



"#!\$%&' ( ) ' \*!+, -+./%\*012#3!&%0' \*4!255\*%&' 3!2#!678' 2\*!9: 6+!( ;1!%#!4<=%%1!)>;13;#?!  
;( 5\*%&' ( ' #0!)%#3!)8!2!0@%70=;\*34!( 2A%\*;08B!C24' 3!%#!2!<;0;D' #73' &' 1%5' 3!2#3!5\*;%\*;0;D' 3!5!2#.!  
0=' !)%#3!@;1!E>118!( %3' \*#;D' !0=\*' ' !=;?=!4<=%%14!2#3!\*' 5!2<' !%#' !F76!4<=%%1B!"0!@;1!2!4%!\*' 5!2<' !  
\*%E4.!2#3!;( 5\*%&' !4' ;4( ;<!42E' 08.!2<<' 44.!2#3!?'\*23' !G0=760=!4<;' #<' !<1244\*%%( 4!20!>5!0%!GH!  
%0=' \*!4<=%%14B!

/=24' !//\*!!

!

SI@' 1<% ( ;#?.!0@%!40%\*8!<% ( (%#4!0=20!5\*%&;3' 4!40>3' #04!2#3!0=' !<% ( (>#;08!2!452<' !0%! ?20=' \*.!@%\*V!2#3!1' 2\*#B!

!

\$' @!452<' 4!2#3!%55%\*0>#;0;' 4!E%\*!<2\*' ' \*!2#3!5\*%A' <07) 24' 3!1' 2\*#;#?!4%!40>3' #04!<2#! 3\*' 2( .!3' 4;?#.! ( 2V' !2#3!<\*' 20' B!

^' 2\*#;#?!@;#?4!@;0=!2!&2\*;' 08!E!452<' 4!@;\*' 3!E%\*!0' <=#%1%?8!0%!' #=2#<' !?%>5!2#3! ;#3;&;3>2!;D' 3!1' 2\*#;#?!

!

R' 5>\*5%4;#?!0=' !2>3;0%\*;> ( !24!0=' !#' @!O' 3;2!1' '#0' \*!2!1%@;#?;!0=;4! ( 2A' 40;<!452<' !0%! <%#0;#>' !0%!4' \*' &' !0=' !R%4' &' !0!<% ( (>#;08B!

!

\$' @!20=' 0;<4!E2<;1;0;' 4!;#<1>3' !2!#' @!78 ( !@;0=! J52#3' 3!<252<;08!2#3!2!#' @!2>J;1;2\*8! ?8 ( !0%!4>55%\*0!2<0;&;0;' 4!4><=!24!32#<' !2#3!@\*' 40!;#?!

!

SI#' @!S\*04!\_ ;#?;!0=20!E' 20>\*' 4!2! ( %3' \*#!0=' 20' \*! ( >4;<!\*%% ( 4!2#3!2\*0!<1244\*%% ( 4B!!

!

SI<% ( (>#;08!4' \*;&;<' 4!<' #0' \*!@;0=!2!=' 2!0=!<1;#;<.!<1%0=' 4!<1%4' 0.!E%3!52#0\*8.!2#3! <%>#4' 1;#?!<' #0' \*!0=20!5\*%&;3' 4!2!4' 52\*20' !' #0\*2#<' !E%\*!2E0' \*7=%>\*4!>4' !

!

!

I % #40\* ><0;%#!@;11!) ' !5=24' 3!4><=!0=20!40>3' #04!2#3!0' 2<=' \*4!@;11!\*' ( 2;#;!%#74;0' B! !1244' 4!@;11!) ' ! ( %&' 3!) ' 0@' ' #!0=' !' J;40;#?!) >;13;#?.!0' ( 5%\*2\*8!<1244\*%% ( 4.!2#3!0=' !#' @!E2<;1;08!24!;0!;4! <%#40\* ><0' 3B!L=' !5\*%A' <0!0' 2 ( !@;11!) ' !;#!<%#402#0!<% ( (>#;<20;%#!@;0=!R%4' &' !0!T;=?!U<=%%1! 402EE!0%! ( ;#; ( ;D' !3;4\*>50;%#!0%!0' 2<=' \*4!2#3!40>3' #04!0%!0=' !' J0' #0!E' 24;) 1' B!

!

! ""#\$%&' () \*\$%

!

