

"#\$%&()'!\*, !-)\$. /)01\$2(34\$5!  
" (6')'3\$!\*+, !"01/(17\*+30!'+"#)'+8\$!&\$\$'\*!

9'3)(1'\*!: (#; +0)\$(<!  
=0+'(1!>20\$\$!  
? \*%!@ABCDE!

F 20+!)20!\*66G/07\*60!\*+\*132(GH#+4!|1(#H!"#\$\$%&'()!) \*|0, !\*!H1()0\$)!H01/(17\*+30!  
\*)!)20!J\*)20, 1\*6!(/J21'\$!)20!=\*<'(1K )20!\$H'1')#\*6!20\*1)!(!?(\$3(LK '+!MON1#\*1%!/BCDBA  
L2'32!60, !) (!)20!\*110\$)\$!(/!)2100!707N01\$!)20%!H1(<(40, !\*!6((, !(/!H#N6'3!10\$H(+\$0\$!)2\*)!  
0#'\*346%\$H'660, !(  
01!)20!N(1, 01\$!(/!)20!&#\$'\*+!MO, 01\*)'(+!>20!\$'1+'/3\*+30!(/!)20'1!  
0H01/(17\*+30!3\*+!NO!I \*#|0, !N%)20!)10+!)2!\*+, !, '<01\$')%!(/!)20\$0!10\$H(+\$0\$!(/\$#HH(1)  
\*+, !3(+, 07+\*)'(+!\*6'40!)2\*)!L010!<('30, !\$(!<(3\*66%!'+)20!7 (+)2\$!60\*, '+!#H!)(!\*+, !  
/((6(L'+!)20!)1'\*6!(/S04\*)01'+\*!=\*7#)\$0<'32AT\*, 0;2, \*!>(6(4(++'4(<\*!\*+, !?\*1'\*!  
. 6%(42'+\*!U\*!0\$!ECA!BEA!\*+, !BV!10\$H03)'<06%WP!>20!, '\$3(#1\$0!\$#11(#+, '+!)20!|1(#H8\$!  
H01/(17\*+30!7H6/'0, !N%)20!H\*\$\$(+\$!\$#11(#+, '+!)20!77'+0+)!100603)'(+!(/!96\*, '7'1!  
"#)'+!)(!\*!)2'1, !)017!\*\$!H10\$', 0+!) (+!?'\*%!XABCDBA10<0\*6\$!7\*+!07011'+!!1')\$!'&#\$'\*8\$!  
\$(3'\*6!\*+, !H(6')'3\*6!/\*N1'3P!. )!\*!)'70!L20+!&#\$'\*!/\*30\$!'&310\*\$'+!6%!32\*660+!'+!0#0\$)'(+\$!  
\*N(#)!\$!+\*)'(+\*6!', 0+!)%60\*, 01\$2'H!\*+, !1(60!'+!)20!H(\$)G=(<'0)!L\_(16, !)20!\*3)'(+!110\$)  
\*+, !\$#N\$00#0+!)1'\*6!(/!"#\$\$%&'()!\$01<0\$!\*\$!\*&OH'30+)01!/(1!\*!, '<01\$0!\*11\*%!(/!+\*)'(+\*6!\*+, !  
+')01+\*)'(+\*6!0#\*40\$P!  
  
>20!, 0|100!)(!L2'32!H(6')'3'\*+\$!60\*, 01\$!(/!3'<'6!\$(3'0)%!/((6(L01!(/!)20!&#\$'\*+!  
Y1)2(, (Z!/\*')2!\*+, !'+/6#0+)'\*6!'/!#10\$!(/!)20!\*1)!\$30+0!'+!&#\$'\*!1\*6'0, !\*1(#+, !)20!'"#\$\$%&'()!1'\*6!\$H0\*4\$!)(!)20!H\*1)'3#6\*16%/1\*#12)!)'7'+!(!)20!H01/(17\*+30!\*+, !')\$!'7H6'3\*)'(+\$!  
'+! \*#!'+!&#\$'\*8\$!07011'+!\$!(3'\*6!\*+, !H(6')'3\*6!)10+, \$P!>20!, '\$H1(H(1)'(+\*)06%!2'12!  
, 0|100!(/!70, '\*!\*))0+)'(+!|<0+!)(!)20!3\*\$0!N%)20!F0\$)!2(L0<01!2\*\$!\*!, 0, !N()2!)07H(1\*6!  
\*+, !\$H\*)'\*6!, '70+\$'(+\$!)(!)20!3\*\$0!0<(4'+!|J(6, !F\*1!120)(1'3!N()2!'+!&#\$'\*!\*+, !\*N1(\*, P!  
>0+\$'(+!2\*<0!/6\*10, !N0)L00+!"#)'+!\*+, !'+!)01+\*)'(+\*6!H(6')'3\*6!60\*, 01\$!(<01!0#0\$)'(+\$!  
\$#11(#+, '+!)20!)1\*+\$H\*10+3%!\*+, !'7H\*1)'\*6')%!(/!)20!&#\$'\*8\$![#'\$30!\$%)07P!"(6')'3\*6!  
\*3)'<')\$!7#'\$3'\*+\$!\*+, !3060N1')'0\$!2\*<0!H#N6'3\*66%![('+0, !)(10)201!'+!+)01+\*)'(+\*6!

$\$(6, *1')\%!L')2!"\#$$%&('()!'+!, 0/0+$0!(/!/100, (7$!(/!H(6')'3*6!*+, !*1)'$)'3!OZH10$$'(+P!!\#)!)!$   
 $'$!+()!0+(#|2!)(!)^40!"\#$$%&('()8$!H01/(17^+30!*)!/*30!<*6#0!!)10*)'+!!)!$'7H6%!*$!*+!$   
 $0ZH6(1*)'(+!(/!100, (7!(/!$H0032P!!>20!!1(#H!!*1!7(10!(/!*!3(+30H)#*6!*+, !H(6')'3*6!*1!)$   
 $3(6603)'<0!1*)201!)2^+!*!1(34!!1(#H!!(H01*)0$!(+!*!)1'3)!N*$'$!(/!'6601*6')%)!0*32!707N01!$   
 $3(+$3'(\#$6%$*31'/'30$!H01$(*6!$*/0)%!/(!)20!$*40!(/!)1^+$7'))'+!!)20!!1(#H8$!H(6')'3*6!$   
 $70$$*!0!'+!0<01%#+$*+3)'(+0, !, 07(+$)1*)'(+P!!!$

$>2'$(!)20$$#!#, 01)^40$!)(!OZH($0!*, !32*660+10!$$#7H)'(+$!$#32!*$!+)01+*)'(+*6!$   
 $*+, !&$$'*+!7'$10*, '+!$!(/!"\#$$%&('()8$!', 0(6(1%!*+, !!(*6$P!!?'$3(+30H)'(+$!*+, !2%H01N(60!$   
 $2^<0!, (7'+*)0, !)20!, '$3(#1$0!)2*)!/(66(L_0, !)20!H01/(17^+30P!!. !N*6*+30, !<0L_!(/!)20!"\#$$%!$   
 $&('()!H20+(70+(+!100#10$!3#6#1*6!2'$)(1'3*6!*+, !H(6')'3*6!3(+0Z)#*6'; *)'(+P!!Y<01!)20!$   
 $3(#1$0!(/!+'+0!$03)'(+$!)2'$!)20$$!L'66!0Z*7'+0!"\#$$%&('()8$!H1(0$)!*!*+$!)!20!N*34, 1(H!$   
 $(/!*!6*1!0!$H03)1#7!(/!10*3)'(+$/1(7!H1(7'+0+)!+, '<, #*6$!$(3'*6!7(<070+)$!*+, !$   
 $106'1'(#$!11(#H$P!!>2'$!)#, %!L'66!H*1$0!)21(#|2!)20!(/)0+!#+3(7/(1)*N60!*, !20*)0, !$   
 $, '$3(#1$0!$#11(#+, '+!)20!!1(#H8$!J21'$!)20!=*<'(1!H01/(17^+30!*, !)20!10$#6)*+)!)1'*6!$   
 $*+, !, 07(+$)1*)0!2(L_)20!"\#$$%&('()!H20+(70+(+!3)0, !*$!*3*)*6%$!)!/(1!$01'(#$!$   
 $, '$3$$'(+$!*N(#!)20!/#)10!(/H($)G=(<0)!&$$'*P!!!$

$=03)'(+!-!H1(<, 0$!*2'$)(1%!(/!"\#$$%&('()8$!*3)'<')'0$!H1'(1!)(!)20'1!J21'$!)!20!=*<'(1!$   
 $H01/(17^+30P!!-)!H($)'(+$!"\#$$%&('()$!20'1!70)2(, $!*+, !)20'1!', 0(6(1'0$!L')2'+!*!N1(*, 01!$   
 $3(+0Z)!(/!7#$'3*6!H(6')'3*6!*+, !*1)'$)'3!'+/6#0+30$!'+36#, '+!)20!+()1'(#$!11(#H!9('+'P!!$   
 $"*1)!(/!)2'$!103(+$)1#3)'(+!L'66!106%!(+!+')01<0L_!*+, !H#N6'3!$*)070+)$!I'<0+!*/01!)20!$   
 $*110$)$P!!!$

=03)'(+!-!)10\*)\$!" #\$%%!&'()8\$!\*3)#\*6!H01/(17\*+30!\*\$!L\_066!\*\$!)20!<'1\*6!7#\$'3!<', 0(!(/!  
 )20!H01/(17\*+30!)2\*)!7\*, 0!)20!7!L\_(16, 6/\*7(#\$!\*\$!)0Z)\$!30+)1\*6!)(!)20!#+, 01\$)\*+, '+!!(/!  
 )20'1!/\*70!\*+, !)20'1!3(+1(<01\$%P!!-+!)2'\$!\$03)'(+!-!(//01!\*!36(\$0!10\*, '+!!(/!)20!7#\$'3!<', 0(\$\$!  
 %1'3\$!\*+, !\*!, '\$3#\$\$'(+!(/!)20!H(6')'3\*6!0<0+)\$!)2\*)!H1(7H)0, !10\*3)'(+!!\*\$!L\_066!\*\$!\*+!  
 +'01H10)\*'(+!(/!)20!I1(#H8\$!#\$0!(/!'7\*10\$!\$H03/'3\*66%!)2(\$0!(/!)20!/07\*60!N(, %!\*+, !)20!  
 3\*)20, 1\*6!)\$06/P!!!

=03)'(+!-!H1(<, 0\$!\*!10\*, '+!!(/!)20!#"#\$%&'()!)1'\*6!'+!?'(\$3(L\_8\$: 2\*7(<+'320\$4%!  
 ^'\$)1'3)!J(#1)P!!-)!\$31#)'+'; 0\$!)20!3(#1)1((7!)\*)3)'3\$!\*+, !)20![(#1+'6'\$7!\$#11(#+, '+!!)20!  
 3\*\$0M'+!L\_2'32!S04\*)01'+\*!=\*7#)\$0<'32MT\*, 0; 2, \*!>(6(4(++'4(<!\*+, !?\*1'\*!. 6%(42'+\*!  
 L\_010!32\*1!0, !L')2!Q2((6'1\*+'\$7M3(77'))0, !N%!\*+!(1I\*+'; 0, !!1(#H!(/!H01\$(+\$!N%!H1'(1!  
 3(+\$H'1\*3%!7()<\*)0, !N%!106'I'(#\$!2\*)10, PRD!>2'\$!\$03)'(+!07H2\*\$'; 0\$!)20!106'I'(#\$!N\*\$'\$!/(1!  
 )20!H1(\$03#)'(+!\*+, !0#0\$)'(+\$!)20!0)2'3\*6!3(+, #3)!(/!)20!H\*1)'0\$!'<(6<0, P!!!  
 =03)'(+!-9!\*+\*6%; 0\$!)20!7H\*3)!(/!'#\$%&'()!)2'+!)20!&#\$'\*+!MO, 01\*)'(+P!!-!, 1\*L!\*!  
 , '\$)'+3)'(+!NO)L\_00+!(//3'\*6!10\$H(+\$0\$M'+36#, '+!!)2(\$0!N%)20!"#)'+!\*\_, 7+'\$)1\*)'(+!\*+, !  
 10H10\$0+)\*'<0\$!(/!)20!&#\$'\*+!Y1)2(, (Z!J2#132M\*+, !H(H#6\*1!10\$H(+\$0\$!0701I'+!!/1(7!  
 \$#32!I1(#H\$!\*!\$!&#\$'\*+!Y1)2(, (Z!N06'0<01\$MM#H\$!

=03)'(+!9!\$H03'/'3\*66%, '\$3#\$\$0\$!)20!3(7H6'3\*)0, !\*+, !(/)0+!7'\$#+, 01\$)((, !  
106\*)'(+\$2'H!(/!"#\$\$%&'()!)(!&\$\$'\*8\$!#1N\*+!(HH('\$)'(+!7(<070+)P!!w010!-!\*))07H)!)(!  
' , 0+)'%!)20!H1([03)0, !!(\*6\$!(/!)20!(HH('\$)'(+8\$!7(\$)!H1(7'+0+)!60\*, 01\$!\*+, !)20'1!\*))')#, 0\$!  
)(\$L\*1, \$!"#\$\$%&'()8\$!N1\*+, !(/!H1()0\$)!!L2'60!0<\*6#\*)'+!!)20!, 01100\$!(/'+36#\$'<')%!\*+, !  
0Z36#\$'<')%, 07(+\$)1\*)0, !N%)20!\*+'G"#+!1\*66'0\$!(/!)20!H\*\$!)!2100!0\*1\$P!!>2'\$!\$03)'(+!\*6\$(!  
)#320\$!(+!)20!<\*'N'6')%!(/!)20!(HH('\$)'(+!)(!\*/#03)!32\*+!0!!(1!0<0+\$'7H6%)(!107\*'!+!  
1060<\*+)P!

