

%' +. 4&2:9#:#1,\$D#3/()9\$,(\$5)(D2/#5)(H#1,\$-3/\$1(39,)01,2(3\$6-3-;#6#3,\$9#)D21#9\$, "-,\$&2:.\$
FO:F2:2,9\$(@:2;-2(3\$,(\$6-*#265)(D#6#3,9\$,(\$D#3,2:-,2(3\$9<9,#69C\$901"\$-9\$)#5-2)9\$,(\$&23/(&9\$
-3/V()\$U#-,23;C\$_#3,2:-,2(3\$-3/\$=2)\$Y(3/2,2(323;\$7U_=Y8\$9<9,#69C\$23\$9#&&'()*\$+,-,#\$3(3>50@:21\$
91"((-9\$,"-,\$"-D#)#E0#9,#/\$,"(9#9#)D21#9A\$S()\$6()#23F()6-,2(3\$-@(\$,,"#-\$::(&-@:#9#)D21#9C\$
5:#-9#9##\$E0#9,2(3\$.>N\$(F\$,"#\$B+4.\$.=%+\$S=I\$-\$,"#\$F(:(&23;\$23*\$J\$
_,59JV(#9#A#/A;(DVF2:#9VNONLVOMVS23->.:=%+>S=I>NAO>MALeANLA5/FA\$

+##\$-,-1"/\$,-@:#\$29,23;\$@0/;#,\$#9,26-,#9\$F()\$,"#\$&()*\$03/#)\$,"#\$F2)9,\$)(03/\$(F\$.=%+C\$@<\$:-@())\$
F()1#)\$#;2(3\$7c.=%+\$S-12,2#9\$+#)D21#9\$]#E0#9,#/\$@<\$]#;2(3d8A\$!"#\$/#,-2.9C\$901"\$-9\$,"#\$306@#)\$
(F\$91"((-9\$,\$@#9#)D#/\$-3/\$@0/;#,\$#9,26-,#9\$@<\$)#;2(3F()\$,"#\$9#1(3/\$(03/\$(F\$.=%+-\$)#3(\$,
-D-2:-@:#\$-\$,"29\$,26#C\$-:,"(0;"\$#1,\$,"#\$,(-,\$F03/23;\$,\$@#909#/\$F())#5-2)9\$(F\$U#-,23;C\$_
#3,2:-,2(3\$-3/\$=2)\$Y(3/2,2(323;\$7U=Y8\$9<9,#69\$-3/V()\$&23/(&9\$&2:.\$@#;#)#-,#)A\$

!"#\$9#:#1,#/\$D#3/()798&2:.\$@#)\$#95(392@:#\$F()\$5)(D2/23;\$9#)D21#9C\$()\$1(3,-)1,23;\$&2,"\$5)(D2/#)9C\$
,\$(\$3-@:#\$3(3>50@:21\$91"((-9\$,\$)#/01#,\$"#)\$29*\$\$(F\$D2)09\$,-)3962992(3\$-3/\$265)(D#23/(()-2)\$
E0-2,<(\$231:0/23;\$)#5-2)\$-3/\$05;)-/#9\$,\$6#1"-321-:(\$3-,0)-:\$D#3,2:-,2(3\$9<9,#69\$7#A;A\$
05;)-/#\$F2:.)-2(3\$,(\$Q.]_LMS()\$@#,#)\$-3/\$)#@-:-31#\$F-39\$,(\$6-23,-23\$D#3,2:-,2(3\$)-,#9#)#5-2)\$
&23/(&\$9-9"#9\$(3\$(5#)-@:#\$&23/(&9\$F()\$3-,0)-:\$D#3,2:-,2(3\$)#5-2)\$#2#F\$-2)\$D#3,2:-,()9C\$#,1A8A\$
!"#\$9#:#1,#/\$D#3/()23\$#-1"\$)#;2(3&2:.\$@#)\$#95(392@:#\$F()\$(D#)92;"\$-3/\$1(65:#,2(3\$(F\$-:\$
91(5#/\$-3/\$-:))##/\$05(3&()*\$2/#3,2F2#/\$23\$#-1"\$)#;2(3A\$

