



\$%D%' ('&&C&&  
\* + , - . / 0 1 - 2 / 3 1 0 4 5 . / 6 / 3 1 0 4 5 . / 7 5 - \* 8 - 2 9 . / 6 / 1 3 1 8 + 0 - 3 / 7 5 - \* 8 - 2 9 . / 1 2 8 / < - 3 + . / 6 / . = / 3 ; 1 : \* + . / 7 <  
&&%' D%' (' / ( ? ( ( @AB &&%' D%' (' & / ? ( (

4 < \* - 3 + / 6 / ( Y ( ( / 1 . . 1 5 \* = / 6 / ( Y ' ( / 1 9 9 : 1 H 1 = + 8 > ^ 2 - + / 3 \* < . + 8

1 / # @ L K / K # S L " J K K / ! K S " ! ) K B / @ A " ) V K ! / # @ L K / K # S L " J K K / V ! K @ ) K A K B / V ! # / P ! ) V / @ ) ! " P K L W

\$%Y%' ('&&(F  
\* + , - . / 0 1 - 2 / 3 1 0 4 5 . / 6 / 3 1 0 4 5 . / 7 5 - \* 8 - 2 9 . / 6 / : + . - 8 + 2 3 + / ; 1 \* \* . / 6 / 3 < 8 \ / ; 1 \* \*  
\$%Y%' ('&&(F @AB \$%Y%' ('&&(F

4 < \* - 3 + / 6 / ? & ( ( / . + : H - 3 + / < = ; + : / 1 9 + 2 3 \ / 6 / ? && \$ / 3 = \ 3 \* < . + 8

4 < \* - 3 + / 6 / ? \$ ( ( / 4 5 7 \* - 3 / 3 < 0 4 \* 1 - 2 = / 6 / ? \$ & F / 1 \* 1 : 0 / 6 - 3 \* < . + 8

! ! K / 1 ! @ ! # / T @ O M K B / R J / @ / M J M ) K # / # @ L Q O A T ) ! " A W

\$%?' ('&&' (D  
\* + , - . / 0 1 - 2 / 3 1 0 4 5 . / 6 / 3 1 0 4 5 . / 7 5 - \* 8 - 2 9 . / 6 / 1 3 1 8 + 0 - 3 / 7 5 - \* 8 - 2 9 . / 1 2 8 / < - 3 + . / 6 / 8 + / \* 1 / . 1 \* \* + / 3 +  
' % & ? % ' ( ' & / ( ( ( ( @AB \$ % ? % ' ( ' & / ( ( ( (

4 < \* - 3 + / 6 / ? \$ ( ( / 4 5 7 \* - 3 / 3 < 0 4 \* 1 - 2 = / 6 / ? \$ F D / 8 - . 4 5 = + / 6 : 3 \* < . + 8

1 / Q K # @ L K / ! K M B K A ) / M ) O B K A ) ! K S " ! ) K B / V @ ) / @ A " ) V K ! / Q K # @ L K / ! K M B K A ) / M ) O B K A ) V @ M / R K K A / T @ L L I A U / V K ! / @ / d L I @ ! W c / : K Q K ! ! K B ) " / . ) O B K A ) / 3 " A B O T ) W

\$%C%' ('&/(((  
\* + , - . / 0 1 - 2 / 3 1 0 4 5 . / 6 / 3 1 0 4 5 . / 7 5 - \* 8 - 2 9 . / 6 / : + . - 8 + 2 3 + / ; 1 \* \* . / 6 / 4 < 4 + / X < ; 2 / 4 1 5 \* / - / ; 1 \* \*  
C % & % ' ( ' / ( ( ( ( @AB && % & Y % ' ( ' / ( ( ( (