+

+, - \$\$ . ' ' / \$ %

I 1244' 4!3;4512<' 3!) 8!\*' # % & 20; % # 4! 0% ! 0 = ' ! - M + - ! ) > ; 13; # ? ! @ ; 11! ) ' ! = ' 13! ; # ! # ' @ 18! < % ( 51' 0' 3!!  
< 1244 \* % % ( 4! % \* ! ; # ! 0' ( 5% \* 2 \* 8! E 2 < ; 1; 0; ' 4! 7! 0 = ' ! ( % 3 > 12 \* ! ) > ; 13; # ? 4. ! ! ; ) \* 2 \* 8! @ ; # ? . ! 2 # 3! < 2 E' 0' \* ; 2! @ ; # ? B! !  
L = ' ! / \* % A' < 0! L' 2 ( ! @ ; 11! \* ' ( 2; # ! ; # ! < % # 402 # 0! < % ( ( > # ; < 20; % # ! @ ; 0 = ! 402 E E ! 0% ! 4 = 2 \* ' ! < % # 40 \* > < 0; % # !  
> 5320' 4! 2 # 3! 2 # 0; < ; 520' 3! ; ( 52 < 04! 0% ! 0 = ' ; \* ! \* % % ( 4. ! 4 > < = ! 24! # % ; 4' ! % \* ! / = 24' ! ! 0% > < = 7 > 5! @ % \* V B!  
!

01# - \* # . % - ) 2% & # . 3' . / ( ) 4% / . \* \$ %



<%#0;#>' !0%!)' !2!02\*?' 0' 3!\*' 4%>\*<' !0%!0=' !3' 4;?#15\*%<' 44.!24!0=' 8!V#%#@!0=' !%5' \*20;%#4!%E!0=' !  
4<=%%1.!0=' !40>3' #04!@=%!1' 2\*#!0=' \*' !2#3!0=' !%55%\*0>#;0;' 4!0=20!' J;40!E%\*!;( 5\*%&' ( ' #0B!

SI!2\*?' !#>( )' \*!%E!5>)1;<!%>0\*' 2<=!2#3!' #???' ( ' #0!' &' #04!@' \*' !=' 13!;#<1>3;#?!.: !W' 4;?#!  
S3&;4%\*8!X\*%>5!( ' ' 0;#?4.!: !5>)1;<!3' 4;?#!@%\*V4=%54!2#3!H!3' 4;?#!%5' #!=%>4' 4B!L=' !//U!  
%>0\*' 2<=!0' 2 ( !200' #3' 3!%&' \*!Y, !52\*'#0!E%<>4' 3!2#3!#';?)%\*=%%3!( ' ' 0;#?4!Z!' &' #04B!\$%0;<' 4!  
E%\*!5>)1;<!( ' ' 0;#?4!@' \*' !3;40\*;)>0' 3!0=%%>?=!4<=%%1!#' @4! 00' \*4.!E18' \*4!512<' 3!;#!4<=%%14!2#3!  
0=%%>?=%>0!<% ( ( >#;0;' 4B!S34!E%\*!' &' #04!@' \*' !512<' 3!;#!1%<2!#! @4525' \*4!;V' !0=' !UV2##' \*!2#3!  
0=' !U0B![%=#4!R' &' @B!\_\_' !214%!>4' 3!0=' !\OOS!' ( 2;1!4840' ( !0%!4' #3!%>0!#%0;<' 4!2#3!>5320' 4!0%!  
=>#3\* 34!%E!5' %5! B!S14%!0=' !//U!! "\$%&' )!4840' ( !4' #3!%>0!<2!14!0%!E2 ( ;!; 4!%E!40>3' #04!20!  
R%#4' &' 10!2#3!211!;04!E' ' 3' \*!4<=%%14!@=' #' &' \*!2!5>)1;<!@%\*V4=%5!%\*!%5' #!=%>4' !@24!=' 13B!  
!