!"#\$D#3/()&2:.\$J\$

@#)\$#95(392@:#\$F()\$)#-1"23;\$(\$,,\$,\$-:\$91"((-9\$,"-,\$)#E0#9,#/\$F-12,2#9\$9#)D21#9\$,")(\$;\$
,"#\$.=%+-\$55:21-,2(3\$5)(1#99&2,"23\$,"#;\$-@()\$F()1#)\$#;2(3\$79##95)#-/9"##,\$c.=%+\$
S-12,2#9\$+#)D21#9\$]#E0#9,#/\$@<\$]#;2(3d8\$
-)-3;#;\$-92,\$#D292,\$(\$/#D#:(5\$-\$1:#-)5)(H#1,\$91(5#A\$?:#-9#3(\$,\$,"-,\$9(6#91"((-:\$
@02:/23;9\$6-<\$)#E02)#6()#,\$"-3\$(3#,\$<5#\$(F\$9#)D21#A\$!"29\$6-<231:0/#\$&23/(&\$\$&()*\$C\$
U_=Y&()*\$C\$()\$(,"#)\$D#3,2:-,2(3\$)#5-2)9\$(265)(D#6#3,9A\$Y(6@23#/\$C\$,"29\$&2:.\$1(65)29#
-\$c5)(H#1,A\$d\$
/#D#:(5\$9,26-,#9\$F()\$,"#\$1(9,\$(F\$9#)D21#9\$F()\$#-1"5)(H#1,\$
(@,-23\$-3<\$3#1#99-)<\$5#)62,9\$F()\$1(39,)01,2(3&()*\$5)2()\$(,\$"#9,-,\$/-,##
(@,-23\$-\$6232606\$(F\$,")##\$7M8\$E0(,#9\$F)(6\$:21#39#/\$-3/\$E0-:2F2#/\$90@1(3,-)1,()9\$,(\$
5#)F()6\$,"#\$9#)D21#9\$3##/#/\$,\$1(65:#,\$#-1"5)(H#1,\$2F\$90@1(3,-)1,()9\$-)#/#6#/\$
3#1#99-)<A\$G"#)#-\$5)##`29,23;\$1(3,-)1,0-:\$)#:-,2(39"25\$#`29,9\$@#,&##3\$-\$91"((-:\$-3/\$-\$
90@1(3,-)1,()C\$-\$E0(,\$609,\$@#9(212,#/\$F)(6\$,"-,\$90@1(3,-)1,()A\$=/2,2(3-:;<C\$
5)##`29,23;\$&-)-3,##9\$609,\$@#6-23,-23#/\$7%' +.4\$609,\$-55)(D#,\$"#D#3/()\$,(\$
5#)F()6\$-3<\$)#5-2)\$-3/\$1(39,)01,2(3\$9#)D21#9\$,"#69#:#D#9\$-3/\$,"#\$D#3/()\$609,\$5)(D2/#\$-\$
5)21#SH09,2F21-,2(3F()\$,"#\$&()*\$C\$/#)\$,"-,\$29\$-11#5,-@:#,\$(%'+.4A8\$
9#:#1,\$-\$E0-:2F2#/\$90@1(3,-)1,()72F\$3(\$5#)F()623;\$,"#)\$#5-2)\$-3/\$1(39,)01,2(3&()*\$
,"#69#:#D#98\$,"-,\$1-3\$5)(D2/#\$-:\$,"#\$9#)D21#9\$(0,:23#/\$&2,"23\$,"#\$95#12F2#/\$,26#F)-6#C\$
-3/\$,"-,\$90@62,9\$-\$E0(,\$,\$,"-,\$29\$&2,"23\$LOB\$(F\$,"#:\$(,\$1(9,A\$
5)#5-)#\$-\$&()*\$C\$/#)\$#,-2:23;\$,"#\$306@#)\$\$(F\$"(0)9C\$H(@,\$2:##9C\$-3/\$"(0):<\$)-,9\$
71(3929,#3,\$&2,"\$Y(9,\$?)\$(5(9-:8\$-3,2125-,\$/#F()\$#-1"5)(H#1,\$5#)F()6#/\$@<\$,"#\$D#3/()\$

