



!'#\$%&'!3'(%0)A!2\$+,#/ '&!B'' 3 2 C!!

MKF&!8:))#88I:,:)FAK,#H%F&!FI!H\*%8!)F:C8#>!8H:;#&H8!G%,,!L#!=L,#!HF?!

/6 V' +/?!R;#&H%I(!H\*#!\*%8HFC%)=,!=&;!K\*%,F8FK\*%)=,!:&;#CK%&&%&J8!IFC!%&H#C&=H%F&=,>!&=H%F&=,!  
=&;!,F)=,!\*:A=&!C%J\*H86!

D6 V' +D?!OQK,=%&!H\*#!)\*=, #&J#8!FI!K:HH%&J!\*:A=&!C%J\*H8!#;%)H8!=&;!KF,%)#8!%&HF!)=)H%F&6!

@6 V' +@?!W#8)C%L#!\*%8HFC%)=,!=&;!K\*%,F8FK\*%)=,!\$%F,=H%F&8!FI!\*:A=&!C%J\*H8!%&!H\*#!M&%H#;!  
EH=H#8!=&;!G\*(!H\*#!(\*=\$#!F)):CC#;6!

U6 V' +U?!X=A#!H\*#!\*%8HFC%)=,!#&#&H8!=&;!H\*#!8:L8#Y:#&H!C#)=)H%F&8!ICFA!8F)%,!)=)HFC8!H\*#=H!  
\*=\$#!,#;!HF!H\*#!J!C#=#H!C!C#)FJ&%H%F&!=&;!#8H=L,%8\*A#&H!FI!\*:A=&!C%J\*H86!

.6 V' +.?!' &FG!\*FG!%&H#C&=H%F&=,!LF;%#8!\*=\$#!C#)=)H#;!HF!\*:A=&!C%J\*H8!\$%F,=H%F&8!%&!  
;#\$#,FK%&J!)F:&HC%#8!=&;!I%8H5GFC;;!&=H%F&86!

Z66!!V' +Z?!W%8):88!H\*#!\*:A=&!C%J\*H8!,&=;8)=K#!FI!HF;=(!=&;!\*FG!%H!)=; \*#C#8!HF!H\*#!FC%J%&=,!  
)F&)#KH8!FI!\*:A=&!C%J\*H86!

26 V' +2?! [KKC=%8#!\*FG!\*:A=&!C%J\*H8!\$%F,=H%F&8!FI!H\*#!K=8H!\*=\$#!,#;!HF!)=)C%8%8!FI!\*:A=&!  
C%J\*H8!%&!HF;=(\8!AF8H!\$%F,#&H!8F)##H%#86!

46 V' 04?!OQK,FC#!H\*#!AFH%\$#8!IFC!\*:A=&!C%J\*H8!\$%F,=H%F&8!=&;!H\*#!K8()\*F,FJ%)=,!%AK=)H!  
\$%F,=H%F&8!&F!F&,(!\*\$=\$#!F&!FKKC#88FC8!L:H!)=,8F!H\*#!C!\$%)H%A86!

36 V' +3?!B##,!G\*=#H!%H\8!,%T#!HF!#Q=A%&#!=&!%88:#!=&;!;!#C%\$#!=!K,=&!FI!)=)H%F&!HF!)=; ;C#88!!=!  
\*:A=&!C%J\*H8!\$%F,=H%F&!FC!KCFL,#A6!

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D'E\$0%'\*!4'F+&<D'(\*0)A&!!



=&!K#C8F&=, (6!VF&8#Y : #&H, (>!)FAK,##H#!=88%J&A#&H8!F!H% A#!=&!8HC#H)\*!(F:C!A%&;6!RI!(F:!  
#QK#)H!HF!8,%;#>!(F:G%,!I=%,!H\*#!),=88>!H\*#!A=9FC>H\*#!8)\*FF,>!=&!AF8H,(>!(F:C8#,I6!RI!(F:!=C#!  
: &KC#K=C#; !IFC!8: )\*!=!)\*=, #&J#>!K, #=8#H=T#!=&FH\*#C!),=88!FC!=&FH\*#C!%&8HC: )HFC6!

8T / (05!M#50, ;!!

B##, !IC##!HF!#5A=%, !H\*#!%&8HC: )HFC!=H!=&(!H% A#!-R!)\*)T!FIH#&1f!\*FG#\$#C>!K, #=8#!=; \*#C#!HF!H\*#!#5A=%, !  
J: %; #, %&#8!L#, FG?!

