %!

5, 0@%1)&1J, !&, %40\!

' )0-05(; \*!S!0M, (&!+\*5<, !

!

GEY

! ) : 5' U(. 5D8: 5\*!s!(@%#1-<!\*3&j!(!/34 "+, !" , 0, , @/4, -&!&\*&/, !/1</, %!) \*M, %0!(-5!  
0) 1%1&3(+!\*%5, %!  
' ; . 8: 8\*-: !s!\*-, !M/\*!/3-&0!  
' ; ' ) (D; 0)' -: 5\*!s!(0&(&, !\*8!M\*-5, %j!(4(T, 4, -&j!03%)%10, !  
' ; ' ) : 59D)' ; 0-: 5\*g!"%1-<1-<!\*-, !(-\*&/, %!&\*<, &/, %j!3-18#1-<j!e\*1-1-<!8\*%@, 0!  
' ; ' 50-\*59. 5D) \*!s!41-5!(-5!/, (%&B&/\*3</&(-5!8, , +1-<  
' 5(0)9)\$V\$; /5: !s!(Q1-<!"3+!4 \*\*0, j!(!<%(-5!"3+!4 \*\*0, !  
' 5\$-/5' ; 05(-: 5\*!s!&/, !<\*\*5!+8, j!+1J1-<!M, +j!" , 1-<!(+1J, !1-!(!<\*\*5!M(#!  
' 5\$-V: 8. 590-: 5\*!s!&\*<, &/, %- , 00j!<, &&1-<!(+\*-<!1-!(!<\*\*5!M(#!

!



!  
GE\_

-D; : 8' ; : ) (D5\$!Z!4 \*&/, %!, (%&/![+Q, +#!(-!1-&%\*53@, 5!&, %4!(0!510@300, 5!1-!@/() &, %!

&M\*&\!

-(D; /8: !S!(!#\*3-

)/5\$)905D8' -: 5\*!S!(!0&, (5#B!: 31, &B!0+\*MB@(% , 83+!%, 0\*+J, !

)/ (D: ; : 8\*-: ) D!S!), \* )+, !\*8!&/, !)% (1%1, 0![(!&, %4!J (%1\*30!"%(-@/, 0!\*8!P%, , !30, !&\*!

5188, %, -&1(&, !&/, !6+(1-0!P%, , \!!

)/: ; D)\*!S!5%, (4!0)1%1&!/, +), %![01-<3+(%\!

)/: ; D)\*)D!S!0)1%1&!/, +), %0j!5%, (4!/, +), %0j!1-&, %4 , 51(%#!8\*%@, 0!(@@, 001"+, !&\*!

/34 (-0![]+3%(+!\*8!) (MSQ(-\!

)/: ; ' -: 5\*!S!0(@%, 5!0)1%1&!5%, (41-<!!

/; (0) (-: 5\*!S!&/, !0@%()1-

0\*3%@, !

/5' ; 05(-: 5\*!S!+8, !1-!<, - , %(+!"3&!@(-!(+0\*!4, (-!@3+3%, !\*%!(!0) , @181@!M(#!\*8!+J1-

/5\$)DV) (D5\$!S!\*-, !+(-5!\*%!\*-, !, (%&/![30, 5!&\*!5, 0@%1", !\*-, !#, (%!\*%!\*-, !@#@+, !\*8!&/, !

+(-5\!

/5\$5(-: ) D!S!&/, !&/3-5, %, %0j!&/3-5, %"1%50j!&/3-5, %!" , 1-<0!

/5\$5(-: ) D!8!D) 9D50-: ) D!S!&/, !&/3-5, %"1%50!(%, !@(+1-

) D; : !S!8\*%, 0&j!M\*\*5+(-50!

) D; : 8\*-: ) D!S!), \* )+, !\*8!&/, !8\*%, 0&0![(!&, %4!J (%1\*30!"%(-@/, 0!\*8!P%, , !30, !&\*!

5188, %, -&1(&, !8\*%, 0&!\*&%!V\*\*5+(-5!P%, , \!!

(; D80-: 5\*!S!+\*J, j!+\*J, !8\*%!\*-, !(-\*&/, %!

(59.5D8: 5\*)!S!<, - , %(+#!M(#0!\*8!5\*1-

!

GZF

!