_#3/()\$609,\$9055:<\$/2;2,-:\$1(52#9\$(F\$5-<6#3,\$)#1()/9\$()\$(,"#)\$/(106#3,9\$-3/\$)#5(),9\$
)#:-,#/\$,(\$-\$5)(H#1,\$()\$5)(H#1,9\$,(\$%' +. 4A\$

?-<6#3,9\$,(\$D#3/())\$&2:\$(3:<\$@#-\$0,"()2g#/\$F()\$5)(H#1,9\$,"-,\$-)#\$1(65:#,#/CS2395#1,#/CS-3/\$FO:<\$
1(662992(3#/\$72F\$-55:21-@:#8CS()\$(,"#)&29#/\$##6#/\$1(65:#,#/\$@<\$%' +. 4A\$

[390]-31#-\$-3/\$X(3/9\$

%(, &2,"9,-3/23;\$-3<\$,#)69CS1(3/2,2(39CS()\$5)(D292(39CS23\$-3<\$(",#)\$&2,23;\$@#,&##3\$,"#\$5-),2#9CS
,"#\$1(39,)01,2(3\$6-3-;#)\$&2:~\$-;)###,(\$FF#1,0-,\$,"#\$3-623;\$(F\$%' +. 4\$-3/\$,"#\$91"((:\$-9\$-3\$
-//2,2(3-:2390)#/\$(\$,"#\$1(39,)01,2(3\$6-3-;#)i9\$1(66#)12-;\$;#3#)-:2-@2:2,<\$-3/\$06@)#::~-\$
-3/V()\$# 1#99\$2-@2:2,<\$5(:212#9A\$F\$,"#\$5(:21<29\$&)2, #3\$(3\$-1:-269>6-/#\$@-929CS,"#\$)#,)(-1,2D#\$
/-, #609,\$5)#1#/#\$, "#\$/-, #\$(F\$,"#\$1(3,)-1,A\$

!"#\$5(:21<3-623;\$%' +. 4\$-3/\$,"#\$91"((:\$-9\$-//2,2(3-:2390)#/9\$9"-:23/#632F<\$%' +. 4\$-3/\$,"#\$
91"((:\$F()\$-3<\$-55:21-@:#\$/\$/01,2@:#9\$-3/\$9#F>2390)#/\$)# #3,2(39A\$7!"29\$/(#9\$3(\$90; ;#9,\$%' +. 4\$
"-9\$-3<\$(&3#)9"25\$(D#)\$,"#\$91"((:\$@02:/23; 9A\$%' +. 4\$29\$,"#\$)#95(392@:#\$+,-,#\$-;#31<3-3/\$&2:~\$@#
1(3,)-1,23;\$&2,"\$,"#\$1(3,)-1,()\$(5)(D2/#9\$)D21#9\$,(\$,"#\$91"((:\$@02:/23; 9A\$

j #3#)-:,\$)#69\$)#;-)/23;2390)-31#J\$

Y(3,)-1,()\$-;)##9\$-3/\$-1*3(&:#/; #9\$,"-,\$@#1-09#,\$"#1(3,)-1,()\$7-3/\$3(\$%' +. 4\$()\$
,"#\$91"((:8\$29\$)#95(392@:#F()\$5#)F()6-31#\$(F\$,"#\$/0,2#9\$-3/\$(@:2;-2(39\$9#,\$F()),"\$23\$,"29\$
1(3,)-1,\$F()\$1(65:#,2(3\$(F\$,"#\$5)(H#1,CS,"#\$1(3,)-1,()CS,")(0;"\$,"#\$09#\$(F\$2390)-31#CS
23,#3/9\$,(\$-::(1-,\$\$-:\$(99#9\$,(\$901"\$2390)-31#\$(5)(, #1,\$2,9#F\$-3/\$%' +. 4\$-3/\$,"#\$
91"((:A\$