/6 P, #=8#!%&), : ; #!%&!H\*#!g8: L9#)H!, %&#h!H\*#!)F: C8#!&: AL#C>!(F:C!&=A#>!=&!>8K#)%I%)!  
; #8)C%KH%F&!FI!(F:C!%&Y: %C(!FC!)FAA#&H!-#6J6!eE/ .D>!bF:C!X=A#>!=&!>8: L9#)H16!<\*#!  
%&8HC: )HFC! I 055!)#>C#8KF&; !HF!g)#!&\$NU', +h!#5A=%, 8>FC!=&(!#5A=%, !G\*#C#H\*#!8H: ; #&H!%8!&FH!  
% ; #&H%I%#; !%&!#%H\*#C!H\*#!8: L9#)H!, %&#!FC!LF; (!FI!H\*#!#5A=%, 6!  
D6 [ &(!#5A=%, #; !=88%J&A#&H8!A: 8H!L#!8#&H!%&!F&#!FI!H\*#!IF, FG%&J!IFCA=H8!=8!=!8#K=C=H#!  
=H#)=\*A#&H?!)c%)CF8FIH! ] FC; !-i6; F)FC!i6; F)Q1>!c%)CF8FIH! ] FCT8!-i6GK8!>FC!%&C%)\*!H#QH!  
IFCA=H!-i6CH!6!P, #=8#!\*#!)#!)FK(!=&!K=8H#!=&(!=88%J&A#&H8!%&HF!=&!#5A=%, >H\*#!(G%, !&FH!  
L#!=)##KH#; 6! [ , G=(8!C#H=%&!>!)FK(!FI!=&(!#5A=%, !G%H\*#!=&!>88%J&A#&H!>H#)=\*#; !=8!KCFFI!FI!  
8: LA%88%F&6! [ , !=88%J&A#&H8!G%, , !L#!8: LA%H#; !F&!)=&\$=8!: &, #88!%&8HC: )HFC!J%\$#8!FH\*#C!  
%&8HC: )H%F&8!

!!

8&'6%!	9)(#8!	9%&7%#\$/%!
5! : *, I!	!!	; <%&!>> ?!
5!	!!	@A!\$)!@B ?!
5! - (#, I!	!!	@>!\$)!@C ?!
D! : *, I!	!!	EF!\$)!E@! ?!
D!	!!	EA!\$)!EB ?!
D! - (#, I!	!!	E>!\$)!EC ?!
G! : *, I!	!!	HF!\$)!H@ ?!
G!	!!	HA!\$)!HB ?!
G! - (#, I!	!!	H>!\$)!HC ?!

!!

! '#\$%&'#() \*+, -#.#%'\*

P#C!M&%\$#C8%H(!PF,%)(!j>!: &%\$#C8%H(5G%; #!KF,%)(!%IFCA=H%F&!C#, #F=&H!HF!=, ,!)F:C8#8!8: )\*!=8!  
(=); #A%)!%&H#JC%H(>=))FAAF; =H%F&8>!H#)6!G%, , !L#!=\$=, =L, #!F&!+II%)#!FI!NC=; : =H#!=&; !  
M&; #CJC=; : =H#!PCFJC=A8!\E(., =L: 8!R&IFCA=H%F&!G#L!K=J#!=H!  
\*H#K?SSGGG6898: 6#; : SJ: KS8(., =L: 8%&IFMSh!

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! "#"\$%&' ( ) \* "+, % , - . # / 0 ' 1 - 2 3 , / ' % # 4 ' 1 ' / \* . # / - 5 - & - , - ' / ' . 6 ' , 3 ' ' 7 , 8 4 ' ' # , ' ,

[ 8!A#AL#C8!FI!H\*#!)=;#A%)!)FAA : &%H(>!8H : ;#&H8!)=) )#KH!LFH\*!H\*#!C%J\*H8! =& ;!C#8KF&8%L%,%H%#8!  
%&) : AL#&H! : KF&! = , , !A#AL#C8!FI!H\*#!%&8H%H : H%F&6!EH : ;#&H8!=C#!#&)F : C=J# ; !HF!I=A%,%=C%a#!  
H\*#A8#,\$#8!G%H\*!EeEM\8!KF,%)%#8! =& ; !KC=)H%)#8!K#CH=%&&J!HF!H\*#!KCF)# ; ; C#8!HF!IF,,FG!%I! =& ; !G\*#&!  
Y : #8H%F&8!FC!)F&)#C&8!=LF : H! = !), =88!=C%8#6!E###!M&%\$#C8%H(!PF,%)(!E30k. !=H!  
\*HHK?SSGGG6898 : 6# ; ; S8#&=H#S ; F)8SE305 . 6K ; I6! c FC#! ; #H=%, # ; !%&IFCA=H%F&!F&!=\$=C%#H(!FI!C#, =H# ; !  
HFk%)8!8!=\$=%, =L, #!%&!H\*#!EeEM!) = H = , FJ>! = H! \*HHK?SS&IF6898 : 6# ; ; SG#L5 ; LJ#&S&=CCS) = H = , FJSC#)5  
/DD@U6/D . OZ6\*HA,6!R&!J#&#C=,>!%H!%8!C#)FAA#& ; # ; !H\* = H!8H : ; #&H8!L#J%&!L(!8##T%&J!), =C%I%) = H%F&!FC!  
; %8) : 88%&J!)F&)#C&8!G%H\*!H\*#!C!%&8HC : )HFC6!!



