

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

\_, (! 7 !)\*IE'\*\$)L!\*0'! 7 !/ , ; 2, \$'\*\$!%)!95 e !, -!\*0'!3(:E'L!:\$E!' :/0!')): +!%)! J, (\*0!"Th> e !, -!  
+, I(13(:E'#!RO'!-%\$:M! 7 !2:2'(!%):22(, P% ; :\* 'M+!">!2:3' )L!J %\*0!%)\$(I/%, \$)!2(, &%E'E! :!\*0'!

X-! +, I! 0:&'! :! E%):0%%\*+! -, (! JO%/O! +, I! ; :+! ('fI')\*! :\$! :/:E' ; %/!  
://, ; ; ,E: \*%, \$L!+, I!:(('!'\$/ , I(:3'E!\* , !/, \$\*:/!\* ; '!: \$E!\*O'!://'))!/, , (E\$:\* , (!-, (!+, I(!)/O, ,M!\* ,!  
' ):0M%)O!' M%3%0%%\*+!-, (!:/:E' ; %/!://, ; ; ,E: \*%, \$)!^2M':)')' '!!  
0\*\*2)8][J J J H(, /O')\*(H'EI[E%):0%%\*+])\*IE'\$\*)H0\* ; M^H!  
!  
X-!:\$+!, -!\*O')'!2, M%/%)!:(('!I\$/M':(!, (!%-!\*O'('!:(('!, \*O'(!('M'&:\$\*!E'\*:%M)!-, (!+, I(!)%\*I: \*%, \$L!2M':)')'  
/, \$\*:/!\* ; '!) , , \$'(!

\_ 'O(I:(+!T!:\$E!VII!

O:&'!\* ,! J%\$!M:(3'! ; :F,(%\*'')! %\$! ,(E'(!\* ,!3,&'(\$! JO%M'! . '2IOM%/:\$)!E,\$N\*!\$' 'E!  
; :F,(%\*'')! :!\*:MM1!I&R3=O&).4!&\*O.H! [ &:%M:OM'!:\*!

[0\\*\\*2\)8\]~%&'\\*O%\(\\*+'%30\\*H/, ; \]-':\\*I\('\):E&:\\$\\*:3'a3,2\]H!](#)

- Y:EEL!@,\$:\*O:\$! 6 H!45"VH!kRO'!1 '\$:\*'!)!;! ; I/O!O%33'(!2(,OM' ; !\*O:\$!O'!dM'/\*,( :M!  
S,MM'3'H1!D#BH! [ &:%M:OM'!:\*

[0\\*\\*2\)8\]J J J H&,PH/, ; \] ; %\)/O%'-\)a,-a-:/\\*%,\\$\]45"V\]=|V|"U955T=V\]\)'\\$:\\*'a2\(,OM' ; a  
'M'/\\*,\( :Ma/,MM'3'H!!](#)

- X\$0,-'L!@% ; !:\$E!R('\$\*!d\$3M:\$EH!454"H!kRO'!#%\$fI'M+!c:\$3'(,I)!6 ,&' ; '\$\*!\*,!d\$E!  
\*O'!dM'/\*,( :M!S,MM'3'H1!V/.&#\$/9'A3R&3>H! [ &:%M:OM'!:\*!!

[0\\*\\*2\)8\]J J J H\\$:%,\\$:M\('&%' JH/, ; \]454"|"4\]\\*O'aI\\$%fI'M+aE:\\$3'\(,I\)a ; ,&' ; '\\$\\*a\\*,a  
'\\$Ea\\*O'a'M'/\\*,\( :Ma/,MM'3'\]!](#)

- Q,(AL!@,0\$H!45"VH!k

\_)OA%\$!@,) '20!:\$E!c:&%E!dH!?,\'\$H!k[ ]+; ; '\*(%/!S,\$)%\*I%,\$:M!C:(EO:MM51' [ &:%M:OM'!: \*!  
0\*\*2)8]//,MI;O%M:J('&% 'JH,(3)/\*\$\*\$!:) +; ; '\*(%/a/,)\$)\*I%,\$:MaO:(EO:MMH)!