Y(3,)-1,()\$29\$)#95(392@:#F()\$#390)23;\$,"-,\$#-1"\$90@1(3,)-1,()\$(@,-239\$-3/\$6-23,-239\$23\$
,"#\$)#E02)#/\$-6(03,\$#-1"\$<5#\$(F\$2390)-31#5(:21<\$)#E02)#/\$@<\$,"29\$1(3,)-1,\$-3/\$,"-,\$
901"\$2390)-31#5(:21<\$5)(D2/#9\$%' +. 4CS,"#\$91"((:CS-3/\$1(39,)01,2(3\$6-3-;#)\$&2,"\$,"#\$
1(D#)-;#)#E02)#/\$@<\$,"29\$1(3,)-1,A\$

!"#\$1(39,)01,2(3\$6-3-;#)\$-1*3(&:#/; #9\$,"-,\$F-2:0)#\$,(\$@,-23\$-3/\$6-23,-23\$901"\$
2390)-31#,\$)(0;"(0,\$,"#\$/0)-2(3\$(F\$,"#\$1(3,)-1,\$1(39,2,0,#9\$-6-,#)2-:\$@)#-1"\$F\$
1(3,)-1,A\$!"#\$1(39,)01,2(3\$6-3-;#)\$29\$,(\$5)(D2/#9\$%' +. 4\$&2,"\$-\$1#),2F21-,#\$(F\$2390)-31#
F()\$,"#\$1(39,)01,2(3\$6-3-;#)\$-3/V()\$(3#\$(6)90@1(3,)-1,()9CS-9\$-55:21-@:#CS
#D2/#3123;\$,"#\$-@D#)#E02)#6#3,9\$"-D#)\$##3\$6#,\$5)2(C)\$,\$,"#\$1(66#31#6#3,\$(F\$
&()*A\$!"#\$F-2:0)#\$(F\$%' +. 4\$,\$(@H#1,\$,\$,"#\$1(3,#3,9\$(F\$,"#\$1#),2F21-,#\$(C)\$,"#\$-@9#31#\$(F\$
9-6#9\$9"-:23(\$@#/\$##6#/\$-\$&-2D#)\$(F\$-3<3/\$-:2);,"9\$"#:/#@<\$%' +. 4A\$

]#E02)#/\$[390)-31#723\$-//2,2(3\$,(\$G()*)9\$Y(65#39-,2(3\$-3/\$%' +\$429-@2:2,<2390)-31#8J\$

6+- - %0# 3IH%2%(. 3IH# . <#3#DIJ2*&(. 20%K!

, " #9, #59\$ < (0\$ & 2: . \$, - * # \$, (\$ 2 / # 3, 2 F < \$, " # \$ 3 # # / 798 \$ - , \$ # - 1 " \$ 91 " ((: \$
- \$ @ - 9 # > : # D # : \$ 9, - F F 2 3 ; \$ 5 : - 3 \$, (\$ # 3 9 0) # \$ - 5 5) (5) 2 - , # \$ 5) (H # 1, \$ 9 0 5 5 () , \$ - 3 / \$ 1 - 5 - 1 2, < \$, (\$ " 2) # \$
- 3 / \$ 5 : - 1 # \$ - / / 2, 2 (3 - : \$ 9, - F F \$ - 9 \$ 3 # # / # / \$
- \$, # 3, -, 2 D # \$ - 3 3 0 - : \$ 1 - : # 3 / -) (F \$ 6 - H () \$ 5 : - 3 3 2 3 ; C \$ / # : 2 D #) - @ : # 9 C \$ - 3 / \$ 6 # # , 2 3 ; \$ / - , # 9 \$
?) (D 2 / # \$ # D 2 / # 3 1 # \$ (F \$) # - / 2 3 # 9 9 \$, (\$ & () * \$ & 2, - 3 D 6 F ; C \$ & 2,

