



3K',J"K(9\$!"G

<.E1/E./KG

6>./5-181''((1,/c7><15>4D<>,135D181'''+(1/,,-;3 5,>0-:

6>./5-181''((1,/c7><15>4D<>,135D181'''(1//,-;3 5,>0-:

6/("EG .OU11?PP1P\*1@S1<IP,1K11!1PY"@A1@S1\*1?1J?!S11Y?!\*H1&^1P\*UAI@\*PIU@A1!1\*O11?S11"K1'&1N1!11K"U@A1\*1R11Y!1PI@\*1?1?@1  
U@A1!1?S11A1!@`1@S1Y?!\*HX14"1V!1#1@?11VO?!S1P1N1!11K1U1A11DO11V?P11N?P1!1K1!11A1\*110\*UAI@\*15"@AUVX

DE"%FG

8>?AAA>AP

<D("H9,-"%8"1/#("JG GN"# "K' "%6\*-+"#5 -11.

./'D(/KG ,-. /0123/41532670181532670197/, :/4 ; 0181353 : -2/5197/, :/4 ; 0134 :1> /5-0181,-3<4/4 ;1<-0>  
3K',J"K(%;''\*##"J%L"(M""KG ?@A



DE"%Fg 8>?%AAA>BP <D("H9, - "%8" I /#("JG \$%&)'(')1(F+^  
. / 'D(, /KG , - . /0123/41532670181532670163<a/4 ; 1, >D0181, >D1c181 357, DE%0D3 %\_ /0/D><0  
3K',J"K(%; ' ' \*##"J%L"(M""KG \$%&)'(')1(F+^ ?@A \$%&)'(')1(\$^  
3K("#KD!%8"N#"K'"%6\* - +"#G  
3K',J"K(%9\$I"G <,E1/E,(, /KG  
6>, /5 -181^+((1679, /515>26, 3/4D181^++)10706/5/> 5, >0 - :  
6 / ("EG 31K?VUJ\*H1# I #R1I1I1Y"!\*IA1K1@A1@S1NO?\*01R1J1I]IA1N1I1Y?V`I\*P1K1A1USP11@1?Y?I`1@S1J"\*X1D01Y?V`I\*P1N1I1I1?\*I1I  
A1\*1I!#1@IA1\*"1R1I1@IV"\*1@1Y"UVOIP1NO1VO1?!1I@""\*1I1I1S?JX

DE"%Fg 8>?%AAA>BC <D("H9, - "%8" I /#("JG \$%&)'(')1'(( )  
. / 'D(, /KG , - . /0123/41532670181532670197/, :/4 ; 01813D=, -D/5018106><D0134 :1<-5<-3D/>4181, - . /010D3 :/  
3K',J"K(%; ' ' \*##"J%L"(M""KG \$%&)'(')1'(( ) ?@A \$%&)'(')1'(( )  
3K("#KD!%8"N#"K'"%6\* - +"#G  
3K',J"K(%9\$I"G <,E1/E,(, /KG  
6>, /5 -181^+((15</2/43, 1:323 ; -134 :1D<-06300181 5, >0 - :  
6 / ("EG DN"!1IPIA1@\*P1UA1@\*P1S?1@IA1U@?U\*O"!1\IA1?V1PPI\*"\*01I!"K1K1?1P\*!"S1IV"@\*?1@I1@I?1\*O1I1V!PP6V"U@\*H1K1IJA14"1  
V1!1#1@?1I1VO?1S1PX1<1KI!!IA1\*"1P1UA1@\*1V"@AUV\*Y

