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"#\$%&' ' (!)"#\$%\$* #!, -.-/\$0* -%!
23//!4544!6\$789-! : ; //3<79! => 8-/+* +%38;?!

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>8\$@-99\$8!A3%+3!B38C3*!

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D@+/-)!"#\$%\$&'#(!) *!!

" * 3+!)!+,%, -., /0, & 1 #2\$/ ,3\$-435!!

D@+/-!E\$789)! 6 7 8 !9: ; <= ; ; ; < ! \$ / ! . > ! , ? ? \$ ' % + & 4 % + !

6/399!A+* -!3%F!/\$#31+\$%)! 6 7 8 !) :) @ , & =) 9 : ; < ? & ! " # \$ % ! @ !

6/399!G -<9+1-)!AB , !

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6\$789-! , -9#8+0!+\$%

A0'(!'(!, !B/ , 35 , +4!#\$5/(4!'!%!34C42\$?&4%+!4#%\$&'#(-!A04!?'& , />!B\$, 2!\$D!+0'(!#\$5/(4!'(!+!\$!/?/4? , /4!
(+534%+(!D\$!/\$'B'% , 2!4(4 , /#0!E'+0'!+04!D'423!\$D!F4C42\$?&4%+!"#\$%\$&'#(-!A04!#\$5/(4!4 , 3'B(!D\$#5(!\$#!
4&?'/# , 2!?, ?4/(!E'+0! , %!4&?0 , ('(!%!05& , %!# , ?'+ , 2-!!

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A04!?'& , />!B\$, 2!\$D!+0'(!#\$5/(4!'(!+!\$! . 5'23!(G'22(!%!/4 , 3'B! , %3!E/'+'B! , ??'43!&'#/\$4#%\$&'#!? , ?4/(-!
H##\$/3'%B2>I!J!0 , C4!?'5+!24((!4&?0 , ('(!%!B'C'%B! , !+0\$/\$5B0!\$C4/C'4E!\$D!+04!2'+4/ , +5/4! , %3!&\$/4!4&?0 , ('(!
\$%!+4 , #0'%B! , !D4E4!/? , ?4/(!%!134+ , '2-!A04!D\$#5(!%!05& , %!# , ?'+ , 2!E'22!042?!34&\$%(+/ , +4!+04!E'34! , // , >!\$D!
+\$?'#(!+0 , +!# , %! . 4!E\$/G43!\$%!'!\$%4! , /4 , -!!!

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>8-8-H7+9+1-9!

KL-F-! 6 '#/\$4#%\$&'#!A04\$/>! , %3!"#\$%\$&4+'#(-!JM&! , 2(\$! , ((5&'%B!>\$5!0 , C4!24 , /%+!& , %>!\$D!+04! , ??'43!
&\$342(!+0/\$5B0!#2 , ((4(!5#0! , (!H??'43! 6 '#/\$4#%\$&'#!\$!/N , . \$/-!

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A-11<\$J!

A04/4'(!%\$!/405'/43!+4P+ . \$G!D\$!+0'(!#\$5/(4-!L\$E4C4/I!J!0 , C4!?'5+!\$B4+04!/ , !2'(!!\$D!/4(\$5/#4(!+0 , +!& , >!
0 , C4!5(4D52!(5??24&4%+ , />!& , +4/ , 2-!

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K-H7+8- * -%19!3%F!L83F+%M!

H(C'B%&4%+!

8 4'B0+!

Q2 , ((!?, /+'#?' , +' \$%! , %3!(5&& , /'4(

@R!

)!S4D4/44!S4?\$/+!

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&'((43!D'% ,2!E '22! . 4!B'C4%!%\$!E4'BO+!'%!+04!#,2#52,+ '\$%!\$D!+04!D'% ,2!B/ ,34! ,%3!>\$5!/?/\$?\$(,2! ,%3!&'3+4/&! E'22! . 4!/4E4'BO+43! ,##\$/3'%B2>-!

6/399!>381+#031+\$%PK-3F+%M9)!!