[F\$6 ()#\$, " -3\$(3#5) (5(9-:\$(@, -239\$, "#\$2; "#9, \$-; ;)#; -, #91 ()#C\$, "#\$1 (3,) -1, \$&2: \$@#\$- &-) /# /\$, (\$
," #D#3 /() \$23\$, "-, \$;) (05\$(F\$2; "#9, \$-; ;)#; -, #91 ()#9&" (9#@\$0 /; #, \$1 (65 (3#3, \$)#F: #1, 9\$, "#\$
:(, \$(D#) -:: \$1 (9, A\$

Q23 ()2, <\$-3/\$G (6#3>W&3#/\$X0923#99\$. 3, #)5)29#7QVGX. 8\$?-), 2125-, 2(3\$j (-:9\$?0)90-3, \$, (\$
=), 21: #L a>=\$(F\$, "#\$%#&\$' () *\$+, -, #\$. `#10, 2D#\$R- &J\$

S()\$50)5 (9#9\$(F\$, "29\$5) (10)#6#3, C\$%' +\$. /01-, 2(3\$4#5-), 6#3, \$"#)#@<\$#9, -@:29" #9\$-3\$(D#) -:: \$
; (-:\$(F\$MOb\$(F\$, "#\$, (, -:\$1 (3,) -1, \$-6 (03, \$F())\$QVGX. \$5-), 2125-, 2(3C\$LPb\$F())\$Q23 ()2, <W&3#/\$
X0923#99\$. 3, #)5)29#97cQX. d8\$5-), 2125-, 2(3\$-3/\$LMb\$F())\$G (6#3>W&3#/\$X0923#99\$. 3, #)5)29#9\$
7cGX. d8\$5-), 2125-, 2(3\$@-9#/\$ (3\$, "#\$10))#3, \$-D-2: -@:2, <\$(F\$E0-:2F2#/\$QX. 9\$-3/\$GX. 9A\$=:: \$@2 /#)9\$
609, \$/ (106#3, \$; ((/F-2, "\$#FF (), 9\$, (\$5) (D2/#\$6#-323; FO:\$5-), 2125-, 2(3\$@<\$QGX. 9\$-9\$
90@1 (3,) -1, ()9\$()\$9055:2#)9\$23\$, "#\$5#)F()6-31#\$(F\$, "29\$Y (3,) -1, A\$Q23 ()2, <\$-3/\$G (6#3>W&3#/\$
X0923#99\$. 3, #)5)29#7QVGX. 8\$5-), 2125-, 2(3\$231:0/#9\$-3<\$-3/\$-: \$9#)D21#9C\$6-, #)2-:9\$()\$9055:2#9\$
50)1" -9#/\$F) (6\$%#&\$' () *\$+, -, #1#), 2F2#/\$623 ()2, <\$-3/\$& (6#3> (&3#/\$F2)69A\$B, 2:2g-, 2(3\$(F\$
1#), 2F2#/\$Q23 ()2, <\$-3/\$G (6#3>W&3#/\$F2)69\$&2: \$@#\$-55:2#/\$, (&-)/\$, "#\$; (-:9A\$X2 /#)9\$1-3\$
-1"2#D#\$1 (65:2-31#&2, "\$%' +. 4^9\$Q23 ()2, <\$-3/\$G (6#3>W&3#/\$X0923#99\$. 3, #)5)29#9\$; (-:9\$-9\$
/#91)2@#/\$@#:(&A\$