K'(\$)\*%\$!c:&%E!dH!kS,\$)%\*I%,\$:M!C:(EO:MM!Q')L[ ]+; ; '\*(%/!W,\*1,!6I/OH1! [ &:%M:OM'!  
:\*! 0\*\*2)8]//,MI;O%M:J('&% 'JH,(3)/\*\$\*\$!/,)\$)\*I%,\$:MaO:(EO:MMa+'a:)+; ; '\*(%/a\$,\*a),a  
;I/O]H!!

10I3'(:;\$! @'E! C:\$E'M);:\$H! kS,\$)%\*I%,\$:M! C:(EO:MM! &)H! K':\$O:MM8! XE'\$%\$-+-%\$3!  
\_I\$E:; '\$\*:MM+! [ \$\*E' ; ,/(:%%/!R:/%//)H1! [ &:%M:OM'!: \*!

0\*\*2)8]//,MI;O%M:J('&% 'JH,(3)/\*\$\*\$!O:(EO:MMa&a)O':\$O:MMa%E'\$%\$-+-%\$3a-I\$E:; '\$\*:MM+a  
:\$\*E' ; ,/(:%%/a\*:/%//)H!!

\_)OA%\$!@,) '20!:\$E!c:&%E!dH!?,\'\$H!kd&:MI:%\$3!S,\$)%\*I%,\$:M!C:(EO:MM8!RJ ,!\_ :MM:/%)!  
:\$E!:! . ')':(/O [ 3'\$E:H1! [ &:%M:OM'!: \*!0\*\*2)8]//,MI;O%M:J('&% 'JH,(3)/\*\$\*\$!&:MI:%\$3a  
/,)\$)\*I%,\$:MaO:(EO:MMa\*J ,a-:MM:/%)a:\$Ea:a('):/Oa:3'\$E: ]H!!

!

[ 2(%M!44H!\_ %\$:M! 7 !2:2')!EI '!O+! ; %E\$%30\*!

!

[ 2(%M!"9L!"UL!45L!4>H!dM'/\*,( :M!/,MM'3'!-:MI(')L!\*O'!4545!'M'/\*%,\$L!:\$E!O'+,\$E!

. ':E%\$3!fI')%,\$)8! 7O+!J:!)! \*O'!dM'/\*,( :M!S,MM'3'!/( : '\*E!:\$E!JO+!E,')!%\*!)\*MM!'P%)\*h! 7O:\*!  
)2'/%-!-M:J)!%\$!O'!dM'/\*,( :M!S,MM'3'!O:&!/, \$\*(%OI\*'E!\*,\$':(!; 'M\*E,J\$)!%\$!O'!2:)\*h! 7O+!( '!  
\*O')!)\*MM!/, \$/'(\$)!:\*!2(')'\$\*h!!

dEJ:(E)l!Z',(3'!S!H!45" "H!N04'.03'!93".#)/9'C#993\*3'&+'K/2',#);%3)&"/j'SO)H!"L!4L!>H!

i'+)):(L! [M'P:\$E'(H!4545H!N04' - #'N3'F.&99'@/R3'.03'!93".#)/9'C#993\*3L'X\$\*(,EI/%,\$!  
:\$E!S,\$/MI)%,\$H!

\_ ,M'+L!dEJ:(E!KH!45"DH'K/99#. 'K/..93+?'=03'@&+.#)4'#, '- &+18.32'!93".&#\$+'&\$'.03'E\$.32'  
F./3+H!S0)H!>!: \$E!" "H!

Y'&%\*)A+L!1\*'&'\$!:\$E!c:\$% 'M!o%OM:\*H!454" "H!kR0'!K%33')!R0(':\*!\* ,!c' ; ,/( : /+!X)!\*O'!ZB?!  
1\*' :M%\$3!\*O'!W'P'dM'/\*%,\$H1!=03';.9/\$.&'H!

B\*O'!(('/ '\$\*! ; 'E% :2% ' /')!RKcH!

!

\_ %\$:M!'P: ; 8!d):+)m9!:\$E!m=EI(%\$3!I\$&'( )%\*+a)/O'EIM'E!-%\$:M!'P: ; !OM ,/L!E:\*'!RKc!