4 < \* - 3 + / 6 / ? \$ ( ( / 4 5 7 \* - 3 / 3 < 0 4 \* 1 - 2 = / 6 / ? \$ \$ D / . 5 . 4 - 3 - < ! 3 \* < . + 8

1 / Q K # @ L K / ! K M B K A ) / M ) O B K A ) ! K S " ! ) K B / " A > U " I A U / S V J M T @ L T " A ) @ T ) / Q ! " # / @ / # @ L K / M ) O B K A ) / M V K / P @ M / B @ ) I A U / P V I T V / K a T K K B K B / V K ! / R " O A B @ ! I K M I / 1 A / I A ] K M ) I U @ ) " A / B K ) K ! # I A K B ) V K ! K / P @ M / A " T ! I # I A @ L J @ T ) ] I I J I I / : K Q K ! ! K B ) " / M ) O B K A ) / T " A B O T ) W

\$%C%' ('&/&D((  
\* + , - . / 0 1 - 2 / 3 1 0 4 5 . / 6 / 3 1 0 4 5 . / 7 5 - \* 8 - 2 9 . / 6 / 1 3 1 8 + 0 - 3 / 7 5 - \* 8 - 2 9 . / 1 2 8 / < - 3 + . / 6 / \* + 1 : 2 - 2 9 / : + . <  
\$%C%' ('&/&D(( @AB \$%C%' ('&/&D((

4 < \* - 3 + / 6 / ? \$ ( ( / - 2 = + : + : + 2 3 + / , - = ; / 4 5 7 \* - 3 / < - 3 + 3 \* < . + 8

1 / Q K # @ L K / ! K M B K A ) / M ) O B K A ) ! K Q O M K B / A O # K ! " O M ! K d O K M ) M / Q ! " # / S " L I T K / @ A B / M ) @ Q Q / " / S O ) " A / @ / # @ M [ I I / : K Q K ! ! K B ) " / M ) O B K A ) / T " A B O T ) W

\$%C%' ('&/&E\$F  
\* + , - . / 0 1 - 2 / 3 1 0 4 5 . / 6 / 3 1 0 4 5 . / 4 1 : ^ - 2 9 / \* < = . / 6 / . 7 / \* < = . / 6 / \* < = / . 7 Y / > / : + . - 8 + 2 = .  
\$%C%' ('&/&E\$F @AB \$%C%' ('&/&E\$F

4 < \* - 3 + / 6 / & E ( ( / 3 1 2 2 1 7 - . / 3 < 2 = : < \* / 1 3 = / 6 / & E && / 4 < . . 3 \* < . + 8

4 < \* - 3 + / 6 / ' & F ( / 8 : 5 9 / 4 1 : 1 4 ; + : 2 1 \* - 1 / 1 3 = / 6 / ' & ? & / 4 < 3 \* < . + 8

1 / # @ L K / @ A B / Q K # @ L K / ! K M B K A ) / M ) O B K A ) / P K ! K / M # " [ I A U / T @ A A @ R I M / I A M I B K / @ / ] K V I T I K

4<\*-3+6/'D(/0<=<:/H+;-3\*+6/'DDY/;-=/128/:52 3\*<.+8  
4<\*-3+6/??Y(/133-8+2=6/??Y\$/2</-2X5:\ 3\*<.+8

3"# #0)K!(M)OBKA)!KS"! )KB/V@/OA[A"PA/]KVITLK/V\)/VK!/S@[KB/]KVITLK/A/\*"/.W

\$%(' '&/' (&\$  
\*+ , -. /01-2/31045 ./6/31045 ./75-\*8-29 ./6/:+.-8+23+;/1\*\* ./6/. ;+\*/;1\*\*  
\$%(' '&/' (&Y @AB \$%(' '&/' (&Y

4<\*-3+6/6\$ (/3:-0-21\*81019+/128/=:+.41..6/ 3\*<.+8

5A[A"PA/MOR\_KT)GMI/B@#@UKB/S" "L/TOK/M)NT[W

\$%(' '&/' (&\$&Y  
\*+ , -. /01-2/31045 ./6/31045 ./75-\*8-29 ./6/:+.-8+23+;/1\*\* ./6/0<=;+:/=+:+.1/;1\*\*  
\$%(' '&/' (&\$\$( @AB \$%(' '&/' (&?DD