DE"%Fg 8>?%AAA>>A <D("H9, - "%8" I /#("JG \$%&B)'(')1&'(C  
. / 'D(, /KG , - . /0123/41532670181532670197/, :/4 ; 0181<-0/ : -45-1=3, , 0181 >74 : -<01=3, , 181 >G'(C  
3K',J"K(%; ' ' \*##"J%L"(M""KG \$%&)'(')1'((( ?@A \$%&)'(')1'+B\$  
3K("#KD!%8"N#"K'"%6\* - +"#G  
3K',J"K(%9\$I"G <,E1/E,(, /KG  
6>, /5 -181^'((1679, /510-</5-181^'B'15=-5a1 ><1 5, >0 - :  
6 / ("EG O\*UA1@\*P1I1Y"!\*IA1V"@V1!@1?R"U\*1?#?J1I1IPIA1@\*P1UA1@\*X13@1@]IP\*IS?\*"1@1?@A1N1JGR11@S1VO1V`11@AIV?\*IA1\*O1I1N?P1@\*1  
V?UPI1K"1I1V"@V1!@X

DE"%Fg 8>?%AAA>>B <D("H9, - "%8" I /#("JG \$%&^)'(')1(B)\$  
. / 'D(, /KG , - . /0123/41532670181532670197/, :/4 ; 01813D=, -D/5018106><D0134 :1<-5<-3D/>4181, - . /010D3 :/  
3K',J"K(%; ' ' \*##"J%L"(M""KG \$%&^)'(')1(B) ?@A \$%&^)'(')1(B)\$  
3K("#KD!%8"N#"K'"%6\* - +"#G  
3K',J"K(%9\$I"G <,E1/E,(, /KG  
6>, /5 -181(^((197< ; , 3<E1 <>21312>9/, -1\_-=/5, - >6-4  
6>, /5 -181(B((130037, D181(B+(13 ; ; <3\_3D- :G>D=-< >6-4  
6 / ("EG 31#?J1I1PUPYIV\*Y"1@\*IA1?@1?1I1P"K\*1SU@1?1?1P\*UA1@\*1NO1@1PO11@\*1V1A1O1#1RU1S?111@S1?1]1O1V1X1OUPYIV\*1K1IA1\*O1I1PV1@1X

DE"%Fg 8>?%AAA>>> <D("H9, - "%8" I /#("JG \$%&^)'(')1&(B^  
. / 'D(, /KG , - . /0123/41532670181532670197/, :/4 ; 0181353 : -2/5197/, :/4 ; 0134 :1> /5-0181353 : -2/5105/-  
3K',J"K(%; ' ' \*##"J%L"(M""KG \$%&^)'(')1&(B) ?@A \$%&^)'(')1&(BB  
3K("#KD!%8"N#"K'"%6\* - +"#G  
3K',J"K(%9\$I"G <,E1/E,(, /KG  
6>, /5 -181^&((10-</5-1>D=-<13 ; -45E181^&&+15/DE 5, >0 - :  
6>, /5 -181^B((12-4D3, 1=-3, D=181^B)(1>D=-<1<- , 3E 5, >0 - :  
6 / ("EG &\$GHI?IG"JA1K1#?J1I1IPIA1@\*P1UA1@\*1IdY1I1I@V1A1?@1?@dlI\*H1?\*"V`11@\*O1I1301RU1A1@S1?@A1N?P1!?!@PY"!\*IA1]1?1  
?#RUJ?@V1\*1\*1\*O1I1O"PY1\*?JX

DE"%Fg 8>?%AAA>>O <D("H9, - "%8" I /#("JG \$%&^)'(')1&(B^  
. / 'D(, /KG , - . /0123/41532670181532670197/, :/4 ; 0181353 : -2/5197/, :/4 ; 0134 :1> /5-0181353 : -2/5105/-  
3K',J"K(%; ' ' \*##"J%L"(M""KG \$%&C)'(')1&+(( ?@A \$%&C)'(')1&+B(  
3K("#KD!%8"N#"K'"%6\* - +"#G  
3K',J"K(%9\$I"G <,E1/E,(, /KG  
6>, /5 -181^+((1679, /515>26, 3/4D181^+C)1:/067D-1L 5, >0 - :  
6 / ("EG 3@1&FGHI?IG"JA1K1#?J1I1V"# #U\*1I!P\*UA1@\*1I1Y"!\*IA1?@1"@GS"1@S1V"@KJIV\*1N1\*O1?1VJ?PP#?1X15?P1I\*1R1I1KI!!IA1\*"1P1UA1@\*1  
V"@AUV\*14"1V1!1#1@?1I1?V\*1]1HX