- **K-3F+%M9)!**Q\$&4!+\$!#2, ((!/?/4? ,/43!E '+0!+04! , (('B%43! ,/+ #24U(W!/4 ,3!?'\$!+\$!#&'%B!+\$!#2, ((-!Y4! ?/4? ,/43!+\$! ,%(E4!/054(+ '\$%(! ,%3!?' ,/+ '#'? ,+4!%'+04!#2, ((!3'(#5((' \$%-!Y/'%B! ,!#\$?>!\$D!+04!?' ,?4! U0 ,/3!\$/!424#+/ \$% '#W!E4!E '22! . 4!3'(#5((' %B!+0 ,+!3 ,>-!!

A-%131+.-!6/399!:#C-F7/-!

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G ""T!D2!	QDU, OV!	G " , U" : , OV!
)!a!H5B!99!	J%+/\$-!7!H(('B%&4%+(!7V+, /+!A\$?'#!)!)-!J&?, #+!"C, 25, +' \$%!
9!a!H5B!9b!)-!J&?, #+!"C, 25, +' \$%!)-!J&?, #+!"C, 25, +' \$%! S4C'4E!F, +, !H(('B%&4%+
; !a!V4?+!@!	9, -!V\$#, 2!K\$2'#>!"P?4/'&4%+!:QQA(!, %3!VOS/+A4/&!"DD4#+(!	
*!a!V4?+!)9!	9. -!V\$#, 2!K\$2'#>!"P?4/'&4%+!:N\$%B!	9. -!V\$#, 2!K\$2'#>!"P?4/'&4%+!:N\$%B!!

@!a!V4?+!)b!

K\$\$/"#\$\$&#(I! 8 0>!\ ,+'\$%(!

T, '2!A04!Y\$+&!Y'22'\$%I!A04!"%3!\$D!K\$C4/+>I!A04! 8 0'+4! 6 ,%M(!Y5/34!F4C42\$?&4%+!,(!T/443\$&I!
"\$\$\$&#! j ,%B(+4/(! k

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H. ,3'4!,%3!Q,+,%'\$-!9<)f-!_"#\$\$&4+'#! 6 4+0\$3(!D\$!/K/\$B/,&!"C,25,+'\$%`-!
I!)<:*c@=@<;-!!

H%B/'(+I!h\$(05,!F-!,%3!H2,%!Y-! [/54B4/-!)bbb-!_"&?/'# ,2!V+/,+4B'4(!%N, . \$/!"#\$\$&#(-`!
I! i \$2-!;I!Q0-!9;I!" 3-! d-!H(04%D42+4/!,%3!F-!Q,/3-!!

H%B/'(+I!J&. 4%(I!,%3!S5. '%-!)bbc-!_J34%+'D'#,+'\$%!\$D!Q,5(,2!"DD4#+(!g('%B!J%(+/5&4%+,2! i ,/' , . 24(I`!
-!b)U*;*W:***=*@-!

H%34/(\$%I! 6 -!9<<f-!_ 6 5+'?24!J%D4/4%#4!,%3!j 4%34/!F'DD4/4%#4!'%+04!"DD4#+(!\$D!" ,/2>!J%+4/C4%+'\$%(:!H!
S44C,25,+'\$%!\$D!+04!H. 4#43,/' ,%I!K4//>!K/4(#0\$\$2I!,%3!" ,/2>!A/, '%%B!K/\$Z4#+(-`!
)<;U*f*W:)*f)=)*b@-!

H+04>!V-I!,%3!j - 8 -!J&. 4%(-!9<)e-!_A04!"#\$\$&4+'#(!\$D!S ,%3\$&'j43!"P?4/'&4%+(-`!Y,%4/744!H-!,%3!"-!
F5D2\$!U43(-W!
-! i \$25&4!)-!"2(4C'4/-!!

Y4+/,%3!F5D2\$I! 6 522, '%,+0,%-!9<<*-!_L\$E! 6 5#0!V0\$523! 8 4!A/5(+!F'DD4/4%#4(='%=F'DD4/4%#4(!