(590-(D; 0-: 5\*!s!(!) 3+1-<!&<sup>\*</sup><, &/, %!1-!4 3&3(+!03)) \*%&j!(!0&%,-<&/, -1-<!\*&!\*-, !

(-\*&/, %!

(8/5\*8: 5\*!s!%, 01+1, -@, j!, -53%(-@, j!/(%51-, 00!

(-9D50898: 5\*!s!J1<\*%\*30!/, (%&, 5-, 00j!@\*3%(<, !

!

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C//#\*+53!G!  
 $P?#(05-* *)5&#!1-&, &#!F)*6?)6#!J&).0505-*#&(!\!24+#&(!$

!

C]7)/-4#-\*!&(#)&.9!/&-^#.0!  
 $A#.P!"1'*!]7)*.'#--6'%)!4'33!@!,#+$3.).(!#-3'-)!0#%!1)!36-5765)!$%6,.'.#-)%*!$   
 $G5%#7$aH!6-(!'!=%)206,)?.#?06,)!0#%!)3()%*!G5%#7$bH!$

!

GL | 01-<!P%, , !\*%!>-<+10/B!M/(&(% , !81J , !X\!M\*%50!#\*3!M\*3+5!30, !&\*%, )%, 0, -&  
 $P%, , !M*%+5J1, M!&*!(-*-g!P%, , !0), (0, %0!6+, (0, !&(-0+(&, !&/, 0, !81J, !M*%50!(0$   
 $83+#!(0!#*3!@(-l!$

!

EL | 01-<!P%, , !\*%!>-<+10/B!M/(&(% , !&/, , !Z\!0, #!@\*-\_@, )&0!, 00, -&1(+&\*<(1-1-<!( -  
 $3-5, %0&(-51-<!*8!P%, , !@*04 *+*<#0!6+, (0, !, N)+(1-!&/, 0, !@*-_@, )&0!$

!

ZL |  $\vee /(\&!81J, !X\!J(+3, 0![J1&3, 0\!" , 0&!5, 0@%1", !&% (51&1*-(+!P%, , !@/(%(@&, %!(-5$   
 $/*M!(% , !&/, 0, !J(+3, 0!, N, 4)+181, 50!$

!

HL | 01-<!P%, , !\*%!>-<+10/B!M/(&(% , !0\*4, !@/(%(@&, %10&1@0!&/(&15, 0@%1", !&/, !0)1%1&  
 $(-5!)/1+*0*)/#!*8!&/, !P%, , !+(-<3(<, 0!6+, (0, !, N)+(1-!&/, 0, !@/(%(@&, %10&1@0!$

!

XL |  $\vee /(\&(% , !0*4, !0, #!, +, 4, -&0!&*!3-5, %0&(-51-<!P%, , !+(-<3(<, !0&%3@&3%, o$

!

^L |  $\vee /(\&(% , !&/, , !Z\!P%, , !)%*J, %"0!*&%0(#1-<0!#*3!<%, M!3)!, (%1-<!*%/ (J, !$   
 $" , @*4, !8(41+!(!M1&/o!$

!

YL |  $\vee /(\&(&, %40!%, +(&, 5!&!P%, , !M*%+5J1, M!(-5!@*04 *+*<#!(% , !8(+1-<!*3&!*8!$   
 $@*44 *-!30, 0!6+, (0, !&%(-0+(&, !l$

!

]L |  $\vee /(\&(&, %40!%, +(&, 5!&!P%, , !0)1%1&3(+1&#!(-5!@%, 4 *-1(+104!(% , !8(+1-<!*3&!*8!$   
 $30, 0!6+, (0, !&%(-0+(&, !l$

!

\_L |  $\vee /1@/!0(@%, 5!P%, , !&, %40![18!(-#\!/(J, !P/%10&1(-1&#j!) (-gD-51(-!4 *J, 4, -&0!$   
 $*%!4 *5, %1T(&1*-!1-8+3, -@, 50!6+, (0, !, N)+(1-!l$

!

GFL!; \*!#\*3!/(J, !\*&/, %!@\*44, -&0!\*&%!@\*-\_@, %0!%, +(&, 5!&!P%, , !+(-<3(<, !&, %40!\*&%!

 $@*-_@, )&0!(0!&/, #!%, +(&, !&%3-5, %0&(-51-<!&% (51&1*-(+!P%, , !@3+&3%, o!!$ 

!

!

!