DE"%Fg 8>?%AAA>>Q <D("H9, - "%8" I /#("JG \$%&^)'(')1&(B^  
. / 'D(, /KG , - . /0123/41532670181532670197/, :/4 ; 01813D=, -D/5018106><D0134 :1<-5<-3D/>4181, - . /010D3 :/  
3K',J"K(%; ' ' \*##"J%L"(M""KG \$%&C)'(')1&C(( ?@A \$%&^)'(')1&)((  
3K("#KD!%8"N#"K'"%6\* - +"#G

3K',J"K(9\$! "G <.E1/E./KG  
6>, /5 -181(C(197<; , 3<E181(C'F15>22 - <5/3,1L4>1 >6-4

6/("EG 3@1"U\*A" " !1P\*"! ?S1POIYYI@SIV"@\*?!@ !1!N?P1I@\*! !A1?@A1@U# !!"UP1!# PIP\*"J!@X

DE"%FG 8>?@AAA>>? <D("H9, - "%8" I /#("JG \$%&^%' (')1&B+)  
. / 'D(/KG , - . /0123/41532670181532670163<a/4 ; 1, >D0181, >D1gg1G1< - 0/ : - 4D0% 357, DE%OD3  
3K',J"K(%; ' \* ##"J%L"(M""KG \$%&B%' (')1'((( ?@A \$%&^%' (')1&B+)  
3K("#KD!%8"N#"K'"%6\* - +"#G

3K',J"K(9\$! "G <.E1/E./KG  
6>, /5 -181(^((197<; , 3<E1 <>21312>9/, -1\_ - =/5, - >6-4

6/("EG 9U!Sj?!Hk! " #1# ""!"! ] IOIWI1!@16?! " @S1, " \*ggX

DE"%FG 8>?@AAA>>R <D("H9, - "%8" I /#("JG \$%&^%' (')1&^B(  
. / 'D(/KG , - . /0123/41532670181532670163<a/4 ; 1, >D0181, >D1gg1G1< - 0/ : - 4D0% 357, DE%OD3  
3K',J"K(%; ' \* ##"J%L"(M""KG \$%&C%' (')1(\$)& ?@A \$%&^%' (')1&^B  
3K("#KD!%8"N#"K'"%6\* - +"#G

3K',J"K(9\$! "G <.E1/E./KG  
6>, /5 -181(^((197<; , 3<E1 <>21312>9/, -1\_ - =/5, - >6-4  
6>, /5 -181(\$((12>D><1\_ - =/5, -1D = - D0181(\$' (13DD - >6-4

6/("EG <IY"! \* !A1RU!Sj?!Hk! " #1# ""!"! ] IOIWI1, " \*ggX

DE"%FG 8>?@AAA>>S <D("H9, - "%8" I /#("JG \$%&F%' (')1(&&  
. / 'D(/KG , - . /0123/41532670181532670197/, : /4 ; 0181< - 0/ : - 45 - 1 = 3, , 01812 >D = - <1D - < - 031 = 3, , 1812D6 + ( '13  
3K',J"K(%; ' \* ##"J%L"(M""KG \$%&F%' (')1((&B ?@A \$%&F%' (')1(&B  
3K("#KD!%8"N#"K'"%6\* - +"#G

3K',J"K(9\$! "G <.E1/E./KG  
6>, /5 -181^F((1 : - 63<D2 - 4D3, 10 - <\_ /5 - 0%35D/\_/D/-  
6>, /5 -181^' ((1679, /510 - <\_ /5 - 181^' B(16 - <0>41 : > .