!=03)'(+!9-\$31#)'+'0\$!10\*3)'(+\$!)(!"#\$\$%&'()!/1(7!N0%(+, !&\$\$'\*8\$!N(1, 01\$!!  
0\$H03'\*66%'!+)20!x+'0, !=)\*)0\$!\*+, !F0\$)01+!y#1(H0!!L2010!)20!!1(#H8\$!7(\$)!<(3\*6!  
\$#HH(1)01\$!\*10!N\*\$0, P!!-!H('+)!(#)!)20!H01\$'\$)0+30!(/!J(6, !F \*1!120)(1'3!!

└'66\$'+4!'+)(!(N\$3#1')%!!(1!/+,!3(+)+#\*)'(+)20!'+310\*\$'+16%!1\*, '3\*6!\*+, +'01+\*)'(+\*6!  
\*3)'(+\$/(!1(#H\$!\$#32!\*\$!M070+P!

?%!10\$0\*132!/(1!)2'\$!)20\$\$!N01 \*+!'+!=0H)07N01!(/!BCDB!\*+, !2\*\$!I (+0!(+!)(!/66(L!  
)20!70, '\*!\*+, !31')'3\*6!, '\$3(#1\$0!10I \*1, '+I!"#\$%&'()!\*+, !)20!&\$\$'\*+!H(6')'3\*6!36'7\*)OP!!  
^#0!)(!)20!1030+)+\*)#10!(/!)20\$0!, 0<06(H70+)\$!!<01%/0L!3\*, 07'3!\$(#130\$!70+)'(+!"#\$%!  
&'()!\*)!\*66P!!>2'\$!2\*\$!+030\$\$')\*)0, !)2\*)!)20!7\*[((1')%!(/!7%!\$(#130\$!3(70!/1(7!(+6'+0!  
H01'(, '3\*6\$!!N()2!y+16'\$2G!\*, !&\$\$'\*+G!6\*+I#\*!0P!!=(70!\$2(1)!\*1)'360\$!\*+, !H(\$)\$!(1'I'+\*)0!  
(+6'+0!)(+!N6(I\$!(1!M\*3ON((4!H\*!0\$K\*+, !

"#)'+'\$!++(#+3070+)!(/2'\$!'0+)'+(\$!)(!1#+!/1!\*!)2'1, !H10\$', 0+)'\*6!)017B>All\*\$\*)070+)!  
\*33(7H\*+'0, !N%!\*!<(3\*6!10\*3)'(+!/1(7!<\*1'(#\$!(HH(\$))'+!7(<070+)\$!)2\*)!I\*'0, !\*+!  
0+(17(#\$!\*7(#+)!(/'0+)01+\*)'+\*6!\*))0+)'(+P!^#1'+!!)20!0+\$#'+'1!3#6)#10!L\*1All#\$%\$!&()8\$!  
#+3(7H1(7'\$'+!!)\*40!(+!!0+, 01!106'1'(+!\*+, !H(6')'3\$!L\*\$!N()2!, 07(+';0, !\*+, !', (6';0, !N%  
)20!'+'310\*\$'+!6%!H(6\*1';0, !3\*7H\$!\*!)20!N\*+, !N03\*70!\*!

! >2'\$!32\*1\*3)01'\$)'3!\$0)\$!" #\$\$%!&' ()!\*H\*1)!/1( 7!)20!/07+'\$)GH#+4!N\*+, \$!)2\*)!\$01<0!\*\$!  
 )20'1!7#\$'3\*6!'+\$H'1\*)'(+!!+\*706%)2(\$0!'+'<(6<0, !'+!)20!&'()! | 1116!7(<070+)!(/)20!0\*16%!  
 }C\$P!!>20\$0!F0\$)!3(\*\$)!.. 701'3\*+!N\*+, \$M'+36#, '+!!=60\*)01G: '++0%!!\4'+'!: '66!!\1\*)7(N'60!!  
 w#!!%!\0\*1!!\*+, !w0\*<0+\$!)(!\0)\$%!!1(\$0!#H!#+, 01!\*!N\*++01!(/!07\*60!07H(L0170+)!\*+, !  
 1\*10!'!+!)20!7', \$!)(!/\*!!0+01\*6!6\*!!+!)20!L\_(70+8\$!1'12)\$!7(<070+)!!"1(<(40, !N%)20!I\*'+\$!  
 (/!)20!&'12)!(!z'/0!3\*7H\*'!+!(1I\*+';0, !N%)20!J21'\$)'\*+!J(\*6')'(+!!\*3)'<'\$)!L\_(70+!'!+)20!  
 " \*3'/'3!T(1)20\*\$)!N0I \*+!#\$'+!!7#\$'3!/0\$)'<\*6\$!\*+, !\$06/GH#N6'\$20, !/

! -+!\*+ ()201!\$)\*)070+)!N%!" #\$\$\_%&' ()!!20!, '<01\$')%!( /!'#/0+30!'\$#/1)201!10<0\*60, !!  
)%'+!!)20!N\*+, !) (!N ()2!, (70\$)'3!\*+, +'01+\*)'(+\*6!)1\*, ')'(+\$5!!

-)8\$!H(\$\$'N60!)(!/'+, !/0\*)#10\$!(/!D} }C\$!. 3)'(+'\$7!'+! (#1!H01/(17\*+30\$!!L2'60!

, 0 7 (+\$)1\*)'(+\$!\*+, !\*1)!H'030\$P!!.. 7 (+!)20! 7 (\$)!/\* 7 (#\$!\*10!)20!0" \*6\*30!&0<(6#)'(+MR!'++!  
L2'32!, 0 7 (+\$)1\*)(1\$!70)2(, '3\*66%!(<01)#1+0, !\$0<01\*6!H(6'30!<02'360\$!\*\$!\*!)\*)0 70+!)  
\*| \*'+\$)!H(6'30!3(11#H)'(+!'!=)P!"0)01\$N#1|!A\*+, !Q. !^'34!w06, !"1'\$(+01!\*)!)20!M=\MR!)20!  
7 \*\$\$<0!H2\*66#\$!H\*'+)0, !(+)(!\*!, 1\*L N1', 10!L2'32!L20+!1\*'\$0, !H('+)0, !)20!0103)'(+!\*)!)20!  
M=\!20\*, 0#\*1)01\$P!!\#)!'+!\$H')0!(/!)20!6\*))01!H'030!1030'<+'!)20!BCDC!-++(<\*)'(+!H1'; 0!/1(7!  
)20!T\*)'(+\*6!J0+)01!/(1!J(+))0 7 H(1\*1%!. 1)\$!'!+!?)(\$3(L!9('+'8\$!1030H)'(+!'+!)20!H#N6'3!  
\$H2010!2\*\$!N00+!/\*1/1(7!L \*17P!!=0<01\*6!(/!)20'1!\$)#+)\$.!2\*<0!'+<(6<0, !)20!\$2(34'+!#!\$0!(/!

>20!N\*+, 8\$!+\* 70!32\*660+10\$!)20!+01\*)'<0!(1!, '1)%!3(++)'(+\$\$#11(#+, '+1!/07\*60!  
10+')\*6'\*!N%!\*))07H)'+1!)(!1036\*'7!)20!L\_(1, !QH#\$\$%RM!\*H1\*3)'30!L')2!1((()\$!'!+)20!&'()!|1116!  
7(<070+)P!!.. 33(1, '+1!)(![(#1+\*6'\$)!Z'+, \$\*%!†(6\*, ;5!

M1(7!\*,, '+1!\*!)1'+1!(/!1(L\_6'+1!3(+\$(+\*+\$!)(!)20!HO')20)!064%)(!  
3(+/1(+)'+1!)20!3(++)'(+\$(/!)20!L\_(1, !6!: ..(1'())!1116\$!H'(+0010, !\*/10+;%!  
(/!6'+1#'\$)'3!\$\*6<\*10![(\$!)2\*]!107\*'+\$!3(+1(<01'\*6!)(',\*%P!!Z0\*, '+1!)2'\$!  
32\*1!0!L\_\*!)20!N\*+, !\4'+!: '66!L2(\$0!/1(+)\_L(7\*+!: \*)2600+!W\*++\*!  
/\*7(#\$6%#\$0, !)(!H01/(17!L')2!)20!L\_(1, !MWXI(\$31\*L60, !\*31(\$\$!201!)(\$7\*32!  
\*+, !L2'32!321'\$)0+0, !)\$!D} }E!, ON#)!\*6N#7!L')2!\*!H1(<(3\*)'<0!')605!N: 66Y(  
Q-6//HK?>((

>2#\$A!"#\$\$%&()!2\*\$!)^40+!\*3(+/1(+)\*'(+\*6\$!)^+30!1'12)!(/!)20!N\*)!!/(13'+1!L2(0<01!  
0+3(#+)01\$!)207!)(!'770, '\*!)06%!0+1\*10!L')2!)20!\$07\*+'3\$!(/!)20'1!+\*70!\*+, !0<\*6#\*)0!  
20'1!(L\_+!H103(+30H)'(+\$\$#11(#+, '+1!)P!!>2'\$!0<\*6#\*)'(+!(33#1\$!0<01%)'70!\*+!  
(HH(1#+'%)(!3(77#+3\*)0!)20!N\*+, 8\$!+\*70!\*1'\$0\$!7\*4'+1!)20!\$H0\*401!(1!L1')01!\*H\*1)!(/!  
\*+!(+1('+1!, '\*6(!\*N(#)!20!\$)\*)#\$!\*+, !70\*+'+1!(/!)20!L\_(1, !QH#\$\$%PR!!>20!11(#H8\$!\*,(H)'(+!  
(/!\*+!y+16'\$2G6\*+1#\*10!+\*70!\*6\$(!'7H6'0\$!\*+!y+16'\$2G6\*+1#\*10!7\*140)!1!\*#, '0+30!/(1!)20'1!  
70\$\$\*10P!!>2'\$!, 0+)/'3\*)'(+!L')2!\*!L0\$)01+!\*#, '0+30!\$/1\*#12)!L')2!'7H6'3\*)'(+!  
101\*1, '+1!L0\$)01+!<\*6#0!\$\$)07\$!\*+, !3(+30H)\$!(/7(1\*6')%P!!J(+\$01<\*)<0!&\$\$'\*+!H1'+!)  
70, '\*!)2\*)!3(+, 07+!)20!#\$\*10!(/!)20!L\_(1, !\*10!0#34!)(!30+\$!(1!)!1(7!)20'1!3(<01\*10!(/!)20!  
11(#H!<!\*!)20!#\$\*10!(/!)1\*1\*L6'Z0\$P!!Y)201\$!\$'7H6%H1'+!)20!L\_(1, !'+!J%1'66'3!)(!3(+<0%)20!  
H2(+0)'3!)017MN#)!\*<(',!\*34+(L60, !'+1!)20!y+16'\$2!70\*+'+1P!!-+!0\*32!3\*\$0!)20!H1'+!)70, '\*!  
0+, (L\$!)20!+\*70!0"#\$%&()R!L')2!\*+!\*#1\*(!/(\$30+%)%!\*+, !/(10'1++0\$\$!)2\*)!301)\*'+6%)20!  
\*#, '0+308\$!1030H)'(+!(/!)20!N\*+, P!

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DC!Z'+, \$\*%!†(6\*, ;MQN: 66Y(-\$!W\*-'+1!\*?) (70+)PR!M98.H3(. #!P!B•ABCDB!  
2))H5{ {L\_L\_L\_P\$6\*}OP3(7{\*1}'360\${, (#N60•Z{, (#N60Z{BCDB{C•{•H#\$\$%\*\$•2\*'<+1\*•7(70+)\*H#\$\$%\*1'()\*)1'\*6•H#  
)\$•20•H•L\_(1, •N\*34•+•)20•\$H(6'12)•P2)76€', , \$7•L•N#))(+•32#•+4%

--!