4<\*-3+6/6(D(/71==+:\6/(DEF/8<0+.-=3/71==+:\ 3\*<.+8

1/' (/JK@!/"LB/# @LKM!KMBKA)/M)OBKA)/P@M/!!KM)KB/@Q)K!/R@)K!AU/VNM/UN!Q!NKABb/@&C/JK@!/"LB/QK# @LK!KMBKA)/M)OBKA)W  
<QQKABK!/P@M)!@AMQK!!KB/)VK/ , NL/3"OA)J/1BOL/8K)KA)W/A/3KA)K!W

\$%(' '&/' (&D\$C  
\*+ , -. /01-2/31045 ./6/31045 ./75-\*8-29 ./6/:+.-8+23+;/1\*\* ./6/0<=;+:/=+:+.1/;1\*\*/0=>(\$(/3  
\$%(' '&/' (&D( @AB \$%(' '&/' (&D\$C

4<\*-3+6/6?Y(/0+2=1\*/;+1\*=-;6/?YD&/8+.4<28+2= 3\*<.+8

K# @LK/M)OBKA)/# @BK/MOITB@L/M)K#KA)M)/@/T"OAMK!"!/@AB/P@M]"LOA)@!NJ)!@AMS"! )KB/]@/@ #ROL@ATK)" /)VK/V"MS\)/L  
Q"!/@A/MMMKA)KA)W

\$%Y%' (' &&Y  
\*+ , -. /01-2/31045 ./6/31045 ./75-\*8-29 ./6/1318+0-3/75-\*8-29 ./128/< -3+./6/\*+ , -. /0+0<:-'  
\$%Y%' (' &&Y @AB \$%Y%' (' &&Y

4<\*-3+6/6?\$( /457\*-3/3<04\*1-2=6/?\$\$'/.5.4-3-<! 3\*<.+8

1/# @LK/MOR\_KT)/@SS!"@TVKB/@/S" LITK/"QQTK!/@TTOM/AU)/VK/"QQTK!/"Q/A")/@LL" P/AU)/VK/# @LK b/@/Q"! #K!(M)OBKA)b)/@TTKMM/@/  
T"#SO)K!/A)/VK/LIR!@!J)KA/JK@!M/@U"W

\$%F%' (' &&YY?  
\*+ , -. /01-2/31045 ./6/31045 ./75-\*8-29 ./6/1318+0-3/75-\*8-29 ./128/< -3+./6/. =/3;1:\*+./7<  
\$%F%' (' &&((( @AB \$%F%' (' &&YY?

4<\*-3+6/6\$ (/3:-0-21\*81019+/128/=:+.41..6/ 3\*<.+8

4@dOK/A/T"# # "A/@!K@/V@LLP@J/P@M/B@#@UKB/RJ/OA[A"PA/MOR\_KT)GMIW

\$%?%' (' &&&&  
\*+ , -. /01-2/31045 ./6/31045 ./75-\*8-29 ./6/1318+0-3/75-\*8-29 ./128/< -3+./6/\*+1:2-29/:+.<  
\$%?%' (' &&&& @AB \$%?%' (' &&&&Y

4<\*-3+6/6?' (/457\*-3/.+ :H-3+6/?' ' (-2 <: 01=-<? 3\*<.+8

1/QK# @LK/U!@BO@)K(M)OBKA)!KQOMKB/AO#K!"OM!KdOKM)/"PK@!/@/# @M[/PV/LK/A)/VK/LIR!@!J/W. VK/P@M!KQK!!KB)/"M)OBKA)/  
T"ABOT)W

\$%&E%' ('&/C&'

\*+ , -. /< /31045 . /<= ; + :  
\$%&?%' ('&/'\$ ( @AB \$%&E%' ('&/&&'C

4 < \* - 3 + / 6 ? Y ( ( / 0 + 2 = 1 \* / ; + 1 \* = ; / 6 ? Y D & / 8 + . 4 < 2 8 + 2 = 3 \* < . + 8

<QQ\TK!M/L "T@)KB/@/QK # @LK!KMBKA)/M)OBKA)/PV"/P@M/T"A)K#S!@)NAU/MO\TBK // . VK/P@M)!@AMS"!KB/) /)VK/V"MSI)@L/Q"! /  
@MMKMM#KA)!!