6/("EG 2 ""O! !1"K! ?1&\$GHI ?!G !JAT!KI # ?J! ! !IPIA! @\*P\*UA! @\*! ! bUIP\* !A! ?PPIP\* ?@V! !N! !O! !O! !A?USO\* ! !NO" !K !J! "K! !O! ! !NO! !JVO?! !X

DE"%FG 8>?@AAA>>C <D("H9, - "%8" I /#("JG \$%&F%' (')1&B)F  
. / 'D(/KG , - . /01> 1532670181< - ; />43, 1532670 - 0181/, , /4 > /0181 > 3a19 <>> a  
3K',J"K(%; ' \* ##"J%L"(M""KG \$%&F%' (')1&B(( ?@A \$%&F%' (')1&B)B  
3K("#KD!%8"N#"K'"%6\* - +"#G

3K',J"K(9\$! "G <.E1/E./KG  
6>, /5 -181(' ((15 < /2 /43, 10 - h73, 130037, D181('C(10 - 5, >0 - :  
6>, /5 -181^&((10 - <\_ /5 - 1>D = - <13 ; - 45E181^&B(13, , 1: 5, >0 - :

6/("EG 3!P\*UA! @\*! !IY"! \* !A! \* " ! ?1K?VUJ\*H1 # ! #R! ! !O\* \* !POI!N?P! ?PP?UJ\* !A!RH! ?!K? #UH1 # ! #R! ! ! ?\*!O! ! !O" # ! X!DO! !V?P! !N?P! ! !K! ! ! !A!  
\* " !O! ! !J"V?J! !U! ! !PAIV" ! @X

DE"%FG 8>?@AAA>>C <D("H9, - "%8" I /#("JG \$%'&' (')1(\$'F  
. / 'D(/KG , - . /0123/41532670181532670197/, : /4 ; 0181< - 0/ : - 45 - 1 = 3, , 0181, 303, , - 1 => 70 - 181, = 6' (^, 374 : <  
3K',J"K(%; ' \* ##"J%L"(M""KG \$%'&' (')1(\$'F ?@A \$%'&' (')1(\$)B  
3K("#KD!%8"N#"K'"%6\* - +"#G

3K',J"K(9\$! "G <.E1/E./KG  
6>, /5 -181^&((10 - <\_ /5 - 1>D = - <13 ; - 45E181^&&+15/DE 5, >0 - :  
6>, /5 -181^+((1679, /515 > 26, 3/4D181^+&C13, 3 < 21L / : 5, >0 - :

6/("EG ! ! ! ? ! ? ! # !V?U! !A!RH! ?!K?U\*H!P# " ! !A! \* !V" ! !X

DE"%FG 8>?@AAA>>OA <D("H9, - "%8" I /#("JG \$%'%' (')1&+ +)  
. / 'D(/KG , - . /0123/41532670181532670197/, : /4 ; 0181< - 0/ : - 45 - 1 = 3, , 01812 >D = - <1D - < - 031 = 3, , 1812D6' (C  
3K',J"K(%; ' \* ##"J%L"(M""KG \$%'%' (')1&+ +) ?@A \$%'%' (')1&+ +F  
3K("#KD!%8"N#"K'"%6\* - +"#G

3K',J"K(9\$! "G <.E1/E./KG  
6>, /5 -181^F((1534439/015 > 4D <>, 135D181&FF(1534 : 5, >0 - :

6/("EG 3! ' (GH! ?!G !JAT!KI # ?J! ! !IPIA! @\*P\*UA! @\*!N?P! ?Y! @SIV? @ ?RIP! @ !O! ! ! !IPIA! @V! !O?J! ! " #X! \_?Y! !A! ! ] !V! !V" @KIPV? \* !AX! 4 "1  
V! ! # ! @ ? !JVO? !S! !PX! 5 ?P! ! !K! ! ! !A! \* " !P\*UA! @\*!V" @AUV\*X



3K("#KD!%8"N#"K'"%6\* - +"#G

3K',J"K(%9\$I"G

<.E1/E.(/KG

6> ,/5 - 181^&((10 - <\_/5 - 1>D = - <13 ; - 45E181^&&+15/DE 5 , >0 - :

6> ,/5 - 181^+((1679 ,/515 > 26 , 3/4D181^+&C13 , 3 < 21L /: 5 , >0 - :

6 / ("EG DO11K!!11?J?!#1N?P1?V"[]?\*1A1?\*: 11 , ?10?J114"!\*O1=?J1AU11\*"1?1K?UJ\*H1P# "` 11A1\*1V\*"!X