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1\*IE'\$\*)!\$(,MM'E!%\$!O'!7!)'/\*%,\$!,-!\*O'!/ ,I()!'J%MM!/, ; 2M\*'!\*O'!-,MM ,J%\$3!:) )%3\$ ; '\$\*H!Q, I!J%MM!  
/O, ,)!' , \$!' #H1H!) \*:\*!' ^, (!:!\*'((% , (+! , (! cHSH!' ,!) \*IE+H!R0'!3, :M!%)!\* ,!E, /I ; '\$\*!:\$E! :\$ :M+ \ '!  
% ; 2, (\*:\$\*!(' -, ( ; )!\*O:\*! ; :E'!2, M% % / :M! / , ; 2' \*% % , \$!%\$!O'!) \*:\*!'! %\*O'(! ; , (! , (!M'))!E' ; ,/( : %%/H!R0'!  
-, /I!)!O, IME!O'! , \$!2, M% % / :M!%\$)%\*I%,\$)! :!\*O'!) \*:\*!'!M'&'ML! (: \*O' (!\*O:\$!O, J!2, M% % / % :\$)! - ( ; !+ , I(!  
) \*:\*!'! :-- / '\*E!-'E' (:M!%\$)%\*I%,\$)H!

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RO'!-%\$:M!2:2'(!)O, IME!O'!:O, I\*'!">!2:3')H!RO'!2:2'(!)O, IME!'\$3:3'!J%\*O' / , ('!\*O' ; ')!-( , !\*O'!  
/ , I() 'H!Q, I!:(('fI%('E!\* ,! /O' /A!%\$!J%\*O' ; '!':(M+!%\$!O'!) ; ') \*'(! , !:22( , &'!+ , I(/O, % / '! , -!) \*:\*!'L!  
%E' :MM+!%\$! :!)O, (\*! \ , , ; ! ; ' '\*%\$3! : -\*' (!/M:))!

!

)2'/%-%/!)!\*:!'L!J0'(:)!,\*0'(!); :+!0'!0(,:E'(!0%)\*,(%)!\*:!%\$/MIE'!)0,(\*(!E%/I))%, \$)!,-!+,I(!)\*:!'H!!

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[!E(:-!\*,-!\*0'!2:2'(!%)!EI'!6:(/O!"UH!X!J%MM!2(,&%E'!E'\*:!M'E!-'EO:/A!,\$!\*0%)!E(:-!\*L!OI\*!,\$M+!,\$!\*0%)!E(:-!\*^:~\*0,I30!X!:; !0:22+!\* ,!\*:MA!3 '\$'(:MM+!:0,I!\*0'!2:2'(!%)!%\$!,-%/'!0,I(O)'H!R0'!;! ,(!'!--,(\*!+,I!2I\*!%\$\* ,!\*0'!E(:-!\*L!0'!0'!\*\*'(!-'EO:/A!X!/:!\$!2(,&%E'!H!Q,I)0,IME!\*0'!\$!%\$/,(2,(.\*!'!0%)!-'EO:/A!%\$\* ,!\*0'!-!%\$:M!2:2'(L!J0%/0!)!EI'![2(%M!44H!

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R0'!-,MM,J%\$3!)I33')%,\$!)0,IME!2(,&'!0'M2-IM8!

Q,I!)0,IME!/0,,)'!;!)\*:!'!-,(!J0%/0!)/O,M:(!0:&'!/, \$EI/\*'E!'P\*\$)%&'(!)':(/OH!6+!3I''))!%)\*0:\*!0'!;! :F,(!':(M+!\$,(0'(\$)!\*:\*')!^6:)):/OI)'\*\*)!:\$E!W'J!Q,(A^L!:\$+!),I\*0'(\$)!\*:\*!'!0:\*!)!/'E'E!^!)2'/%:MM+!\*0,)'!;! ;,\$3!\*0'!,(%3%\$M!"9!)\*:\*')\L!S:M%-,\$(\$:~L!cHSHL!(?!I'(\*,! .%/;!J,IME!; :A'!-,(!\*0'!; ,)\*!'\$3:3%\$3!2:2'(!)H!70'\*0'(!+,I!/0,,)'!,\$'!,-\*0'!)!,(!:\$,\*0'(!)\*:\*'!L!0'-,(!X!:22(,&'!+,I(!/0,%/'!L!J'!J%MM!F,%\$M+!/ ,; '!I2!J%\*0!:!M%)\*!,-!%\$%\*:M!) ,I(/')!\* ,!/, \$)IM\*H!