. /)01!)20'1!MON1#\*1%!BD!!BCDB!H01/(17\*+30!'+!)20!J\*)20, 1\*6!(/!J21'\$!)20!=\*<'(1!  
" #\$\$%!&'()!L\_(#6, !0+)01!'+)(!\*!H01'(, !(/!L\_(16, L', 0!/\*70!31'7'+\*6!)1'\*6!\*+, !/(1!)L\_(!(/!)20!  
, 0)\*'+0, !707N01\$!3(+<'3')(+!\*+, !H1'\$(+!!.. 7(+!)20!/'<0!N\*+, !707N01\$!L2(H\*1)'3'H\*)0, !  
'+!)20!H01/(17\*+30!(+6%!T\*, 0; 2, \*!>(6(4(++'4(<\*!S04\*)01'+\*!=\*7#)\$0<'32!\*+, !?\*1'\*!  
. 6%(42'+\*!L\_(#6, !NO!\*110\$)0, !)20!107\*'+'+!)L\_(!707N01\$!2\*<'+!/60, !)20!3(#+)1%!)(!  
H1()03!)20'1!', 0+))'0\$/!1(7!)20!H(6'30!  
\0/(10!)20!0Z)0+\$'<0!60!\*6!\*+, !H(6')'3\*6!3(+\$00#0+30!(/!)2'\$!3(+301!)(!NO!  
#+, 01\$)((, !')!'\$!+030\$\$\*1%)(!/'1\$)!3(+!)0Z)#\*6'; 0!N()2!)20!3(+0+!)(!)20!H01/(17\*+30!\*+, !  
)20!6(3\*)'(+!!>20!/'<0!L\_(70+!!/)01!0+)01'+!)20!3\*)20, 1\*6!H1(300, 0, !)(!, (+!)20'1!  
N\*6\*36\*<\*\$!)40!)20'1!H6\*30\$!(+!)20!\$(60\*\$!\*+, !4+00!L2'60!31(\$\$'+!)

Y#)RP!!-+!T(<07N01!BCDB!!I -H(U.98L.G<8\$!L0N\$')O!H#N6'\$20, !L2\*)!)!) (#)0, !\*\$!)20!0/'1\$)!6')01\*6!  
 )1\*+\$6\*)'(+R!(/!)20!\$ (+I8\$!6%1'3\$!!L2'32!\*33(7H\*+'0\$!)20!J%1'66'3!)OZ)PDD

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DD!v0//10%>\*%601!QF 2\*)!" #\$\$\_!&' ()8\$!f" #+4!" 1\*%018!&0\*66%!=\*' , PR! I -H(U.98L.G<3T(<07N01!•!BCDB!!  
 2))H5{ {LLL}20\*)6\*+')3P3(7{'+)01+\*')'(+\*6{\*132'<0{BCDB{DD{L2\*)GH#\$\$\_G1'()\$GH#+4GH1\*%01G10\*66%G  
 \$\*, {B@V~@B{!

9'1I '+!N'1)2G! '<01!( /! | ( , A!  
, 1'<0!\* L-\*%!" "#)' +^!  
^1'<0!\* L-\*%!" "#)' +A!, 1'<0!\* L-\*%!" "#)' +^!  
!  
\\$\*34!/1(34A! (6, 0+!OH\*#60))0\$!  
" \*1'\$2'( +01\$!31\* L\_6!N(L '+I !!  
%) (L\_\*1, !)20!H1'0\$)A!, #1'+I !)20!y#32\*1'\$)S!  
M100, (7<\$!I 2(\$)!%2\*\$!I (+0!)(\$!20\*<0+!  
. !I \*%GH1', O!H\*1\*, O!%2\*\$!N00+\$!\$0+)!) (!='N01'\*!  
'+\$2\*3460\$!  
!  
>20'1!32'0/!\$\*' +)!'\$!)20!20\*, !( /!)20!: | \!  
w0!60\*, \$!\*!3( +<(%!( /!H1( )0\$)(1\$!)(![\*'6!  
=( !\* \$!+ ( )!)( !'+\$#6!)20!w( '0\$)!Y+0!

M1(7!)20!<01%/'1\$)!<01\$0M)20!6%1'3\$!3\*66!\*))0+)'(+!)(!)20!<'1)#\*66%!'+0Z(1\*N60!)'0!  
N0)L00+!106'I'(+!\*+, !H(6')'3\$!'!+!H(\$)G=(<'0)!&#\$'\*M!L2'60!#1+'+!!)20!106\*)'(+\$2'H!(+!')\$!  
20\*, !)(!H(\$)'(+!\$#HH(1)!'"#\$\$%!&'()8\$!(L\_+!1\*, '3\*6'\$7P!!>2'\$!36(\$0!106\*)'(+\$2'H!N0)L00+!)20!  
32#132!\*+, !)20!\$\*)0M!'+!\$H')0!(/!\*!3(+\$'))#)'(+\*6!\$OH\*1\*)'(+!N0)L00+!)20!)L\_(DV!\$!\*!10\$#6)!(/!  
)20!\*+)G106'I'(+!H(6'3'0\$!(/!)20!=(<'0)!x+'(+P!!>20\$0!H(6'3'0\$!60, !)(!\*!H01\$'\$)0+!)!\*+, !0<01G  
'+)0+\$'/%'+!!, 0/0+\$'<0+0\$\$!(/!&#\$'\*+!Y1)2(, (Z%!\*I\*'+\$)!\*+%!H0130'<0, !OZ)01+\*6!)210\*)!'++!  
)20!H(\$)G=(<'0)!, 03\*, 0\$P!!

>20!2'\$)(1%!(/!)20!J\*)20, 1\*6!(/!J21'\$)!)20!=\*<'(1!3\*+\$20, !6'I2)!(+)(!)20!\$%7N'(\$'\$!  
N0)L00+!)20!\$\*)0!\*+, !)20!32#132!\*!)20!H(\$)G=(<'0)!&#\$'\*P!>20!103(+\$)1#3)'(+!(/!)20!  
3\*)20, 1\*6!'+!BCCC!2\*\$!N03(70!\*\$)'7#6#\$!/(1!)20!32\*+!0\$!'!+(//3'\*6!=(<'0)!\*+, !H(\$)G=(<'0)!  
\*))#,, 0\$!)(L\_\*1, \$!106'I'(+!)21(#I2(#!)20!)L0+)'0)2!\*+, !)L0+)%6/'1\$)!30+/#1'0\$P!!/20!  
J\*1+0I'0!J0+)018\$!\*+\*6%)!?'\*1'\*!z'H7\*+!06\*N(1\*)0, !(+!)20!1(60!(/!)20!&#\$'\*+!Y1)2(, (Z!  
J2#1325!0>20!I(<01+70+)!106'0\$!(/!)20!32#132!/(!6(%\*6)%!\*+, !\$#HH(1)M!\*, !)20!32#132!2\*\$!  
\*6L\_\*%\$!106'0, !(+!)20!\$\*)08\$!10+01(\$')%, P^#1'+!!"#)'+8\$!0603)'(+!3\*7H\*'I+M!\*+/#7N01!(/!  
, 03'\$'(+!L010!7\*, 0!)2\*)!L010!N0+0/'3'\*6!)(!)20!32#132M!'+36#, '+!!(+!10\*6!0\$\*)0!\*+, !  
N\*34'+!/(1!106'I'(#\$!\$32((6\$PRD->2#\$M, #1'+!!)20!"#)'+!H10\$', 0+3'0\$!\*+, !H1'70!  
7+'\$)1\*)'(+!M20!L\_\*\$!\*N60!)(!)\*'+!\*'\$'!+'3\*+)!\*7(#+)(/!H(6')'3\*6!\$#HH(1)!/1(7!)20!  
(1)2(, (Z!/\*')2/#6!N%!

SpI sgdj e!ei e!Žpdj !-prj e!i ™kI e!e! psdgbce!U>20!^\*%!(/!=\*'+)!"0)01!\*+, !=\*'+)!  
M0<1(+'\*!(1!>20!^\*%!(/!M\* 7 '6%!Z(<0!\*+, !M\*)2/#6+0\$\$WP!!y\$\$0+)'\*66%)20!L2(60\$( 7 0!&\$\$'\*+!  
Y1)2(, (Z!\*+\$L01!)(!)20!9\*60+)'+08\$!^\*%!(/!)20!F 0\$)!!)2'\$!2(6', \*%!L \*\$! 7 0\*+)!)(!0+3(#1\*10!  
\$)1(+1!/\* 7 '6%)'0\$!'+(1, 01!)(!, 0310\*\$0!)20!\*N%\$ 7 \*6!&\$\$'\*+!, '<(130!1\*)0!\*+, +'310\*\$0!)20!  
\$)\*1+\*')+'!&\$\$'\*+!N'1)2!1\*)0!/ (1!)20!I ((, !(/)20!+\*)'(+P!!>20!/\*<(1\*N60!36' 7 \*)0!310\*)0, !N%!  
)20!I (<01+ 7 0+)/ (1!)20!32#1328\$!\*3)'(+\$!H1( 7 H)0, !"\*)1'\*132!: '1'66!)(!\$)\*0!, #1'+1!"#)+\$!  
BCDD!0603)'(+!3\* 7 H\*'1 +!)2\*)!"#)'+'!\$!\*!Q 7 '1\*360!/1( 7 !| (, R!\*+, !)2\*)!20!2\*, !0103)'!0, !)20!  
31((40, !H\*)2!(/!2'\$)(1%PRD@!!!

! "#\$\$%!&'()8\$!\*HH0\*6!)(!)20!9'1I '+!?'1%!'\$!\*+!\*))0 7 H)!)(!32\*660+10!)20!H6\*)')#, 0!)2\*)!  
"#)'+'!\$!/\*<(10, !N%| (, !)(!1#60!(<01!&\$\$'\*P!-+!)20'1!H1\*%01!)20%'!+\$'\$!)2\*)!)1#6%, 0<(#)!  
N06'0<01\$!+00, !+()!N03( 7 0!3( 7 H6\*30+!)

\*33#\$0, !N%![ (#1+\*6'\$)\$!])20!w06\$'+4' | 1(#H!U\*!H1( 7'+0+)!&#\$\$'\*+!2#7\*+!1' 2)\$!  
(11 \*+'; \*)'(+W!\*+, !(/!3(#1\$O!#"\$\$%&'()!(/!L\_(14'+!L')2!)20!: | \PRDX!!>2'\$!: | \!3(++03)'(+! (33#11'+!\*)!\$#32!\*2' 12!6<06!(/!)20!J2#1328\$!\* , 7'+'\$)1\*)'(+!\$)1(+!6%, '\$310, ')\$!)20!'7\*10! (/!H'0)%!H1([03]0, !N%)20!"\*)1'\*132%!\*+, !\$00 7\$!)(!, '103)!)20!\$ (+!8\$!\*+)H\*)2%!)(!)20!J2#132! \*\$!\*+!'+\$)'#)'(+!\*+, !+()!)(!)20!H\*1'\$2'(+01\$!70+)'+(0, !'+!)20!+0Z)!6'+0P!!>20!H\*1'\$2'(+01\$! \*10!H(1)1\*%0, !\*\$!\$#N\$01<'0+)!#+, 01!)20!'+/#0+30!(/!)20!H(L\_01/#6!H1'0\$)!UL')2!2'\$!H(L\_01/#6! 3(++03)'(+\$W!L2(!'\$!\*+!\*3)(1!\*+, !+()!)(!NO!)1#\$)0, P!. \$!/100, (7'!\$, OH'3)0, !\*\$!\$\*310, ! 2\*<'+!QI (+0!)(!20\*<0+R!'+!)20!+0Z)!6'+0P!)!\$'7H6'0, !2\*)!)20!10H10\$\$'(+!(/2(7(\$0Z#\*6')% !'+!&\$\$'\*!U\*!2(GN#))(+!\$#\$0!/(1!\$(70!707N01\$!(/!)20!\*+)G" #)'+(HH(\$))'(+W!\$!\$'+/#6!\*+, ! )2\*)!)20!"#)'+!\* , 7'+'\$)1\*)'(+!2\*\$!, 0/0, !| (, 8\$!L'\$20\$P!!!

! >20!6'+0!NO)L00+!)20!\$03#6\*1!7#+'3'H\*6!\* , 7'+'\$)1\*)'(+!\*+, !)20!106'I'(#\$! \*, 7'+'\$)1\*)'(+!\$!/#1)20!N6#110, !L')2!)20!+0Z)!6'+0!\*N(#)"#)'+!L')2!2'\$!(L\_+!H10\$)'I'(#\$! : | \!N\*34I1(#+, !NO'+!!)20!32'0/!Q\$\*'+)R!(/!)20!J2#132P!!>20!\*\$\$01)'(+!(/!\*!\$0H\*1\*)'(+!(/ 32#132!\*+, !\$)\*)0!'\$!L2(66%7(340, !2010N!\*!)20!6%1'3\$, 0\$31'N0!2(L!)20!H(6'30!\*110\$)! H1()0\$)01\$/!(1!'+\$#6')+!)20!20\*, !(/)20!"\*)1'\*132%!: '1'66!-!)2010N%!H1()03)'+!)20!7%)2!(/ H'0)%!\$\$\*(3'\*0, !L')2!2'7P!! . !3(7H\*1'\$(+!3\*+!NO!, 1\*L\_+!2010!)(!\*!301)\*'+!=(<'0)!H1\*3)'30!(/ 7%)2(6(I'; '+!J(77#+'\$)!H#N6'3!/'1#10\$!H1\*3)'30!)2\*)!'\$!)20!\$#N[03]!(/!)1\*<0\$)%!'+!)20! =()\$!. 1\*)'(+P\$!!>20!)1\*<0\$)%!'+!)2'\$!3\*\$0!2(L\_0<01\$!\$!67(\$)!\*\$!7#32!)20!10\$#6)!(/ \$6(HH'+0\$\$!(+!)20!H\*1)!(/!)20!"\*)1'\*132%!\*\$!')!\$!)20!10\$#6)!(/!)20!0//1)\$!(/!"#\$\$%&'()!\*+, ! )20'1!\$%7H\*)2'; 01\$P!!-+!BCDB!7 (+)2\$!\*/01!"#\$\$%&'()8\$!\*110\$)!\*!H2() (11\*H2!(/!"\*)1'\*132!