\$%&E%' ('&/&(&\$

\*+ , -. /< /31045 .  
\$%&?%' ('&/'\$(F @AB \$%&?%' ('&/'\$(F

4 < \* - 3 + / 6 ? ' ( ( / 4 5 7 \* - 3 / . + : H - 3 + / 6 ? ' ' ( / - 2 < : 0 1 = - < : 3 \* < . + 8

1/# @LK!KMBKA)/M)OBKA)/P@M/V"MSI)@L\KB/@/Q)K!RK\AU/R@)K!KB/@/R@! /A/X"LK)!!

\$%&E%' ('&/&' 'F

\*+ , -. /01-2/31045 . /<31045 . / : < 18 . /<52-H+ : . = \ / 4 1 : ^ , 1 \ / + 1 . = 7 < 5 2 8  
\$%&E%' ('&/&' 'D @AB \$%&E%' ('&/&' 'D

4 < \* - 3 + / 6 ? ? Y ( / 1 3 3 - 8 + 2 = / 6 ? ? Y \$ / 2 < / - 2 X 5 : \ 3 \* < . + 8

1/QK # @LK/M)OBKA)/L "M)/T"A)! "L"Q/VK!/JKVITLK/@AB/T"LBKB/P)I)V/@/LNUV)/S"LK//2 " /A\_O!NKMI

\$%'&' ('&/&' &Y

\*+ , -. /01-2/31045 . /<31045 . /75-\*8-29 . /< : + . - 8 + 2 3 + / ; 1 \* \* . /<\* 1 . 1 \* \* + / ; < 5 . +  
\$%'&' ('&/&' ( ( @AB \$%'&' ('&/&' \$'

4 < \* - 3 + / 6 ? ' ( ( / 4 5 7 \* - 3 / . + : H - 3 + / 6 ? ' Y ( / 4 + : . < 2 / 8 < , 3 \* < . + 8  
4 < \* - 3 + / 6 ? E ( ( / 8 + 4 1 : = 0 + 2 = 1 \* / . + : H - 3 + . % 1 3 = - H = - + 3 \* < . + 8

1/?F/JK@!/ "LB/3V!NM)@A/7!" )VK!Q/KL/A/VMM!" " # / @AB/P@M)!@AMS"!KB/) /)VK/V"MSI)@L/]@/ @ # RO@ATK!!

\$%'&' ('&/&C&F

\*+ , -. /01-2/31045 . /<31045 . /75-\*8-29 . /<1318+0-3/75-\*8-29 . /128/< -3+ . /<. = / 3 ; 1 : \* + . / 7 <  
\$%'&' ('&/&C&Y @AB \$%'&' ('&/&C&F

4 < \* - 3 + / 6 ? & ( ( / . + : H - 3 + / < = ; + : / 1 9 + 2 3 \ / 6 ? && \$ / 3 = \ 3 \* < . + 8  
4 < \* - 3 + / 6 ? \$ ( ( / 4 5 7 \* - 3 / 3 < 0 4 \* 1 - 2 = / 6 ? \$ \$ D / 1 \* 1 : 0 / G - 3 \* < . + 8

!!K/@L@! # /BOK)"/RO!AKB/Q" "B!

\$%'%' ('&/&(YY

\*+ , -. /01-2/31045 . /<31045 . /75-\*8-29 . /<1318+0-3/75-\*8-29 . /128/< -3+ . /<7X9/ . = 5 8 + 2 = / 3  
'%?' ('&/&((& @AB '%?E%' ('&/'\$YC

4 < \* - 3 + / 6 ? \$ ( ( / 4 5 7 \* - 3 / 3 < 0 4 \* 1 - 2 = / 6 ? \$ \$ D / . 5 . 4 - 3 - < ! 3 \* < . + 8

1/Q"! # K!M)OBKA)/MKA)/@/MOMS\T\ "OM/K # @NL)"/@/\*KPI\K#S!"JKK!!