1 904 6 40/TT 6 1 04 6 24'1 2 & 4 5 4 6 5 1 6 0. 9 1 43c(6)- 1 75 6 0)- 1 (<c4 6 0)-11(\$)- 1- T f (#)- T j (\$)*2(1)- 404 6 39m/43cmTT6 [l(T f)-(f)2(\$)-

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K-3F+%M!N+9!

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A\$0+#!ZR!W * 03#1!'' .3/731+\$%!

OR K3%F\$ * +[-F!'' I0-8+ * -%19!

!
F5D2\$! " (+04/I!S ,#042! j 24%%4/(+4/-!9<<f-!_Q0, ?+4/!c):!g ('%B!S ,%3\$&'] ,+'\$%!''!F4C42\$?&4%+!'#\$%\$&'#(!
S4(4,/#0:!H!A\$2G'+`!!''%A-!K, 52!V#05+2]!, %3!h\$0%!H-!V+/, 5((!U43(-WI!
C\$2-!*-!H&(4/3, &!A04! \ 4+04/2, %3(:! \ \$/+0!L\$22, %3-!!
^ !

F4!h,%C4/>I!H2, '%!,%3!



A\$0+#!4R!:\$#+3/!>\$/#;!'' I0-8+ * -%19)!6\$%F1+\$%3/!639C!A83%9@-89!!
!

OR

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!

BR!N\$%M-8S1-8 *!'@@-#19!\$@! 6 6 A9!\!N-38%+%M!3%F!N3<\$8!Q38J-!D71#\$ * -9]!

!Y,/0,&I!AI! [-! 6 ,#\$5/(I!h! 6 ,25##'\$-!9<99-!_"P?4/'&4%+,2!"C'34%#4!D/\$&!,!Q\$%3+'\$%,2!Q,(O!
A/,%(D4!/K/\$B/,&:!V#0\$\$2%BI!N4,/%'BI!T4/'2'+>!,%3!N,.\$!/ 6 ,/G4+!d5+#\$&4(!HD+4/!)<!X4,/(`!
g%?5.2'(043!USQAW!

!K,/G4/!,%3! i \$B2-!9<9)

!

BR "@@-#1!\$@!"38/;!6C+/FC\$\$F!W%1-8.-%1+\$%!!\$!E7*3%!630+13/!

!

!6'B542!"3E,/3!,%3!6'#0,42! [/4&4/-!9<<*-!_8\$/&(:!J34%+'D>'%B!J&?,#+(!\$%!"35#,+'\$%!,%3!
L4,2+0!'%+04!K/4(4%#4!\$D!A/4,+&4%+!"P+4/%,2'+4(^! I!e9U)W!!)@b=9)e-!!USQAW!

!

!" ,/2>!Q0'230\$\$3!L4,2+0!,%3!T,&'2>!K2,%%'%B:!N\$B=A4/&!,%3!J%+4/B4%4/ ,+'\$% ,2!"DD4#+(!
\$%!L5&,%!Q,?'+,2-!g%?5.2'(043!Uu5,('=/,%3\$&!4P?4/'&4%+W!

!

!T'423I!"/# ,!d& ,!S\$.24(!,%3!6 ,P'&\$!A\$/4/\$-!9<<b-!_J\$3'4!F4D#'4%#>!,%3!V#0\$2'B!
H++,'%&4%+!'!A,%],%',`! !)U*W:!) *<=)cb-!U 6 ,>!
%\$+!0,C4!+'&4!D\$/!+0'(!.5+!E\$523!2'G4!>\$5!+\$!/4,3!'!+W!