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DX!v0//10%>\*%601!0F 2\*)!'#\$\$%&'()8\$!#"+4!"1\*%01&0\*66!=\*' , PR!I -H(U.98L.6<3T (<07N01!•!BCDBP!!

: '1'66!/0\*)#10, !(+)20!(/ /'3'\*6!L0N\$')0!( /!)20!32#132!H1( 7H)0, !\*+!(#)31%!' +!)20!H#N6'3!  
\$H2010N\*\$!)!L\_\*\$!, '\$3(<010, !)2\*)!)20!" \*)1'\*132!L\_\*\$!L\_0\*1'+!!\*!..ECACCC!\10#I#0)!  
)'70H'030PD}!ly<0+!7 (10!\$3\*+, \*6(#\$!L\_\*\$!)20!\*))07H)!N%!20!L0N\$')08\$!0, ') (1\$!) (!, 060)0!)20!  
)'7

H10\$', 0+)'\*6!, 03100W!) (!'7H(1)!6#Z#1%!3\*1\$!U\*\$!L\_066!\*\$!) (N\*33(W!, #)%

J\*)20, 1\*6!(/!J21'\$!)20!=\*<'(1#32(\$0+!\*\$!)20!<0+#0!/(1!)2'\$!\$ (+I8\$!H01/(17\*+30!L\*\$!70\*+)!  
)(!\*,, !)(!)20!+#!+30!\*+, !\$%7N(6'3!70\*+'+!(/)20!\*3)!L2'60!'7#6)\*+0(#\$6%!\*3)'+!\*\$!\*+!  
\*7H6'/'01!/(1!)20!70\$\$\*10!)(!10\*32!)20!10\$)!(/&#\$'\*!\*+, !)20!L(16, P!y<01\$'+30!)20!(1'I+'\*6!  
3\*)20, 1\*6!L\*\$!N#6)!\*\$!\*+\*)'(+\*6!7(+#70+))(!&#\$'\*8\$!<'3)(1%'!+!)20!"\*)1'()'3!F\*1!(/D•DB!  
\*I\*'+\$!)20!'+<\*\$'(+!(/T\*H(60(+8\$/!(130\$!)20!<\*1'(#\$!\$)1#3)#10\$!)2\*)!2\*<0!(33#H'0, !)20!  
\$H\*30!\*)!9(642(+4\*!(+!)20!N\*+4!(/)20!?)(\$3(L!&'<0!10H10\$0+)0, !'+!)#1+!)20!\$)\*)08\$!  
+\*)'(+\*6'\$!)10\*, '+!(/!Y1)2(, (Z%!)20!\$\*)08\$!\*)07H)!\*+, !/\*'6#10!)(!10H6\*30!Y1)2(, (Z%!L')2!  
=)\*6+'\$!)7\*)01'\*6'\$!)%7N(6'\$7#!\*+, !#6)'7\*)06%!\*10)#1+!)(!)20!+\*)'(+\*6'\$!)10\*, '+!(/  
Y1)2(, (Z%!L')2!7(10!)2\*+!\*2'+!)(!/+0L6&#\$'\*+!/6\*'1P!!

>20!H#1H(\$0!(/)20!(1'I+'\*6!3\*)20, 1\*6!\*\$!\*7(+#70+))(!)20!, 0/0\*)!(/T\*H(60(+!  
'+3(1H(1\*)0, !)20!N06'0/!)20!)"\*)1'()'3!F\*1!L\*\$!\*!, '<'+06%'+/6#0+30, !\$)1#I160P!!QM(1!)20!  
, 00H6%106'1'(#\$!7\*[1')%!(/)20!3(#+)1%!)20!'+<\*\$'(+!L\*\$!| (, 8\$!H#+'\$270+)//(1!"0)01!)20!  
| 10\*)8\$!H(6'3%(/!L0\$)01+'; \*)'(+!'+!)20!0'12)00+)2!30+)#1%!)\*+, !/(1!)20!3(+\$00#0+)!NO)1\*\*6!  
(/!+\*)'(+\*6!<\*6#0\$!31%\$)\*66'; 0, !'+!Y1)2(, (Z%!. 33(1, '+16%)20!\$H03)\*3#6\*1!<'3)(1%'!+!)20!L\*1!  
\*6\$(!L\*\$!6\*1!06%1030'<0, !\*\$!, '<'+0!\$\*6<\*)'(+P!!-+!\$2(1!)20!<'3)(1!L\*\$!\$\$(3'\*')0, !60\$\$!L')2!  
)20!\$\*)0!)2\*+!L')2!)20!H0(H60!)207\$06<0\$!\*+, !)20'1!106'1'(+PRBB!!.. !H\*1\*606!3\*+!NO!, 1\*L+!  
NO)L00+!)20!N\*346\*\$2!\*I\*'+\$!)20!106'1'(#\$!10/(17\$!(/"0)01!)20!| 10\*)!\*+, !301)\*'+!  
3(+07H(1\*1%10\$H(+\$0\$!)(!)20!(+I('+'!'+/6#Z!(/!L0\$)01+'!, 0\*\$!\*+, !3#6)#10!+')(!&#\$'\*A!  
L2'32!\$H'40, !\$2\*1H6%/((66(L'+!)20!3(66\*H\$0!(/)J(77#+'\$7P!!-, 00, A!"\*)1'\*132!: '1'66!0<(40, !  
)20!+\*)'(+\*6!707(1%(/)20!/'12)!\*I\*'+\$!)20!M10+32!'+<\*\$'(+!/(66(L'+!)#\$%&('8\$!\*3)!'+!  
)20!3\*)20, 1\*6!\$\*)'+!2\*)!Q)2(\$0!L2(!L(#6, !'+<)0!#\$!\*66!)(!7(34!(#1!\$21'+0\$!10[03)!(#1!

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BB!^7')1'!=', (1(<#QT\*)'(+\*6!?'(+#70+)\*6'; \*)'(+!\*+, !)20!"(6')'3\$!(/!=3\*605!>20!&3(. 2(3)0. . /F 1. 11Tf[((33#H'0, !!1T3(0)1\*6\$.



06070+)\${!(/(#1!\*')'(\*6')%P8RB@!>20!\*+3'0+)!\*132')03)#1\*6!/0\*)#10\$!H10\$0+)!'!>(+8\$, 0\$'! +!  
60+)!)207\$06<0\$!)(!2'!26'!2)'+!&#\$'\*8\$!'7H(1)\*+30!'!20!J21'\$)'\*+!L\_(16, !\*+, !3(7N'+'+! !  
106'! '(\$#!6(1'/'3\*)'(+!L')2!+\*)'(\*6'\$)!I (\*6\$P!!\%!H6\*3'+!7H\*1)'+!)20!&\$\$'\*+!y7H'10!L')2!  
)')60!(/\$#330\$\$ (1!) (!20!\%; \*+)'+0!y7H'10!)20!3\*)20, 1\*6!L\*\$!) (!\*3)!\*\$!\*'\$! +\*6!) (!)20!L\_(16, !

)2\*)^R BX!. 7(+!)20!&#\$\$'\*+!H#N6'3A' +36#, '+!, 0<(#!Y1)2(, (Z!N06'0<01\$!)20!103(+\$)1#3)'(+!  
(/)20!3\*)20, 1\*6!L\*\$!\*6\$(!/1\*#12)!L')2!3(+1(<01\$%P!!|0(|1\*H201!^7')1!=', (1(<!L1')0\$5!

!Y+0!Y1)2(, (Z!H1'0\$)13(+, #3)0, !\*+!#+(/'3'\*6!(H'+(+!H(66!\*+, !L\_\*\$!\$#1H1'\$0, A!  
+()!2\*)!, '/010+)!H0(H60!L010!\*1\*+\$)!10\$)(1\*)(+!N#)!)2\*)!)20'1!\*11#70+)\$!  
L010!N\*\$0, !(+!)20!\N60!&#\$\$'\*+!2'\$)(1%!\*+, !3#110+)!10\*6')'0\$5!)2\*)!)(!L\*\$)0!  
7'66'(+\$(/!, (66\*1\$!'+!\*!3(#+)1%!L')2!7'66'(+\$(/!2(7060\$\$!'\$!\*!\$'+])!)2\*)!)32#132!  
3(+\$)1#3)'(+!+!&#\$\$'\*!\*6L\*\$%\$!\$!\*\$\$!(3'\*0, !L')2!3(11#H)'(+!\*, !)2\*)!)20!  
"\*)1'\*132\$!3#110+)!J\*)20, 1\*6!(/yH'H2\*+%'\$!\$07'G07H)%!0<0+!(+!'7H(1)\*+)!  
2(6', \*%\$P!!>20!H1'0\$)!2'7\$06!'\$!'+!/\*<(1!(/!)20!103(+\$)1#3)'(+!N#)!+()!\*)!)2'\$!  
t\(\$20<'4!H\*30P8•!

F ')2!J21'\$!)20!=\*<'(1!0Z2'N')'+!\*!, (#N60!', 0+)'%!\*\$!

/1(7!\*+!0\*16'01!\$H(+)\*)+0(#\$A'6601\*6!

(+!\$#\$H'3'(+PRE~!M#1)2017(10!. 6%(42'+\*8\$!6\*L%01!T'4(6\*'!"(6(;(<!\*11#0,!,#1'+1!)20!\*HH0\*6!  
 )2\*)!)2010!L\_\*\$!'+\$#/3'0+)!0<',0+30!)(!\$#HH(1!)20!36\*'7!)2\*)!2'\$!36'0+)!L\_\*\$!'+,00,!\*7(+1!  
 )20!7\*\$40,!L\_(70+!H01/(17'+1!(+1!)20!\$(60\*\$!(/!)20!3\*)20,1\*6PE@!!.. 33(1,'+1!)(!H10\$\$!  
 3(<01\*10!/1(7!)20!20\*1'+1!"(6(;(<!7\*,0!\*!\$H0032!07H2\*\$';'+1!)2\*)!)!QL\_\*\$!)20!  
 '+<0\$)'I\*)'(+8\$!10\$H(+\$'N'6')%)(!H1(<0!,0)0+)'+!L\_\*\$!+030\$\$\*1%,#0!)(!(+0!(/!)20!/(66(L'+15!  
 )20!\$#\$H03)0,!H01\$(+!7\*%!'+)01/010!L')2!'+<0\$)'I\*)'(+A!/600!/1(7![#]\$)'30!(1!,0\$)1(%!  
 0<',0+30AREX!31')01'\*!L2'32!20!\*11#0,!,',!+(!)!\*HH6%!)(!. 6%(42'+\*P!!w(L0<01!,#1'+1!)20!

\$#11(#+, '+!)20!3\*\$OP!!-+!\*,, ')'(+)(!1(#+, 6)20G36(34!<, 0(!\$#1<0'66\*+30!(/!)20!L(70+!'+!  
[\*'6!!= \* 7 #)\$0<'328\$!6\* L%01!9'(60))\*!9(642(<!3(7H6\*'+0, !!)20!H(6'30!0H(\$)0, !\*66!(/!)20!I '16\$8!  
H01\$(\*6!'+/(\*7\*)'(+!(+!)20!+0)P!!-)!'\$/!(1!)2'\$!10\*\$(+!)2\*)!= \* 7 #)\$0<'32!'+')'\*66%!2', !201!10\*6!  
+ \* 70!\*+, !3\*660, !201\$06/-1'+\*!z(4)0<\*PRVD!!>20!H#N6'3!1060\*\$0!(/!)20!+ \* 70\$!\*+, !\*, , 10\$\$0\$!(/!  
)20!"#\$%&'()!N\*+, !707N01\$!10\$#6)0, !'+!\$0<01\*6!)210\*)\$!NO'+!!7\*, 0!\*I\*'+\$!)20'1!106\*)'<0\$!!  
'+36#, '+!. 6%(42'+\*8\$!\$ (+PVB!!!!  
. \$!)20!H10G)1'\*6!H1(300, '+I\$!\*+, !0<0+)^#\*6!



\*+, !)20!H10\$0+30!(/!\*!J21'\$)!106'3K \*!\$L\*)32!(/!)20!w(6%>#+'3!L(1+!, #1'+!!)20!" \*\$\$'(+K '\$!  
\*))0\$)0, !)(!N%!\*66!(/!)20!<'3)'7\$!'+)20!'+, '3)70+)!, (3#70+)\${P}!!