Q,I!:(!\$,\*!(')\*(%/\*'E!\* ,!-,/I!) ,M'M+!, \$!& ,%\$3!(%30\*)!^(')\*(%/\*% , \$)!,\$!\*0'!-(:\$/O%)'L!://')! \* ,!& ,%\$3!L!OI\*!X!))I ; '!\*0%)!J%MM!0'!0'!2(% ; :(+!-,/I)!,-! ; ,)\*!2:2'(!)H!R0%)!%)!0,\*0!:!/,('! / , ; 2,\$'\$\*!,-!E' ; ,/(:/+L!:\$E!,\$'!\*0:\*!%)!'P\*\$)%&'M+(')':(/O'EH!

R0'!2:2'(!)0,IME!0,\*0!23+''&P3!% ; 2,(\*:\$\*!'&'\$\*)!0:\*!0:22'\$E!:\$E!:\*\*' ; 2!\*!\* ,!3BI9/&\$!\*0'!)! ,I\*/ ,; ')H!X!% ; :3%\$'! ; ,)\*!2:2'(!)J%MM!0:&'! ; ,(!E')/(%2%,\$!\*0:\$!'P2M:\$:%,\$L!OI\* ; :A'!)I('!\*,!%\$/,(2,(.\*!'!0' ; ')!-(, ; !\*0'!/ ,I(O)'\*! ,! ,--'(!^:\*M':)\*!:\*'\$\*:%&'!:(3I ; '\$\*!-,(!>04'2,M%\*%\*/:M!:/,\* ,O)\* ,A!\*0'!:/%,\$)!\*0'+!E!E!\* ,!2(EI/'!0'!)! ,I\*/ ,; ')H!!!

X!J,IME!)I33')\*!2I\*\*%\$3!:!\*% ; 'M%\$'!I2!-(,\$\*!,-!\*0'!'&'\$\*)+ ,I!J%MM!-,/I)!,\$!%\$!\*0'!2:2'(H!R0%)!J%MM!/M':(M+!/O:(/\*'(%\!'!0'!,I\*/ ,; ')!+,I!)!'A!\* ,!'P2M:%\$H!

Q,I!/:\$!/0,,)'!0'!' ; 2,(M!)/,2'! ,+ ,I(!)\*IE+H!\_ ,(!'P: ; 2M'L!%-!+,I!/0,,)'!W,(0!S:(,M%\$~L!+,I!/,IME!:\$~M+\'!'&'\$\*)!0'\*J' '\$!0'!'!\$E!,-!\*0'!S%&%M!7:(!:\$E!\*0'!/,\$),M%E:%,\$! ,-\$!:\$!:I\*0,(%\*:(%\$!( '3% ; '!%\$!\*0'!' : (M+!45"!/'\$\*I(+H! [M\*'(\$:%&'M+L!+,I!/,IME!)\*:(\*!J%\*0!W,(0!S:(,M%\$~N)!k1,M%E!1,I\*0!!( '3% ; '!:\$E!E%/I))!:\$+!( '-,( ; )!0:\*! ,//I(( 'E!EI(%\$3!\*0'!@% ; !S(J!'(:L!(!/, \$\*' ; 2,(:(+!)\*(I33M')! ,&'(!E' ; ,/(:%\*/!/, ; 2'\*\*\*%,\$!\$!W,(0!S:(,M%\$~H!XN ; !\$ ,\*! ,22,)'E!%\$!2(%\$/%2M'!\* ,!\*0'!%E'!: ,!-! :2:2'(!\*0:\*!/,&'(!)!&'(+M,\$3!\*% ; '!2'(% ,EL!)I/O!%2(')0.0.2(E').20.2412589.92cmBT5000501874.634-722Tm/TT2f(:)36000.2412589.9.%) [ % \*