501#%)%N&3!6+- ' 3#. 20%!=#\$1!L. (\$#0#'. \$#+2!H+. 3*!0L(%8%(%: P!
X2 /#)9\$ 9" (0:/ \$ 90@62, \$ 90@1 (3,) -1, 23; V9055:2#) \$ F()69\$, "-, \$ 6##, \$ ()\$ #`1##/\$%' +. 4^9\$
5-), 2125-, 2(3\$; (-:9\$ F())\$, "29\$ 5) (10)#6#3, A\$ =:: \$ 90@1 (3,) -1, 23; V9055:2#) \$ F()69\$ 609, \$ @#\$
90@62, #/\$&2, "\$, "#\$@2/\$5) (5(9-:A\$[3\$- / /2, 2(3C\$@2 /#)9\$609, \$1 (65: #, #-\$3/\$90@62, \$QVGX. \$L00J\$
B, 2:2g-, 2(3\$?: -3C\$ QVGX. \$LONJ\$% (, 21#\$(F\$[3, #3, \$, (\$?-), 2125-, #-\$3/\$. . W\$ L00J\$+, -FF23; \$?: -3A\$
[39,)01, 2(39\$-3/\$1 (52#9\$(F\$, "#9#F()69\$-)#\$: (1-, #/\$23\$, "#\$+0@62992(3\$4 (106#3, 9A\$=:: \$F2)69\$
0, 2:2g#/\$ 609, \$ @#\$ 1#), 2F2#/\$ &2, "\$, "#\$%' +\$ 42D292(3\$ (F\$ Q23 ()2, <\$-3/\$ G (6#3\$ X0923#99\$
4#D#: (56#3, \$@#F())\$@#; 23323; \$-3<\$&() *\$(3\$, "29\$1 (3,) -1, A\$S())\$- / /2, 2(3-\$23F()6-, 2(3\$-3/\$-
:29, 23; \$(F\$10))#3, <:\$1#), 2F2#/\$QVGX. 9C\$9##\$, "#\$%' +\$42) #1, ()<\$(F\$Y#), 2F2#/\$Q23 ()2, <\$-3/\$G (6#3>
W&3#/\$X0923#99\$. 3, #)5)29#9A\$

!"#\$ 1(3, -1, \$ 5#)9(3\$ (3\$ QVGX. \$ 6-, #)9\$ 29\$ -D-2: -@: #\$, ") (0; " (0, \$, "#\$ -55:21-, 2(3\$ -3/\$
5) (10)#6#3, \$5) (1#99\$, (\$-9929, \$@2 /#)9\$23\$6##, 23; \$, "#\$QVGX. \$; (-:9A\$%' +. 4\$)#9#)D#9\$, "#\$)2; ", \$
, (\$-55) (D#\$, "#\$ - / /2, 2(3\$ ()\$ /#:#, 2(3\$ (F\$90@1 (3,) -1, ()9\$ ()\$9055:2#)9\$, (\$#3-@: # \$@2 /#)9\$, (\$
1 (65: <\$&2, "\$, "#\$ QVGX. \$; (-:9C\$5) (D2/#/\$901"\$ - / /2, 2(3\$ ()\$ /#:#, 2(3\$ / (#9\$3 (, \$265-1, \$, "#\$
, #1"321-:5) (5(9-: \$-3/V() \$231)#-9#\$, "#\$, (, -:\$1 (9, \$(F\$, "#\$@2/\$5) (5(9-:A\$

Q%R&%*\$!. !L. (\$# 3!S. #)%(!+8!L. (\$#0#'. \$#+2!H+. 3*!
[3\$()/#)\$(, (\$)#E0#9, \$-\$5-), 2-: \$&-2D#)\$(F\$, "#\$5-), 2125-, 2(3\$; (-:9\$F())\$, "29\$5) (10)#6#3, C\$X2 /#)9\$
609, \$5) (D2/#\$ / (106#3, -, 2(3\$(F\$, "#2)\$; ((/F-2, "\$#FF ())\$, 9\$, (\$@, -23\$, "#\$09#\$(F\$1#), 2F2#/\$QVGX. \$
#3, #)5)29#9\$-: (3; \$&2, "\$, "#2)\$@2/\$5) (5(9-:F()69A\$! "#\$90@1 (3,) -1, 23; 6 (-: (3; 33#J-! "#\$)\$(%: P!