>20!)0\$)'7 (+'0\$!032(#!2(L0<01#!)20!H#N6'3!)\*)070+)!7\*, 0!, #1'+!!\*!?((\$3(L!32#132!  
\$01<'30!N%!"\*)1'\*132!: '1'66!/(66(L'+!)\*!7 (+)2!(/\$'60+30!(<01!)20!" #\$\$%&()!H01/(17\*+30!!  
w0!#\$0\$!)20!H6\*)/(17!(/!)20!\$01<'30!)(!<('30!2'\$!3(+, 07+\*)'(+!(/!)20!\*3)!'+!/1(+!)!(/!\*+!  
\*#, '0+30!(/!, 0<(#!)N06'0<01\$#!\$\*)'+!!)2\*)!&#\$'\*!QL'66!2\*<0!+(!/#)#10!'/!\$\*310, !\$21'+0\$!\*10!  
, 0\$031\*)0,#!'!2'\$!, 0\$031\*)'(+!'\$!\$00+!N%!\$(70!\*\$!<'1)#0#!\*\$!\$(70!H1(H01!0ZH10\$\$'(+!(/!  
H(6')'3\*6!H1()0\$)#!\*\$!\$(70!\*HH1(H1'\*!)0!\*3)'(+!(1!2\*1760\$\$!3. 110'0. 1(!)-2(')0. 476526611Tf/F 1. 181Tf330.



! >21(#12(#!)20!, #1\*)'(+!(/!)20!)1'\*6\vv#, !0!?'\*1'+\*!=%1(<!\*107\*'+0, !106#3)\*+)!)(!  
\*66( L!7#32!/1(7!)20!, 0/0+\$0!'!+)017\$!(/!32\*660+1'+1!)20!H6\*'+'//\$/!(1!3\*66'+1!)20'1!(L+!  
L')+0\$\$0\$!)(!)20!\$)\*+, ![\*!)10+, ![(#1+\*6'\$)\$!H10\$0+)\*!)!)20!)1'\*6!L\_010!0#34!)(!H('+)!#)P!!  
?'1'\*7!y6, 018\$!'7H10\$\$'(+!(/!)20!H1(300, '+1\$!\*\$\$20!3(<010, !)20!)1'\*6!H(1)1\*%\$!\*+!#H2'66!  
N\*))60!/(1!)20!, 0/0+\$05!

| #\*1, \$!1\*170, !L')2!\$#N7\*32'+0!#+\$!1\*NN0, ![(#1+\*6'\$)\$!\*+, !)210L!)207!  
(#)!(/!)20!1((7!\*)!L'66P!!>20![#, !0!H01320, !'+!/1(+)(/!\*!\$2\*NN%!&#\$'\$\*+/6\*!A  
10/#\$0, !)(!6((4!\*))20!, 0/0+\$0P!!.. +, !)20!H(6'30!, (!K\*!DCC6N!N6\*34!  
&())L\_0'601K +(!6(+101\$\*)!'!+)20!3(1+01!\$20!2\*, !(33#H'0, !\$'+30!)20!\$)\*1!)(!  
&#\$'\$\*8\$!)1'\*6!(/!)20!%0\*1!N#)!N\*140, !\*+, !/\*70, !\*)!)20!7 (#)2!\*\$!'/!\$20!L\_010!  
'+\$0\*132!(/!N6((,, P.)01!/'<0!, \*%\$0\$'))'+1!'+!)20!3\*10!\$((70!, \*%\$!/(1!DC!  
2(#1\$!\*)!\*!)70!)20!L((70+!\*HH0\*1!0Z2\*#\$)0, P!9'(60))\*!9(64(<\*!((+0!(/!)20'1!  
6\*L%01\$!\$\*, !)20%!L\_010!N0'+1!)1#10, K, 0+'0, !((,, !\*+, !\*, 00#\*)0!\$600HP-E!

. L'\*10!(/!)20\$0!, 0)\*'6\$!N0'+1!H(#+30, !#H(+!N%![(#1+\*6'\$)\$!0\*101!)(!/00, !'+) (!)20!/10+;%!(/!

H1(\$03#)'(+!L\_2'60!\*))07H)'+!)(!'+/6#0+30!H#N6'3!(H+'(+!\$#11(#+, '+!)20!N\*+, !)F ')2'+!  
&\$\$'\*!)20!10H(1)\$!/1(7!7\*'+\$)10\*7!70, '\*!(#)60)\$!3(+1\*\$)0, !\$2\*1H6%!L')2!3(<01\*10!/1(7!  
20!N6(I(\$H2010!'+!)20!L\_\*40!(/!)20!H01/(17\*+30!\*+, !)20!+\*)'(+\*6!10\$H(+\$0!(/!&\$\$'\*+\$!  
H1(<0, !)(!NO!6\*1106%\$2\*H0, !\*6(+!)20!6'+0\$!(/!L\_2'32!+0L\_\$!\$(#130\$!)20%\$#N\$31'N0, !)(!  
H1(<0, !)(!NO!6\*1106%\$2\*H0, !\*6(+!)20!6'+0\$!(/!L\_2'32!+0L\_\$!\$(#130\$!)20%\$#N\$31'N0, !)(!

-9!

. 33(1, '+!)(!)20!z0<\*, \*!J0+)01!H(66!3(+, #3)0, !'+!v#6%(!BCDBA!Q\*!7010!~!H0130+)!(/!  
10\$H(+, 0+)\$\_,, \$\*, !)2\*)!)20!L\_(70+\$2(#6, !NO!60)!(/!L')2(#)H#+'\$270+)!!(+6%D~!H0130+)!  
#\$HH(1)0, !\*![\*'6!)017!(/!7(10!)2\*+!)L\_(!%0\*1\$P!!?(\$)!3\*660, !/(1!\*6'12)01!H#+'\$270+)!!\*+, !B}!  
H0130+)!\$\*, !)20!L\_(70+\$2(#6, !NO!\$0+)0+30, !)(!3(77#+')%!!\$01<'30PR-@!. \$!L\_0!\$2\*66!\$00!!)20!  
/\*3)(1\$!)2\*)!, 1(<0!H#N6'3!(H+'(+!(+!)20!3\*\$0!(/!)20!"#\$\$%&('!)1'\*6!'+!&\$\$'\*!)1\*+\$30+, !\*+%!  
\*))07H\$!)(!\$0\*760\$\$6%!3(1106\*)0!(H+'(+\$!\*+, !, 07(11\*H2'3!+(17\$P!!!  
  
! >(!NO!'+!L')2!!\*)1'\*132!: '1'66!\*))07H)0, !)(!10'+<'(1\*)0!\*!3(77(+6%!206, !, 0/0+\$'<0!  
\$)\*+30!\*7(+!\*&\$\$'\*+!Y1)2(, (Z!N06'0<01\$!L')2!2'\$!H#N6'3!3(770+)!!(+!"#\$\$%&('!)8\$!  
H01/(17\*+30P!!>2'\$!)\*)+30!2\*<'+!H10<'(#\$6%)\*)40+!1((!)L')2!Y1)2(, (Z!N06'0<01\$!'!+)20!  
H(\$G=(<'0)!)01\*!, '103)0, !2(L!7(\$)!32#1326I('+!\*&\$\$'\*+\$!L\_#6, !10\$H(+, !)(!)20!\*3)!'+!  
J21'\$!)20!=\*<'(1!J\*)20, 1\*6!96\*, '7'1!"#)+!2\*<'+!L\_0, !2'\$!100603)'(+!H1'7\*1'6%)(!)20!  
3(+\$01<\*)<0!Y1)2(, (Z!N06'0<01\$!L\_#6, !, 0/0+, !)20!\*110\$!)(/!)20!N\*+, !3(770+)'+!(!)20!  
\*110\$!)(/!)20!N\*+, !)(!10H(1)01\$!'!+!Z(+, (+!)2\*)!)0)2010!\$!+()2'+! !((, !'+!)2'\$P!-!L\_#6, +8!)  
10\*66%6'40!)(!3(770+)!!N#)-!)2'+4!'/!)20! '16\$!L\_010!60)8\$!\$\*%!!+!-\$1\*06!\*+, !+\$#6)0, !

?#\$6'7!2(6%\$')0!L0!L(#6, +8)!0<0+!2\*<0!2\*, !)'70!)(!, 0)\*'+!)20!7!T(+0)2060\$\$!-!, (+8)!2'+4!  
 )20%!\$2(#6, !NO![#, !0, !)((!\$0<0106%/(1!)2'\$!!\#)!)20!/'+\*6!, 03'\$'(+!10\$)\$!L')2!)20!3(#1)\$K -!  
 2(H0!)20!3(#1)L'6!, 06'<01!\*!3(1103)!!L\_066G/(#+, 0, !#6'+!P!R~X!!  
  
 "#)'+\$!\$\*)070+!)07H)\$!)(!\*HH0\*\$0!\*\$!7\*+%!11(#H\$!\*\$!H(\$\$'N60P!!w0!/'1\$)!\$0)\$!)20!  
(//3'\*6!H1030, 0+)!(/3(+, 07+'+!)20!7(1\*6!\*+, !106'1'(#\$!\$6'12)\$!(/!)20!H01/(17\*+30!!L\_2'60!  
 +0!603)'+!)(!70+)'(+!)20!\*+')G" #'')+!\*+')G3(11#H)'(+!70\$\$\*10!(/!)20!6%1'3\$P!!w0!)20+!(H'+0\$!  
 )2\*)!)20!N\*+, !\$2(#6, !+()!1030'<0!)20!7\*Z'7#7!\$0+)0+30!!\*!<0L!206, !N%)!)20!7\*[((1')%)!(/!  
 H(660, !\$#\$'\*+\$!\$00+!\*N(<0P!!\%!3(+)\$1\*'!+!&\$#\$'\*\$!106'1'(#\$!H(6'3'0\$!L')2!)2(\$0!(/!  
 -\$1\*06!\*+, !)20!?'', , 60!y\*\$)!!#)+!\$#N)6%\$!3(//!)!)20!<(3\*6!(#)31%!/((1!"#\$%&'()8\$/100, (7!!  
 \*\$\$01)'+!)2\*)!)!70\*\$#10, !, 0!100!(/!H#+'\$270+!)\$!\*!10\*\$(+\*N60!10\*3)'(+!)(!)20!\*3)P!!-+!  
 Y3)(N01!BCDE

)1'\*6P!!-+!\*!, (3#70+)\*1%310\*)0, !)(!7\*14!)20!(33\*\$'(+!(/!"#)'+\$!'Z)'0)2!N'1)2, \*%!!20!  
10')01\*)0\$!2'\$!H(\$')'(+)(!20!<01, '3)5!Q?%!/1\$)!10\*3)'(+!L\*\$!)2\*)!)20%\$2(#6, !\$4!N06'0<01\$!  
/(1!/(1I'<0+0\$\$!\*+, !)2\*)!L\_(#6, !2\*<0!N00+!)2\*)P!\#)!)20%!40H)!N#6, '+I!')#HAI\*+, !\$(!)20!  
L2(60!3\*\$0!0+, 0, !'+!)20!3(#1)!\$6\*HH'+I!)207!L')2!)L\_(G%0\*1![\*'6!)017\$!\$(!)2010!%(#!2\*<0!)P!!  
-!2\*<0!+()2'+I!)(!, (!L')2!)2'\$P!!>20%!L\*+!)0, !)!)20%!I()!)P\$~!#"')+'+!\*6\$(!#\$0, !)20!  
, (3#70+)\*1%\*\$!\*+!(HH(1)#+')%)(!3(770+)!(!)20!?'42\*'6!:2(, (14(<\$4%)1'\*6A\$00+!N%!  
7\*+%'!+!)20!&#\$\$'\*+!(HH(\$')'(+)7(<070+!)\*)+!)20!'+!)01+\*)'(+\*6!H10\$\$!)(!H\*'1!L')2!)20!  
"#\$%&'()!)1'\*6!Q)(!\$%7N(6';0!)20!:1076'+8\$!31\*34, (L\_+!(+!, '\$\$0+)P\$@C!!>20!\$%7N(6'3!N(+, !

!

>20!, '\$10I \*1, !/(1!)20!\$H'1')!(/!)20!yJw&8\$!1#6'+!!L\_\*\$!\*+!\*\$\$01)'(+!N%!)20!3(#1!)2\*)!  
, 0/0+, \*+)\${!L\_(#6, !N0!)10\*)0, !\*+, ![# , !0, !(+)20!3(#1)8\$!)017\$!\$0))'+!()20!H1030, 0+!)2\*)!  
 )20!&\$\$'\*+[#\$)'30!\$%)07!\$!#+'0#06%)'\*6(10, !)(!)20!+00, \$!(/!)20!3(#+)1%\*+, !\$2(#6, !+()!  
 \*N', 0!N%!)20!1#60\$!L\_2'32!(#)\$', 0!0+)'0\$!\*))07H)!)(!7H(\$0!#H(+!)P!!?\*+%!&\$\$'\*+\$!L\_(#6, !  
 10\$H(+, !)(!)20!"#\$\$%&'()!1\*6!L')2!\$'7'6\*1!3(+07H)!/(1!6'N01\*6!F0\$)01+\$0+\$'N'6')'0\$!  
<'0L\_+'+!)20!\*33#\$\*)'(+\$(/!2#7\*+!1'12)\$!N#\$0!\*\$!7H6%!\*!7\*\$4'+!, 0<'30!/(1!\*!10\$#110+30!  
(/!J(6, !F\*1!H1(H\*I\*+, \*!)^3)3\$P!