/6/ ! \* 8 &#('4\*7%'(%&\*

<#EeEM! ] C%&J!V#&H#C!%8!,F)=H#; !%&!V,=CT!\_ =, >!E: %H#! /DZ6! [ ,,! ] C%&J!EK#)%=,%8H8!\*=\$#!JF&#!  
H\*CF: J\*!=!C%JFCF: 8!\*%C%&J!KCF)#88>! =& ; !H\*#( !=C#!G#,, !HC=%&#; !HF!=88%8H! =,, !8H: ; #&H8!=H! =,, !, # \$ #, 8!  
G%H\*%&! =,, !; %8)%K, %&#8!HF!L#)FA#!L#H#C!G%#C86!R&! =; ; %HF&!HF!F&#5F&5F&#H: HFC%&J!8#C\$%)#8>!H\*#!  
] C%&J!V#&H#C!=, 8F!FII#C8!GFCT8\*FK8!#\$#C( !8#A#8#C!F&!=\$=C%#H( !FI!G%#H%&J!HF%K%)86!<F!A=T#!=&!  
=KKF%&HA#&H!FC!HF!C#!H#C!HF!H\*#!& : A#CF: 8!F&, %&#!C#8F: C)#8!FII#C#; !H\*CF: J\*!H\*#! ] C%&J!V#&H#C!  
\$%8%H!H\*#!  ] C%&J!V#&H#C!G#L8%#H# ! =H!\*H#K?SSGGG6898: 6#; ; SG%#H%&J)#&H#C6!BFC! =; ; %HF&=, !C#8F: C)#8!  
=& ; !: K; =H#; !%&IFCA=H%F&>!F, FG!H\*#! ] C%&J!V#&H#C!F&!<G%#H#C! =& ; !L#)FA#! =!I=&!FI!H\*#!EeEM!  
] C%&J!V#&H#C!F&!B=)#LFFT6!-XFH#?! b F: !&##; !HF!\*=\$#! =! o ` ! ` # =; #C!HF!8)=&!H\*%8!)F; #61!!!

/6/ ! \* 7 , 0'''% - #'4\* / %&\$# . % '\*

23% /6/ ! \* 7 , 0'''% - #'4\* / %&\$# . % '\*# '\* - , .9(%1\* , '\* (3% . , &'%'& , : \* ; \*  
/ (&%% (\*9''1\* / 9'''<%&'9''1 , \* / (&%% (= #' '\* 5 , , > \* ? @A = \*  
B1 > #' #' (&9( # , '\*C0#-1#''4D\*\* + & , : % ' '# , '9-\*E') .3 , - , 4# (' = \* ' , .#9-\*  
F , &G%&' = \*9''1\* . , 0'''% - , &'\*9%&'9\$9#-9H-%\*( , \*E& , \$#1%\*  
. , '''0-(9( # , ''' , '\*#''0%' \* , : \*' (01%' (\* > %'' (9-\*3%9-(3-\* .9 > E0''\*  
. - # > 9(%\* , &'E') .3 , - , 4# .9-\*9''1\*9.91% > # . \*#''0%' \* , '''9'''  
#''1#\$#109=-\* . , 0E-%=\* , &\*4& , 0E\*H9'#'D\*\*2 , \*' .3%10-%\*9'''  
9EE , #' (> %'' (\* , &\*-%9&' \* > , &%\*#'' : , & > 9( # , '' = \* \$ '# (# 7 , 0'''% - #'4\*  
 / %&\$# . % '\*F%H'#(%\*9(\*3((EIJFFFD'K'0D%10J. , 0'''% - #'4D\*

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?>!PQ<(-) + % # \* \$ , + 0 # ) ! + # ! 9 \$ / ( ) ! D0A7 + & R ! H % 0 \* ( ; ! V1WXTOP10Q!

Y '' S! : ( + ' ! 4 # 6 0 , & R ! ( & & 0 A ) / ' ) + & ! ( ) \* ! % ' ( \* 0 ) A &