Y,/0,&!A,%' ,!-!9<)9-!_"%0,%#%'%B!Q\$B%+'C4!T5%#+'\$%'%B:!643'5&=A4/&!"DD4#+(!D!L4,2+0!,%3!T,&'2>!
K2,%%'%B!K/\$B/ ,&!'!% 6 ,+2, .I'! I!*U)W!9*=@=e;-!
YO,/ ,3E,Z!K/,(0,%+! [,+'%4! i 4224(4%!NvG4%I!,%3!Q0/'(+?04/!\ 4'2(\$%-!9<);-!o" ,/2>!N'D4!L4,2+0!
J%+4/C4%+'\$%(!,%3!H#,34&'#!H#0'4C4&4%+o! I!)<;U@W:!)fc9=b)-!
h,>,#0,%3/,%I!V44&,!H3/' ,% ,!N24/,(=65%4>-!9<<b-!N'D4!"P?4#+,%#>!,%3!L5&,%!Q,?'+,2!J%C4(+&4%+(
"C'34%#4!D/\$&!6 ,+4/%,2!6\$+/ ,2'+>!F4#2'4(!w !)9*!U)W:!*b=
;be !
N5#,(I!H3/'4%#4!6 -!9<)<I_6 ,2,/' ,!" / ,3'# ,+'\$%!,%3!"35#,+'\$% ,2!H++,'%&4%+!"C'34%#4!D/\$&!K,/ ,B5,>!
,%3!V/'!N,%G,I'! I!9U9W:!*c=e)-!
6 ,25##' \$!h\$0%I!4+!,2-!9<<b-!_A04!J&?,#+\$D!J&?/\$C'%B!\ 5+'+'\$%135/'%B!" ,/2>!Q0'230\$\$3!\$%!"35#,+'\$%!
,&\$%B!j 5 ,+4&,2,%!H352+(!-!)bU@;eW!e;*=ec;-!

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6R "@@-#1!\$@!"38/;!6C+/FC\$\$F!W%1-8.-%1+\$%!!\$!N3<\$8!Q38J-1!D71#\$\$* -9!

!Y24,G24>I!L\$>+!9<)<-!o 6 ,2,/' ,!" / ,3'# ,+'\$%!'%+04!H&4/'# ,(:!H!S4+/\$(?4#+!C4!H%,2>(!D!

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L\$33'%\$+I!h-I!h-H-! 6 ,25##'S!h-S-!Y40/&,%I!S-!T2\$/4(I!,%3!S-! 6 ,/,\$/422-!9<<f-!_"DD4#+\$D!,!\ 5+/'+'\$!
J%+4/C4%+'\$%!F5/'%B!" ,/2>!QO'230\$\$3!\$%!"#\$%&#'K/\$35#+'C'+>!%! j 5 ,+4&,2,%!H352+(I'
-!;e)Ubc)<W:!*)a*)c-!
V+/,5((I!h-I!,%3!AO\$&,(I!F-I!rrL4,2+0!\$C4!/!04!N'D4!Q\$5/(4MM!U??-!; ;e@a!;*c@WI!'%A-K,52!V#052+]!,%3!
h\$0%!V+/,5((!U43(-WI!
!U"2(4C'4/I!9<<fW-!!

!

,R , - * 3%F!@S8!A-91+%M!

!

!AO\$/%+\$%I!S4.4##,-!9<<f-!_A04!F4&,%3!D\$/I!,%3!J&?,#;!\$DI!N4,/%'B!LJ i !V+,+5(-`!
!bfU@W:!)f9ba)fc;-!USQAW!

!

F5?,(I!K,(#,2'%4-!9<)-!_F\$!A44%,B4/(!S4(?%3!+\$!LJ i !S'(G!J%D\$/&,+ '\$%1!"C'34%#4!D/\$&!,!T'423!
"P?4/'&4%+'!%![4%>,-`!
j \$%BI!"/#-!9<)*!_LJ i !A4(+!%B!,%3!S'(G>!V4P5,2!Y40,C'\$/^!
"C,%(I!F-I!,%3!"-! 6 'B542-!9<<e-!d/?0,%(!,%3!V#0\$\$2'%B!'!HD/'#,;!H!N\$%B'+53',2!H%,2>('!o!
I!*U)W:!:;@=e-!
[/4&4/I! 6 '#0,42-!9<<9-!_K0,/ & ,#45+'#,2(!,%3!+04!F4C42\$?'%B! 8 \$/23Io!
I!)cU*W:!ce=b<-!

!

A\$0+#!(R! !'F7#31+\$%!

!