! Y+! (+0!0Z)1070!(/!)20!\$H03)1#7A\$(\$70!&\$\$'\*+\$!\$#N\$31'N0!)(!)20!N06'0/A<(3\*66%!  
 0\$H(#\$0, !\*+, !, '\$\$07'+\*)0, !N%!)20!J\*+, '\*+!\*)'G16(N\*6'; \*)'(+!+(+GH1(')J0+)10!/(1!  
&0\$0\*132!(+!|6(N\*6'; \*)'(+!2\*)!'#\$\$%&'()('!, '103)%!N\*340, !N%!)20!x!==)\*)0!^OH\*1)70+!)  
 \*+, !L\_\*\$!#\$0, !\*\$!\*)((6!)(!#+, 017'+0!)20!7(1\*6!\*+, !H(6')'3\*6!/(\*+, \*)'(+\$(/!&\$\$'\*!)(!H\*<0!  
 )20!L\_\*%!/(!/(10'I+!03(+ (7'3!+)010\$)\$P!!-+!\*+!\*1)'360!(+!)\$!L\_0N\$')0A!)20!(1I\*+'\*)'(+!\$\*)0\$!  
 )2\*)!

)20!F0\$)A!\*+, !7(10!\$H03'/'3\*66%!)20!3(1H(1\*)0G/'+\*+3'01!+')010\$)\$!(/!F\*66!  
 =)100)!\*+, !Z(+, (+A\$00!&\$\$'\*8\$!3#110+)I(<01+70+)!\*\$!\*!N\*11'01!)(!+()!(+6%!  
 )20!10#1+!)(!)20#!+7')'1\*)0, !H6#+, 01'+!I!(/!)20!&\$\$'\*+!H0(H60!)20%!2\*, !  
 0+[(%0, !+!)20!D} }C\$!N#)!\*!32034!\*+, !N\*6\*+30!'+2'N')'+!)20'1!20!07(+3!  
 \*7N')'(+!|6(N\*66%P!!>20!F0\$)!2\*\$!H1(HH0, !#H!L')2!7(+0%\*+, !H(6')'3\*6!  
 \$#HH(1!)20!(HH('\$)'(+!7(<070+)/1(7!L\_2'32!)'#\$\$%&'()8!2\*\$!07\*+\*)0, P@B!!

>2'\$!N06'0/!)#1+\$!#\$\$%&'()!+)(!\*/(10'I+!\*10+)'!+!7#32!)20!\$\*70!L\_\*%!)2\*)!\*!N'66!H\*\$0, !  
 )21(#12!)20!^#7\*!'+!v#6%BCDB!/ (130, !T | Y\$!L\_(14'+!'+!&\$\$'\*!)(!, 036\*10!)207\$06<0\$!

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\*B!>(+%!J\*1)\*6#33'AQ&\$\$'\*8\$!#\$\$%&'()8!=#HH(1)0, !N%!x!==)\*)0!^OH\*1)70+)AR!J9578%(VH6H84<-(. #1#\$)!  
 D•A!BCDB!2))H5{{L\_L\_LPI6(N\*610\$0\*132P3\*{1\$\$'\*G\$GH#\$\$%G1'()G\$#+)}G\$#HH(1)0, GN%G#\$G\$)\*)OG  
, OH\*1)70+){EBE}~!

‡/(10'I+!\*I0+)\$\$@E!, 1\*L'+!!\*))0+')'(+!)(!\*!6\*1I01!7(<070+!)(!(#)!H0(H60\$@/(10'I+!  
3(++)03)'(+\$!'+!)20!L\*40!(/!)20!, '<\$'<0!&#\$\$'\*+!H10\$', 0+)'\*6!0603)'(+P!>20!00#\*)'(+!(/!  
(HH(\$'))(+!)(!I(<01+70+)IH(6'3'0\$!L')2!\$0, ')'(+)!(1!'77(1\*6')%!'\$!\*/0\*)#10!(/!&#\$\$'\*+!  
H(6')'3\*6!, '\$3(#1\$0!)2\*)!2\*\$!, (+0!7#32!)(!2'+, 01!)20!N#1I0(+'+!!(/!\*!3'<'6!\$(3'0)%!/100!/1(7!  
)20!)210\*)!(/'7H1'\$(+70+)P!!.. +()201!N06'0/M!1\*<')\*'++!/\*1!+)(!)20!10\*67!(/!3(+H'1\*3%!  
)20(1%M!\$, 07(+\$)1\*)0, !N%!\*!)60\*\$!)!L(!H0(H60!'+<(6<0, !'+!)20!)1'\*65!)20!6\*L%01\$/!(1!  
96\*, '7'1!"()'\*+84'+!!(+0!(/!)20!'+[#10, !H\*1)'0\$!L2(!L(140, !\*)!J21'\$!)!20!=\*<'(1!\*\$!\*!\$03#1')%!  
I#\*1, P!!^#1'+!!\*+!'+)01<'0L!M)20!6\*L%01\$!

! -)!'\$!)2010/(10!) + (!\$#1H1'\$0!)2\*)!)20!3\*66!/ (1!7\*Z'7#7!H#+'\$270+)!/ (1!" #\$\$\_%&' ()!L\*\$!  
)\*40+!#H!N%!+\*)'(+\*6'\$)!\*+, !106'! ' (#\$!(1I\*+'; \*)'(+\$!' +!&#\$\$\_'\*!'+36#, '+I!)L(!<01%, '/010+)!  
|1(#H\$5!<'I '6\*+)0!Y1)2(, (Z!QJ21'\$)'\*+!3#6)#10!L\*11'(1\$AR@~!L2(!NOI \*+!H\*)1(66'+I!)20!\$)100)\$!  
'+!)20!L\*40!(/!)20!" #\$\$\_%&' ()!)1'\*6!\*+, !)20!: 1076'+GN\*340, !S(#2!^07(31\*)'3!. +'GM\*\$



'1\$)!\*!H6\*%!\*N(#)!20!" #\$\$\_!&'()!1'\*6!\*!)!20!?) (\$3(L!>0\*)1P, (3A!\*+, !)20+!)20!\$(70L2\*)!  
0330+)1'3!, '103)(1!(/)20! | G=H()!?)#\$0#7!(/!y1('3!. 1)A!. 604\$\*+, 1!^ (+\$4(%A!Q\*!/ (1701!  
H(6')'3'\*+!L2(!t\*++(#+30, !)20!310\*)'(+!(/2'\$!''\*1)%!(/!Z(<08,, !N%!2(6, '+!!\*!, 07(+\$)1\*)'(+!  
'+\$#HH(1)!(/!" #\$\$\_!&'()!'+!L2'32!H\*1)%!\*3)'<'\$)\$!\$L\*7!'+!\*!/(#+)\*'+!\*)!20! | x? !\$2(HH'+!!  
30+)01!+0Z)! (!&0, !=0#\*108RXP!!&-.. !T(<(\$)'A!\*!&#\$\$\_'\*+\$)\*)0G1#+!+0L\$!(#)60)A!', 0+)'/'0, !)20!  
\$)\*0!)060<'\$(+!310L!)2\*)!\*33(7H\*+'0, !)20!\*3)'<'\$)\$!\*\$!T>9A!Q\*!H1(GI (<01+70+)!32\*++06!  
4+(L+!/(1!)\$!\$3\*)2'+!H1(H\*I\*+, \*!\*))\*34\$!(+!)20!: 1076'+8\$!0+07'0\$A'+36#, '+!H(HH('\$))'(+!



z(1, !2\*\$!3( 7 7 \*+, 0, !#\$!)20%!4+( L!L2\*)!7013%!'\$!)20%!4+( L!L2\*)!  
/(1| '<0+0\$\$!\*+, !zY9y!\*10^>20%!4+( L!L2\*)!'\$!\* , 00#\*)0px}!

\\*1\*+(<!!L2(!\*\$4\$!'+!)20!60))01!) (!N0!, 0/1(340, !+!H1()0\$)!(/)20!31'7'+\*6!3\*\$0!\*I\*'+\$)!#\$%!  
&'()!!'\$!H\*1)!(/!\*!\$7\*66!N#)!+()'30\*N60!7(<070+)!L2'32!\$(70!'+!&#\$'\*!2\*<0!3(7H\*10, !)()  
20!"1()0\$)\*+)!&0/(17\*)'(+!!>20!7(<070+)!\$!32\*1\*3)01';0, !N%!!1(L+'+!, '\$3(+0+)!'+!)20!  
Y1)2(, (Z!3(77#+')%!L')2!)20!J2#132\$!60\*, 01\$2'H!\*+, !\*, 7+'\$)1\*)'(+!!\*33(7H\*+'0, !N%  
3\*66\$/!(1!7(, 01+';\*)'(+!\*+, !\*!7(10!=31'H)#10GN\*\$0, !\*HH1(\*32!)(!106'1'(+P•C!!-+!BCDDA!)/01!  
<0+)'+!)20'1!!1'0<\*+30\$!L')2!)20!Y1)2(, (Z!J2#132!!)2100!H1'0\$)\$!\$0))20!0Z\*7H60!/(1!  
\\*1\*+(<)(!6\*)01!/(66(L!N%!NO'+!1!Q, '\$2(+1\*N6%, '\$32\*110, R•D!' +!)20!3')%!/(!; 20<\$4!!=+30!  
)20+!!0+3(#1\*10, !N%)20!, 0<06(H70+)!(/)20!"#\$%&'()!1'\*6!!+#701(#\$!N6(1101!  
\$#HH(1)'<0!(/10/(17\$!2\*<0!0+)010, !)20!/1\*%!/(!106'1'(#\$, '\$3(#1\$0!!3(+1'N#)' +!)(!)20!  
H0130H)'(+!)2\*)!\*\$32'\$7!\$', 0<06(H'+!L')2'+!)20!J2#132!!  
  
>(!\*!6\*110!, 01100!!)20!(H'+('+\$!(/)20!&#\$'\*+!H#N6'3!3(110\$H(+, !L')2!)20!+0L\$!  
\$(#130\$!)20%!)1#\$)!\*+, !\$#N\$31'NO!)(!M1(7!)20!J21'\$))20!=\*<'(1!H01/(17\*+30!(+L\*1, !!  
, '\$3(#1\$0!\$#11(#+, '+!#!\$%&'()!L\*\$!32\*1\*3)01';0, !N%!<'\$#\*6!70\*+\$!(/', 0(6(1'3\*6!  
1\*+\$7\$\$'(+!!M'670, !1\*66'0\$!)20!#\$0!(/!<'\$#\*6!\$%7N(6\$!\$#32!\*\$!)20!N\*6\*36\*<!\*+, !)20!31(\$\$!!  
\*+, !H2()(!1\*H2\$!(/!36\*\$20\$!NO)L00+!H1()0\$)01!\*+, !)20!Y?. T!1'()!H(6'30!3(#6, !O#'346%!NO!  
1060\*\$0, !)(!20!H10\$\$!L')2!6'))60!\*33(7H\*+'+!!\*+\*6%\$\$P!!-+!H(\$)G=(<'0)!&#\$'\*!!2(L0<01!!\*!  
\$)\*14!, '\$)+3)'(+!0Z'\$)!N0)L00+!)060<'\$0, !+0L\$!\*+, !)20!3(+)'#\*66%, 0<06(H'+!  
N6(I (\$H2010P!!>20!+#!+30\$!(/)2'\$!', '(\$%+31\*)'3!106\*)'(+2'H!\*10!0ZH(#+, 0, !N%!=\*1\*2!Y\*)0\$!  
\*+, !| '66'\*+!?)3J(17\*345!

%>20!&\$\$'\*+!/ (3#\$!! 1(#H!H\*1)'3'H\*+) \$\$!L\_010!\*L\_\*10!)2\*)!7#32!(/)20!+0L\_\$!  
10H(1)'+!(!+\$)\*0!)060<'\$'(+!'\$!\$0603)'<0N#+N\*6\*+30, !(1!N'\*\$0, !N#)!7\*+%( /)  
)207!<'0L\_0, !2\*)!\*\$!\*HH1(H1'\* )O!w\*<'+!6'<0, !)21(#12!)20!03(+ (7'3!\*+, !  
H(6')'3\*6!32\* (\$!(/!)20!D} }C\$#!20%!H6\*30, !6'))60!<\*6#0! (+!L\_, OG1\*+I'++I!H(6')'3\*6!  
, '\$3#\$\$'(+P!>20%<'0L\_0, !H#N6'3!, ON\*)0!\*\$!(/)0+!60\*, '+! !)(!H((1!H(6'3%!\*+, !  
03(+ (7'3!32\* (\$P!!?\*+%( /!)20!10\$H(+, 0+)\$!7\*, 0!360\*1!)2\*)!)20%!N06'0<0, !)20!  
1(60!(/!)\*)OG1#+!)060<'\$'(+!L\_\*\$!)(!H1(<, 0!30+)1\*6!\*#)2(1')%!\*+, !(1, 01!'+!  
)1(#N60, !)'70\$P!!>2'\$!OZH6\*'+\$!L\_2\*)!7'12!)\$007!\*H\*1\*, (Z5!&\$\$'\*+!3')'; 0+\$!  
\*HH0\*1!)(!4+(L\_)2\*)!\$\*)OG1#+!)060<'\$'(+!O\$!\$0+)\*66%/#+3)'(+!\*\$!\*!  
H1(H\*1\*+, \*!7\*32'+0!/ (1!)20!\*#)2(1')'0\$!N#)!)20%!(/)0+!\*HH1(<0!(/!)2'\$!\*\$!  
)20%!<\*6#0!(1, 01!(<01!, 07 (31\*3%P•B!