C%0=!O240' \*!/12##;#?12#3!U<=' ( 20;<!W' 4;?#!@%\*V4=%54!@' \*' !=' 13!20!R%#4' &' 10!T;?=.!0=' !  
I=2\*1' 4![%\*32#!I % ( ( >#;08!I ' #0' \*.!2#3!X' %\*?' !O;331' !U<=%%B!L=' 4' !@%\*V4=%54!@' \*' !  
E%11%@' 3!)8!P5' #!T%>4' 4!@=' \*' !0=' !5\*' E' \*\*\*' 3!( 240' \*!2#3!4<=' ( 20;<!3' 4;?#1512#4!@' \*' !  
;#E%\* ( 2118!5\* 4' #0' 3!0%!0=' !<% ( ( >#;08B!!S!<%#40\* ><0;%#;!; ( 52<0!P5' #!T%>4' !@24!214%!= ' 13B!  
L=' 4' !%5' #!( ' ' 0;#?4!?2&' !( ' ( )' \*4!%E!0=' !<% ( ( >#;08!2#!%55%\*0>#;08!0%!3;\* <0!8! #???' !@;0=  
0=' !W' 4;?#!L' 2 ( !;#!3' E;#;#?!2!<%11' <0;&' !&;4;%#!E%\*!0=' ;\*!4<=%%1B!!!  
/' %51' !@' \*' !2)1' !0%!4=2\*' !0=' ;\*!0=%>?=04!2#3!;3' 24!%#W!\_\_=20!4=%>13!0=' !E>0>' !R%#4' &' 10!1%#V!  
2#3!E' ' !1!;V' h!\_\_=20!52\*04!%E!0=' !)!>;13;#?!2#3!<2 ( 5>4!@%\*V!@' 1h!!\_\_=20!52\*04!3%#d0h!!T%@!<2#!

E>#<0;%#21!2#3!E%<>4' 3!%#!' 3><20;%#21!#' ' 34!@=;'! !2<<% ( (%320;#?!3' 4;\*' 3!<% ( (>#;08!  
2<0;&;0;' 4B!L=;4!;#<1>3' 4!)>;13;#?!<=2#?' 4!0=20!<\*' 20' !E! J;)'! !452<' 4!E%\*!0' 2<=#?#2#3!1' 2\*#;#?;!  
2#3!%0=' \*!;( 5\*%&' ( ' #04!0=20!4>55%\*0!40>3' #0!2<=#; '&' ( ' #0B!

L=' !3' <;4;%#!0%!E>118! (%3' \*#;D' !%\*!<% ( 51' 0' 18!\*' 512<' !2!4<=%%1!)>;13;#?!3' 5' #34!%#;!04!2?' .!  
=;40%\*;<14;?#;E;<2#<' .!<%#3;0;%#.!3' E;<;' #<;' 4!2#3!4;D' !2#3!5\*%?\*2 ( ( 20;<!452<' !#' ' 34B!  
//U!=24! ( 2#8!=-;40%\*;<!#' ;?=) %\*=%%3!4<=%%14B!T;40%\*;<!)>;13;#?4!2\*' !)' ;#?!\*' =2);1;020' 3!0=\*%>?=  
0=' !U<=%%1!C>;13;#?!' ( 5\*%&' ( ' #0!C%#3!;#!2!@28!0=20!4!<%#4;40' #0!@;0=!0=' !)>;13;#?d4!=-;40%\*;<2!1  
3' 4;?#20;%#4!2#3!)>;13;#?!<% ( 5%# ' #04.!@=;'! !5\*%&;3;#?!>570%7320' !0' 2<=#?#2#3!1' 2\*#;#?!  
' #&,\*%# ( ' #04!2#3! ( %\*' !3>\*2)' !.4>402;#2)' !E;#;4=' 4B!L' 2<=' \*4.!402EE!2#3!E2 ( ;!;' 4!2\*' !;#&%1&' 3!  
;#!512##;#?#0%!= ' 15!5\*' 4' \*&' !0=' !>#;g>' !245' <04!E!' 2<=!4<=%%1!2#3!;04!;#0' ?\*20;%#;!#0%!0=' !  
4>\*\*\*>#3;#?!<% ( (>#;08B!

!

O2#8!5>);<!2#3!5\*;&20' !;( 5\*%&' ( ' #0!5\*%A' <04!;#<1>3' !\*' g>;\*' ( ' #04!0%!<%#40\*><0!\*' 120' 3!  
0\*2#45%\*020;%#!;( 5\*%&' ( ' #04!24!2!52\*0!%E!0=' !@%\*VB!//U!2#3!0=' !! ;08!=2&' !2?\*'' 3!0=' !! ;08!@;1!  
3' 4;?#!2#3!<%#40\*><0!2#8!\*' g>;\*' 3!0\*2#45%\*020;%#!5\*%A' <04!;#!0=' !! ;08d4!\*;?=07