!N5#5(I!H!,%3!J-! 6 . '+-!9<)*-!_"DD4#+(!\$D!V#0\$\$2!u5,2'+>!\$%!V+534%+!,#O'4C4&4%+;!
F'(#\$%+'%5'+>!"C'34%#4!D/\$&![4%>,I'!
9;*=9c;-!US4B/4(('\$%!F'(#\$%+'%5'+>W!
!cU;W:!

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BR "@-#19!\$@!Q+M831+\$%!

!
U\$.R!_)!X,%BI!F4,%-!9<<f-!_J%+4/%,+ '\$%,2! 6 'B/,+'\$%!S4&'++,%#4(I!,%3!L\$5(40\$23!J%C4(+&4%+!"C'34%#4!
D/\$&!K0'2'??'4! 6 'B/,+(M!"P#0,%B4!S,+4!V0\$#G(I`! I!))f!U@9fw!:!@b)=c;<-!Uj i W!

Y/>,%I! j -!Q0\$E305/>!V-! 6 \$. / ,GI!H- 6 -!9<)*-!_g %34/=%C4(+&4%+!'%!,!K/\$D'+, .24!A4#0%\$2\$B>:!A04!Q, (4!
D!V4, (\$%,2! 6 'B/,+'\$%!Y,%B2,34(0`I! I!f9I!)ce)a e*f-!
j \$%],24]= i 42\$(,I!Q,/2'\$%,!U9<)9WI!_A04!"DD4#+(!\$D!" &'B/,+'\$%!,%3!S4&'++,%#4(!\$!HB/'#52+5/4:!"C'34%#4!
D/\$&!+04!K0'2'??'4(^!5%?5.2'(043!&'&4\$-!!
L,(\$%I! j \$/3\$%!L-!U9<<eWI!_ " &'B/,+'\$%I!N, . \$/!V5??2>! ,%3!" ,/%'B(!'! 6 4P'#S!`!'%!
U9<<eWI! j 4\$B4!h-!Y\$/Z, (I!43'+\$/I?!-!9fb!a!;9f-!!
6 # [4%]'4!F,C'3!h-! j '. (\$%!,%3!V-!V+'22&,%!U9<))WI!_A04!J&'?,#+(!\$D!J%+4/%,+ '\$%,2! 6 'B/,+'\$%\$%!
S4&,'%B!L\$5(40\$23! 6 4&.4/(:!d&%'.5(!S4(52+(!D/\$&!,! 6 'B/,+'\$%!N\$+4/>!K/\$B/,&I`!
I!b;U*W:!)9be=);)e!9<))-!!
6 '(0/,!K/,#0!U9<<eWI!_ " &'B/,+'\$%!,%3! 8 ,B4(!'!V\$5/#4!Q\$5%+/'4(:!"C'34%#4!D/\$&! 6 4P'#S`! I!
I!\$-!f9I!??-!) f<=)bb-!!
6 5%(0!,%3!S\$(4%)E4'B-!9<)@-! \ 4+E\$/G(!, %3! 6 '(,22\$#,+'\$%:!J%(5/,%#4! 6 'B/,+'\$%!,%3!+04!S5/,2=g/. ,%!
8 ,B4!j ,?-

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!
A\$0+#!')!N3<\$8!2+8 *9!

!
aaa!U\$.R!Z(:!L,/3>I! 6 \$/B,%!,%3!h,&'4! 6 #Q,(2,%3-!9<99!_H/4!V&,22!T'/'&(!N, . \$/!Q\$\$(+/, '%43!
"P?4/'&4%+,2!"C'34%#4!D/\$&! j 0,% , -!T\$/+0#\$&'%B! !!