>2'\$!H\*1\*, (Z!7\*+'0\$)0, !)\$06!'+!7#32!(/)20!\$\*)06)060<'\$'(+!\*#, '0+30!\*, (H)'+I!)20!  
3(+\$01<\*)<0!<'0L\_!(/!)20!"#\$\$%!&'()!)1'\*6!'+!6'+0!L\_)2!)20!N06'0/\$!(/!)20!?'(\$3(L\_!  
"\*)1'\*132\*)0N!L\_2'60!/(66(L\_01\$!(/!+, OH0+, 0+!)(1\$(3'\*6!70, '\*!00, \$!\$#32!\*\$!z'<0v(#1+\*6!  
N6(I\$!\*+, !94(+)\*4)0N!2\*, !\*!2'1201!)0+, 0+3%)(!\*, (H)!\*!7(10!6'N01\*6!\$)\*+30P!!F')2!)060<'\$'(+!  
\$H()\$!\*)!\*!H107'#7!/(1!(HH(\$')'( +!H01\$H03)'<0\$!\$#HH(1)01\$!(/!"#\$\$%!&'()N!L\_20)201!(1!+()!  
)20%!N06(+10, !)(!)20!(HH(\$')'( +!/(#+, !)207\$06<0\$!3(+/'+0, !)(!)20!-+)01+0)!+!)20'1!\$0\*132!  
(1!6'40G7'+, 0, !(H'+'(+\$/

\$'7H60!)1\*+\$H\*10+3%!\*+, !/100!0603)'(+\$!L'66!3#10!\*66!(!/&#\$'\*8\$!'66\$p!!>21(#|2!  
, 07(+\$)1\*)'(+\$!\*+, !\*3)\$!N0+)! (+\$2(34'+|!)20!H#N6'3!(#)!(/3(7H6\*30+3%!)20%!H1()0\$)!  
\*|\*'+\$)!0)20!, '\$31'7'+\*)'(+!(/!\$OZ#\*6!7'+(1')'0\$!\*+, !)20!\*+)!G! \*%!6\*L!OZ36#, '+|!, '\$H6\*x%\$!(/!  
2(7(\$OZ#\*6')%)2\*)!3(#6, !\$#HH(\$0, 6%'!+/6#0+30!32'6, 10+!)20!10+01\*6!, %\$/#+3)'(+!(/)20!  
0, #3\*)'(+!\*+, !20\*6)23\*10!\$%)07\$!]!\*+, !)20!11\*, #\*6!\$03#6\*1'; \*)'(+!(/)20!J2#132!)21(#|2!)\$!  
N#\$'+0\$\$6'40!N02\*<'(1PR•V!!>20'1!', 0(6(!%'\$!N1(\*, !\*+, !3(7H60Z!N#)!\*6\$(!#+%'06, '+|!'!+)20!  
/\*30!(/!H#N6'3!31')'3'\$7!/1(7!N()2!)20!&'12)!\*+, !)20!z0/)P!!-)!'\$!N03\*#\$0!(/)20'1!  
#+3(7H1(7'\$'+|A#+GH(H#6'\$)!\*10+, \*A!\*+, !)20'1!L'66'+|+0\$\$!)(!\$#N<01)!6(+|GO\$)\*N6'\$20, !  
3#6)#1\*6!+(17\$!)2\*)!(HH(\$))'(+!60\*, 01\$!6'40!. 60Z0%!T\*<\*6+%!2\*<0!, '\$)\*+30, !)207\$06<0\$!  
/1(7!"#\$\$%&'()P!!-+!2'\$!10\*3)'(+!)(!)20!J21'\$!)20!=\*<'(1!H01/(17\*+30!20!)\*)0\$!Q-\$007!)(!  
2\*<0!7'\$\$.0, !)20!'+')'\*6!| (\*6!(/)20!L\_2(60!H1()0\$)!\*3)'(+P!!=(70!H10/01!3\*66'+|!)!\*!H'030!(/!\*1)P!!  
-8, !1\*)201!32\*1\*3)01'; 0!)20'1!H01/(17\*+30!\*\$!\*!7'\$\$.0HAR!L\_2'60!Y60!!: (; 6(<\$4%A!\*+()201!

\*33(#+)\*N'6')%!L\_066!\*N(<0!\*#)2(1'\*1'\*+'\$7!(+!)20!6'\$)!(/!)20!3(#+)1%8\$!N'1|0\$)!  
H1(N607\$P!!..!^0307N01!BCDC!z0<\*, \*!H(66!/(#+, !)2\*)!7(10!)2\*+!2\*6!/(!  
&#\$'\$\*+\$!H10/01!6\*L!\*+, !(1, 01!0<0+!'/!)!3(70\$!\*)!20!0ZHO+\$0!(/\$(70!  
, 07(31\*)'3!1'12)\$P•@!

>20!(HH(\$'))(+8\$!60\*, 01\$2'H\$M'+!')\$!0//(1)\$!)(!I1(L!)20!7(<070+)8\$!H(6')'3\*6!'+/6#0+30!H(H)0, !  
/(1!\*+!\*66G'+36#\$'<0!\*HH1(\*32!L')2!)20!I(\*6!(/!(\$)01'+!!\*!<'N1\*+)!3'<'6!\$(3'0)%!)2\*)!3(#6, !  
H#\$2!/(1!\*33(#+)\*N'6')%!\*+, !)1\*+\$H\*10+3%!'!+)20!I(<01+70+)!)(!60+, !7(10!H(L01!)(!)20!  
<()'+'!H#N6'3P!!>21(#I2!0+3(7H\*\$'\$+!0<01%N(, %!/1(7!6'N01\*6\$!)(!1'12)'\$)\$M+\*)'(+\*6'\$)\$!)(!  
\(\$20<'4\$M\*+, !0+<'1(+70+)\*6!\*3)'<'\$)\$!)(!\*+\*132'\$)\$M!)20!7(<070+)!\$(#I2!)(!N\*6\*+30!)\$!  
3(7H(\$'))(+!\*+, !\*32'0<0!\*!, '<01\$0!/(66(L'+!/(1!\*!106\*)'<06%!7(, 01\*)0!H6\*)/(17P!!>20!  
7(, 01\*)0!+\*)#10!(/!)20!7(<070+)!L\_(#6, !H1(<0!)(!N0!\*)!)20!1((!)(!!)\$#\$330\$\$M\*!\$0)20!7(\$)!  
\*, <01\$\*1'\*6!3'<'6!\$(3'0)%!I1(#H\$!)0+, !)(!N0!)20!60\*\$)!\$#\$330\$\$/#6P!>2'\$!'\$!+(!)![#]\$)!\*!10\$#6)!(!  
\$)\*)0!10H10\$\$'(+!N#)!N03\*#\$0!N1(\*, !\*+)'I(<01+70+)!H1()0\$)\$!0+, !#H!\*6'0+\*)'+!I|(<01+70+)!  
6(%\*6'\$)\$M!L\_2(!107\*'!\*\$)1(+!I7\*[((1')%!(/!)20!H(H#6\*)'(+PR•X!>20!3((H01\*)'(+!(/!)20\$0!

)20!'+00#')'0\$!' +!)20!&#\$\$\_'\*+[#\$)'30!\$%)0 7!)2\*)!H6\*I #0, !(HH('\$)'(+!60\*, 01\$!\*+, !  
H\*1)'3'H\*+\$!/1(7!)20!\$)\*1)!!\*+, !\$20, !6'I 2)!(+!)20!\$\*31'/'30\$!, 0 7 \*+, 0, !(/, '\$\$0+)01\$!M0 7 \*60!  
\*3)'<'\$)\$#!0\$H03'\*66%! 7 ()201\$!6'40!. 6%(42'+\*!\*+, !>(6(4(+'4(<\*!!L010!(/)0+!)\*1|0)0, !'+!  
H\*1)'3#6\*16%, '\$H'1')'+!!L-\*%\$/!(66(L'+!)20'1!\*110\$)\$!(1!'+<0\$)'I \*)'(+\$!NO'+!)210\*)0+0, !  
L')2!6(\$'+!!3#\$(, %!(/!)20'1!32'6, 10+!\*+, !2\*<'+!)20'1!\$0Z!6'<0\$!H#N6'36%\$!31#)'+'; 0, !\*+, !  
3(+, 0 7 +0, !!?\*1'\*!\\*\\*1(+(<\*!!\*+!\*3)'<0!(HH('\$)'(+!/'I #10!\*)!)20!)' 7 0!(/!)20!"#\$\$%!&'()!)1'\*6!!

>\*40+!\*\$!\*\$!L2(60!)20\$0!)\*3)'3\$!L'06, 0, !N%!)20!I (<01+70+)\*!\*'+\$)!/07\*60!(HH(+0+)\$\$0+, !  
\*!70\$\$\*10!)20!\*#)2(1)'0\$!\*10!7(10!)2\*+!L'66'+!!)(!0ZH6(')!)1\*, ')'(+'6!10+, 01!1(60\$!'+!  
H10\$\$#1'+!!)20!L(70+!)(!\*N\*+, (+!)20'1!3\*#\$0\$!L')2!H01\$(+\*6!\$2\*7'+!!\$01<'+!!)20!, #\*6!  
H#1H(\$0!(/!)\*1+'\$2'+!!)20!10H#)\*)'(+!(/!)20!'+, '<', #\*6!'++)20!/\*30!(/!6\*1!06%!3(+\$01<\*)'<0!  
\$31#)'+%!\*+, !107'+, '+!!()201!L(70+!(/!)20!3(+\$00#0+30!(/!(66(L'+!!\$#')\$!!!  
  
! >20!I (<01+70+)\*#)2(1)'0\$!L010!+()!2(L0<01!)20!(+6%!0+)'0\$!#1I'+!3(+/(17')%!  
L')2!)1\*, ')'(+'6!10+, 01!1(60\$p!!.. \$!)20!"#\$%!&'(!)1'\*6!10<0\*60, !/#1)201!, 0)\*'6\$!(/!)20'1!  
H6\*)/(17!/3#\$!L\*\$!10+0L0, !(+!)20!(HH(\$'))(+!7(<070+)8\$!+')0+\$0!0<0+!<'(60+!), '\$, \*'+!

)2'\$!, (#N)!'+!\$\*%'+!!(/!)20!7(<070+)8\$/#/10!)2\*)!0L0!+00, !\$ (70!7(10!/#06!)(!6'!2)!)20!  
/'10!N#)!'"#\$\$%!&'()!7\*%!2\*<0!2\*170, !)20!(HH(\$')'( +!N%) \*4' +!!\*L\*% !\$ (70!(/!)\$!7(1\*6!2'!2!  
|1(#+, PR}E!!-)!L(#6, !\$ ((+!3(70!)(!6'!2)!)2\*)!\$ (70!(/!"#\$\$%!&'()8\$!N'!10\$)!32\*7H'(+\$!L(#6, !  
NO!/(#+, !\*N1(\*, P!

9-!

-+!)20!L\*40!(/!)20!J21'\$!)20!=^<'(1!H01/(17\*+30!)20!(<01L2067'+!!7\*[ (1')%!( /!70, '\*!

\$)100)!H1()0\$)\$P!!>20!H1(H0+\$')%!(/!F0\$)01+01\$!)(!10\*3)!H(\$')'<06%)(!)20!N1\*+, 66'40!+\*)#10!(/!  
 )20!"#\$%&'()!'7\*10!7(\$)!6'406%3(+1'N#)0,!)(!)20!H(H#6\*1')%!(/!)20!I1(#H#!\*\$!, ', !)20'1!  
 L', 06%, '\$3#\$\$0, !I((, !6((4\$P!T\*, 0; 2, \*!>(6(4(++'4(<\*H!'+!\*+'+)01<'0L!L')2!Jw,!L\*\$!0<0+!  
 3(\*Z0, !'+)(!3(770+)'+I!(+!)20!1(60!(/!)20!N\*+, 8\$!NO\*#)%!'!+!)20'1!H(H#6\*1')%5!  
 -!2#7N6%!2(H0!)2\*)(#1!\*))1\*3)'<0+0\$\$!H01/(17\$!\*\$#N<01\$'<0!/#+3)'(+P!!M'1\$)!  
 (/!\*66!N03\*#\$0!L')2(#)!Q#\$R!'+!N\*6\*36\*<\*\$A![#7H'+I!\*66!(<01!&0, !=0#\*10!L')2!