\$%'D%' ('&/&(?'F

\*+ , -. /01-2/31045 . /<31045 . /75-\*8-29 . /<1318+0-3/75-\*8-29 . /128/< -3+ . /<\*/+ , -. / 0 + 0 < : - '  
\$%'D%' ('&/&&\$ ( @AB \$%'D%' ('&/&(?'D

4 < \* - 3 + / 6 ? && ( ( / 8 + 3 + 4 = - H + / 4 : 1 3 = - 3 + / 6 ? && C ( / 1 = = + 0 4 3 \* < . + 8



\$%'F%'('&/('E'\$

\*+ , - . / < /31045 . /<= ; + :  
\$%&%(' '&/(((& @AB \$%'\$%' (' '&Y\$&

$$4 < * - 3 + / 6 / ' E ( / 8 - . < : 8 + : * \sqrt{3} < 2853 = / 6 / ' E ' F / ; 1 : 1 . 3 * < . + 8$$

1/Q@TOL)J/#K#RK!/!KS"! )KB/VK!/KM)!@AUKB/VOMR@AB/P@M/S" M)\AU/SK!M"A@L/AQ"!# @)\ "A/"A/\*KP\MM/M"TI@L/#KB\@/SL@)Q"!#M\|  
"LL" P\AU/@A/A]KM)\U@)\ "A/\)/P@M/BK)K!# \AKB/VK/"QQKABK!/!KM\BKM/A/2KP/fK@L@AB \/\*548/T"LL@R"!@)KB/P\))V/-A)K!S"l/@AB/  
)VK/T@MK/P@M!KQK!KB/)VK#Q"!QO!)VK!/A]KM)\U@)\ "A\|

\$%'F%'('&' '\$\$

\*+ , - . / 0 1 - 2 / 3 1 0 4 5 . / 3 1 0 4 5 . / 7 5 - \* 8 - 2 9 . / 1 3 1 8 + 0 - 3 / 7 5 - \* 8 - 2 9 . / 1 2 8 / < - 3 + . / 6 . = / 3 ; 1 : \* + . / 7 <  
\$%'F%'('&' '\$\$ @AB \$%'F%'('&' '\$\$

$$4 < * - 3 + / 6 / ? \$ ( ( / 4 5 7 * - 3 / 3 < 0 4 * 1 - 2 = / 6 / ? \$ \$ ' / . 5 . 4 - 3 - < ! 3 * < . + 8$$

1A/A)"a\T@)KB/QK#@L/MOR\_KT)b/A")/@QQ\N\@)KB/P\))V/\*KP\MMb/P@ABK!KB/A")/VK/.)\|/3V@LKM/7"!!"#K"/3KA)K!L" "[\AU/Q"!/@/  
)K\KSV"AK\/\*548/"QQ\TK!M@MM\MM)KB/VK!/A/@!!@AU\AU/@/)\a\!\NBK/V"#K\|

\$%'?%'('&/(? 'Y

\*+ , - . / 0 1 - 2 / 3 1 0 4 5 . / 3 1 0 4 5 . / 7 5 - \* 8 - 2 9 . / : + . - 8 + 2 3 + / ; 1 \* \* . / 6 / 0 < = ; + : / = + : + . 1 / ; 1 \* \*  
\$%'?%'('&/(? 'Y @AB \$%'?%'('&/(?DY

$$4 < * - 3 + / 6 / ? \$ ( ( / . + : H - 3 + / < = ; + : / 1 9 + 2 3 \ / 6 / ? \&\&\$ / 3 = \ 3 * < . + 8$$

$$4 < * - 3 + / 6 / ? \$ ( ( / 4 5 7 * - 3 / 3 < 0 4 * 1 - 2 = / 6 / ? \$ \&F / 1 * 1 : 0 / G - 3 * < . + 8$$

!!K]2"EG