Y,%4/B44!H.0'Z'+!,%3!" (+04!/F5D25-!9<<<-!_S4?5+,+'\$%!"DD4#+(!,%3!+04!N'&'+(!\$D!Q\$%+/,#+'%B:!H!V+53>!\$D!
+04!J%3',%!V\$D+E,/4!J%35(+>I`! !))@U;W:!bfb=)<)e-!
6 ,##0',C42I!S\$##\$! ,%3!H&44! 6 \$/Z,/' , -!9<9)-!_Q\$&'4+'+'\$%!,%3!S42,+'\$%,2!Q\$%+/,#+(!'+04!SE,%3,!
Q\$DD44!Q0,'%-`! I!);cU9W:<bfb=))*;-!
6 # 6 '22,%3!h\$0%!,%3!Q0/'(+?04!/ 8 \$\$3/5DD-!)bbb-!_J%+4/D'/'&!S42,+'\$%(0'?(!,%3!J%D\$/&,2!Q/43'+!'!
i '4+%,&4I`!u5,/+/2>!h\$5%,2!\$D!"#\$\$&'#(I!))*U*W:!)9f@=);9<-!

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A\$0+#!&

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X%+.-89+1;!>\$/#+-9!
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Y\$+0!(+534%+(!,%3!D,#52+>!,/4!/4(?\$%(' .24!D\$/!&,'%+,'%B!,%!,??/\$?/',+4!24,/%'B!4%C'/\$%&4%+'%!,22!
'%(+/5#+'\$%,2!(4++%B(I!E04+04/'!?!?4/(\$%I!/4&\$+4!\$/!\$%2'%4-!A0\$(4!E0\$!D,'2!+\$!,304/4!+\$!(5#0!.40,C'\$/,2!
(+,%3,/3(!&,>! .4!(5 .74#+!+\$!3'(#'??%4-!K/\$D4(('\$\$%,2!#\$5/+4(>!,%3!(4%('+'C'+>!,/4!4(?4#',22>!'&?\$\$/+,%+!E'+0!
/4(?4#+!+\$!'%3'C'35,2(!,%3!+\$?'#(!34,2'%B!E'+0!/,#4I!#\$2\$/I!%,+'\$%,2!\$/ 'B'!I!(4PI!?!/4B%,%#>I!,B4I!3'(. . '2'+>I!
#/443I!/42'B'\$%I!(4P5,2!\$/ '4%+,+'\$%I!B4%34/'!34%+'>I!B4%34!/4P?/4(('\$\$%I!C4+4/,%!(+,+5(I!?\$2'+ '#,2!,DD'2',+'\$%!
\$/!?\$2'+ '#,2!?'0'2\$(\$?0>-!!T\$/!&\$/4!'%D\$/&,'\$%I!(44!+04!#2,((\$\$&!.40,C'\$/!?\$2'#>I!+04!V+534%+!Q\$34!\$D!
Q\$%35#+I!,%3!+04!dDD'#4!\$D!J%('+'5+'\$%,2!"05'+>

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H22!(+534%+(!4%/\$2243!'%!,!g%'C4/('>!\$D!Q\$2\$/ ,3\$!Y\$5234!/#\$5/(4!,/4!/4(?\$%(' .24!D\$/!G%\$E'%B!,%3!
,304/'%B!+\$!+04![L\\$%\\$/!Q\\$34](#)! i '\$2,+'\$%(!\$D!+04!L\$%\$/!Q\$34!&,>!'%#2534I! .5+!,/4!%\$+!2'&'+43!+\$:!
?2,B',/('&I!#04,+'%BI!D,./'#,+'\$%I!2>'%BI!./' .4/>I!+0/4,+I!5%,5+0\$/']43!,##4((!+\$!,#,34&#!&,+4/',2(I!#2'!#G4!
D/,53I!(5.&'+'%B!+04!(, &4!\$/!('&'2, /!E\$/G!'!&\$/4!+0,%!\$%4!#\$5/(4!E'+0\$5+!?'4/&'('!'\$%!D/\$&!,22!#\$5/(4!
'%(+/5#+\$/(!'!C\$2C43I!,%3!, '3'%B!,#,34&#!3'(0\$%4(+>H22!'%#'34%+(!\$D!,#,34&#!&'(#\$%35#+!E'22! .4!
/4?\$/+43!+\$!V+534%+!Q\$%35#+!z !Q\$%D2'#+!S4(\$25+'\$%!UO\$%\$/ 1 #2\$/ ,3\$-435W!;! ;< ;=*b9=@@@<W-!V+53