#1I '+I !\$#HH(1)01\$!(/!)20!N\*+, !)(!3\*10/#66%!3(+\$', 01!)20'1!10\*\$(+'+I !N0/(10!H1(/0\$\$'+I!)20'1!  
/#66!\$#HH(1)!(/

&\$\$\$'\*'\$!6'40! (+0!N'!H1'\$ (+P!!-+!(1!(#)!!% (#!\*10!\*6L\_\*%\$!#+, 01!\$ (70(+0!06\$08\$!3(+)1(6PR}X!!  
. 6)2(#12!)20!7 ('<\*)' (+!N02'+, !)20\$0!\$)\*)070+\$!3(#6, !<01%!L\_066!2\*<0!N00+!) (!H01\$#\*, 0!  
(6, 01!!7 (10!3(+\$01<\*)'<0G7'+, 0, !&\$\$\$'\*+\$!) (!<'0L!"#\$\$%&'()8\$!(/'3'\*6!H01\$03#)'(+!)21(#12!  
)20!2'\$) (1'3\*6!60+\$!(/!=)\*6'+\$!7!!)20%\$0070, !) (!N0!/\*1!7 (10!0//03)'<0!\*)!10'+/(13'+!!\*

\$007 „ [#\$)!1030+)6%!20!3')%!3(#+3'6!(/!"\*1'\$!, '\$3#\$\$0, !)20!'\$\$#0!(/!<'+!)20!H\*1)'3'H\*+)\$/(!  
" #\$\$%&'()!20!)')60!(/!2(+1\*1%3')';0+\$!(/!"\*1'\$!!.. 60Z\*+, 01!=32'H4(<!!\*[ (#1+\*6'\$)!\*+, !\*!  
32#132!2'\$)(1'\*+!!\$00\$!20!/((66(L'+!!6(I'3!'+!)2'\$!, (#N60!\$)\*+, \*1, \$!\*HH1(\*32!(/)20!"\*1'\$!  
\*#)2(1)'0\$5!20!2((6'I\*+'\$7!)2\*)!, 0\$)1(%\$!&\$\$'\*'\$!! ((, !!)!'\$!, 07(31\*3%\$!!\#)!'/!)20!\$\*70!  
2((6'I\*+'\$7!, 0\$)1(%\$!M1\*+30K')!'\$!\*!3(7H60)06%, '/010+!)7\*))01PRDCD!=7'6\*16%!!|017\*+!  
J2\*+3066(1!. +106\*!?'01406!, '103)6%!0#0\$)'(+0, !"#)'+!\*N(#)!20!\*HH1(H1'\*!)0+0\$!(/)20!)L(G  
%0\*1!H1'\$(-+\$0+)0+30!2\*+, 0, !, (L+!)(!. 6%(42'+\*!\*+, !>(6(4(+-'4(<\*DCB!!L20+[#\$)!\*!3(#H60!  
(/!7(+2\$!H1'(1!\*!)1'(!(/!H1()0\$)01\$!0+)010, !J(6(I+0!3\*)20, 1\*6!, #1'+!!\*!7\*\$!'+!\*!\$2(L!(/  
\$(6', \*1')%!L')2!"#\$\$%&'()!\*+, !L\_010!\$#N\$00#0+)6%!\*110\$)0, !\*+, !32\*1!0, !L')2!0)20!  
, '\$1#H)'(+!(/!100!H1\*3)'30!(/!106'I'(+AR!L2'32!3\*11'0\$!\*!7\*Z'7#7!(/)2100%0\*1\$!'+!H1'\$(+PDC!!  
. \$!L\_0!\$2\*66!\$00!!7#)'\*6!'+/6#0+30\$!NO)L00+!"#\$\$%&'()!\*+, !+')01+\*')(+\*6!H1()0\$)!  
7(<070+)\$\$#32!\*!Y33#H%!F \*66!=)100)!\*+, !M070+!!2\*<0!\*6\$(!3(+!)1'N#)0, !)(!)20!

10/#\$0!3( 7H1( 7'\$0!\*!)20!0ZH0+\$0!( /!(+08\$!H01\$( +\*6!\$\*/0)%! (1!, '6#)0!)20!H(L01!(/!)20!  
'+, '<', #\*6!\*\$!\*!) ( (6!\*| \*'+\$!)20!'+'\$')#)' (+\$!(/!)20!\$)\*)0P!!-+!)20!L\*40!(/!)20!)1'\*6A!"#\$%&'()!  
\*+, !)20!(HH(\$')'(+!7(<070+)!L010!N()2!H6\*I#0, !L')2!2\*1, \$2'H\$!L')2!'+)010\$)!L\*+'+!\*\$!  
&#\$\$'\*!\*+, !)20!L(16, !3\*70!)(!I1'H\$!L')2!"#)'+'8\$!)2'1, !H10\$', 0+)'\*6!)017P!. /)01!. 6%(42'+\*!  
L\*\$!\$0+!) (!)20!-:

'67\$!\*\$!L066!\*\$\$2(\$L\$!\*+, !3(+301)\$PRDCX!=\*7#)\$0<'32!\$!3#110+)6%!/!2)'+!!)20\$0!0//(1)\$A!  
\$)\*'+!5!

F 0810!\*I\*'+\$)!3(77013'\*6!/(17\$!\*\$!\*)!7#\$'3!\*\$!I ((, \$P!!-)8\$! (#1!H1'+3'H60, !  
H(\$')'(+)(!H#)! (#1!L(14!(+6%!(+!(H0+\$!#130\$K S(#>#NO!!9: (+)\*4)0K



/07+'\$)!,'\$3(#1\$0!\*+,!2\*<0!\$2(L+!6')60!\$'!+!(/!/\*)'I#0!!F20)201!(1!+()!M070+8\$!H1()0\$)\$!  
2\*<0!)20!H(L01!)(!\*//03)!70\*+'+I/#6!\*+,!6\*\$')+I!32\*+I0!'\$!#+360\*1!N#)!20!3(+1(<01\$%!\*+,!  
,0N\*)0!)2\*)!2\*\$!\$#11(#+,0,!20!I1(#H!2\*\$!%06,0,!3(+\$)1#3)'<0!,'\*6(I#0!\*N(#)!/07+'\$7!L  
L(70+8\$!1'!2)\$!\*+,!7(1\*6')%!'!+)20!)L0+)%G/'1\$)!30+,#1%P!!#\$\$\$!&'()!2\*<'+I!H10<('#\$6%!  
(33#H'0,!2'\$!'+/6#0+)\*6!H(\$')'(+'!+)20!70,'\*!2\*\$!,07(+\$)1\*)0,![\$)!2(L!H(L01/#66%!\*!  
L066G)'70,!L066G3(+\$)1#3)0,!\*3)!(/!,0/!\*+30!\*+,!3(#1\*I0!3\*+\$!2\*40!)20!L(16,P!!F20+!\*+,!  
L2010!)20!+0Z)!7\*[(!0#\*40!L'66!2\*HH0+!107\*'+\$!)(!NO!\$00+P!  
!  
!



\0++0))\$!!? \*13P!!Q-+!" "#)+\$!&#\$\$'\*!!Z'))60!=0H\*1\*)'(+!\0)L00+!J2#132!\*+, !=)\*)OPR! I -H(  
Q86-GLO.5L(I G; H63((•{DE{BCDBP!!  
2))H5{{LLLPL\*\$2'+1})(+)70\$P3(7{+0L\${BCDB{\*#I{DE{H#}'+G1#\$\$'\*G6'})60G  
\$OH\*1\*)'(+G32#132G\$\*)0{€H\*10, \*6!  
!  
\0++0))\$!!? \*13P!!Q&#\$\$'\*+!" \*16'\*70+!). HH1(<0\$!T | Y!M(10'I+!. 10+)\$!!Z\*LPR!VSU(f5e56.G3((  
X{@{DBP!!2))H5{{0+P1'\*+P1#{1#\$\$'\*{BCDBCXC@{DXVVE@}}EP2)76!!  
!  
\0++0))G=7')2!!?010, ')2P!!0>(H60\$\$!M070+!. 3)<'\$)\$!W\*'6!" (HO8\$!&O\$'!+\*)'(+!!=2(#)!tT(!  
?(10!w(7(H2(N08!'+!T()10!^\*7OPR!T: iiGLO.5L(N56.3(B{DB{DEP!!  
2))H5{{LLLPL2#/+'1)(+H(\$)P3(7{BCDE{CB{DB{}}(H60\$\$G/070+G\*3)'<'\$)\$G2\*'6GH(HO\$G

y6, 01!!?'1'\*7!Q&\$\$'\*+!0603)'(+5!H(6'30!!)1((H\$!\*+, !%(#)2!!1(#H\$!)'/60!\*+)G" #)'+!H1()0\$)\$PR!  
I -H(J: 84KG8L3(DB{@{DDP!!2))H5{{LLLPI #\*1, '\*+P3(P#4{L(16, {BCDD{, 03{C@{1#\$\$'\*+G  
0603)'(+G\*+)'GH#)'+GH1()0\$)\$!

!

y1070+4(!!.. 60Z0%P!QY1)2(, (Z!&\*, '3\*6\$IM'+, !| G=H()8!'+!?)(\$3(LPR!VSU(F5e56.G3((•{B}{DBP!!  
2))H5{{0+P1'\*+P1#{1#\$\$'\*{BCDBC•B}{DX~~CDVE•P2)76!

!

0M070+!. 3)!'+!)20!J\*)20, 1\*6K M10+32!"(6')'3'\*+\$!'+!M#1%K='7'6\*1)'0\$!)(!"#\$\$!&'()PR(I -H(  
F5G<H(5i(V: 66G83(B{BC{DEP!!2))H5{{0+16'\$2P1#<P1#{BCDE•CB•BC{M070+G\*3)G'+G)20G  
3\*)20, 1\*6GM10+32GH(6')'3'\*+\$G'+G/#1%G\$'7'6\*1)'0\$G)(G"#\$\$%G&'(){}!

!

0M070+!. I \*'+\$)!J2#132!\*+, !?'66'(+\*'10\$AR!KL0%6-(V: 66G83(("(\$0, !DB{}){DD!N%!0(4V#BN#RP!

z')\*#01!^\*+P!!Q"1(G^07(31\*3%&#\$'\*+!? (<070+)!&0[03]\$!z | \>!. 3)'<'\$)\$PRIJ8YM.84FH263((  
DB{EC{DDP!!2))H5{{LLLP1\*%\$)\*1+0L\$p3(7{\*1)'360{H1(G, 07(31\*3%G1#\$\$'\*+G  
7(<070+)G10[03)\$G61N)G\*3)'<'\$)\$!

!  
z(N; '+\*A!. 6'+\*P!QY1)2(, (Z!. 3)'<'\$)\$!J10\*)0!?

•{BB{DBP!!2))H5{{}207(\$3(L+0L\$p3(7{6(3\*6{BCDBC•BB{D}CDBB•EBP2)76!

!  
?\*340%&(NO1)!Q. /)01!"#\$\$%!&'()!901, '3)A!J21'\$)'\*+!J#6)#10!F \*11'(1\$!&#+!&'()!'+!?

I -H(WHKH,(FH2(g54h(I G; H6P!!•{EC{DBP!!  
2))H5{{}2060, OPN6(!\$P+%)'70\$p3(7{BCDB{C•{EC{/((6(L'+IGH#\$\$%G1'()G<01, '3)G  
321'\$)'\*+G3#6)#10GL\*11'(1\$G1#+G1'()G'+G 7(\$3(L{!

!  
Q?0, '\*!J(<01\*!0!(/!"#\$\$%!&'()!>1'\*6!&0\$)1'3)0, !\%!J(#1)PR!VUNMS(V: 6668L(WHO8%SLi54; 8.65L(  
UOHL<Y3



&()2M. +, 10L!\*+, !&(N01)!? \*340%P!Q&#\$\$'\*!. \$\$'!+\$!\ \ (, %I#\*1, \$!) (!v#, 10!. 20\*, !(/!901, '3)!'+!  
"#\$%&'()!>1'\*6PR! I -H(fH2(g54h(I G; H63((•{D@{DBP!!  
2))H5{ {}2060, OPN6(I \$P+%)'70\$P3(7{BCDB{C•{D@{1#\$\$'\*G\*\$\$'!+\$GN(, %I#\*1, \$G)(G  
[#, 10G\*20\*, G(/G<01, '3)G'+GH#\$\$%G1'()G)1'\*6{!!

!

0&#\$\$'\*+"#+4!\*\ \ , !"#\$%&'()| (!(+!w#+101!=)1'40!'+!?) (\$3(LPR! I -H(QHHh3(E{@{DBP!!  
2))H5{ {}LLLPI20L004P3(P#4{1#\$\$'\*{1#\$\$'\*G0603)'(+{V~XBB{1#\$\$'\*+GH#+4GN\*+, G  
H#\$\$%G1'()G1(G2#+101G\$)1'4067(\$3(L!

!

=\*7#)\$0<'32MS04\*)01'+\*P!!-+)01<'0L!N%!?'1'\*7!y6, 01P!!QS04\*)01'+\*!=\*7#)\$0<'325!F0IJ\*+8)!  
"01/(17!L')2!=#H01\$)\*1\$PR! I -H(J: 84KG8L3(DB{BC{DBP!!  
2))H5{ {}LLLPI#\*1, '\*+P3(P#4{7#'\$3{BCDB{, 03{BC{04\*)01'+\*G\$\*7#)\$0<'32GH#\$\$%G  
1'()G\$#H01\$)\*1\$!!

!

=32(0+N01!M=2'1\*P!Q"1(Gz'/0!F')2!yZ30H)'(+\$!M(1!&\*H0M-+30\$)M!\*+, !y701I0+3%PR!

>#7\*+(<@!|1'|(1%P!Q>20!^\*14!^('+I\$!(/!&\$\$'\*8\$!J0+)10!yPR!m/HL(j H; 5<48<Y(V: 66683((  
•{B•{DBP!!2))H5{{LLLPIH0+,07(31\*3%P+0){(.G1#\$\$'\*{I1'|(1%G)#7\*+(<{,\*14G  
,('+I\$G