

X. -3)'(&%),,+≠* &+&,)!1'/(6\$1!'&!4&1'\$!/0,&8),!) 7)/%\$11≠)1!7\$,,)1!)!1%1\$!&4!
1&,(.)/'+'7('#!)%. !3)/\$!4&!/,!,!7#&!1'/-00,\$!4&/!E-1'(3\$!N9;!KQ;!!

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<%!).. ('(&%≠'#\$!* &+&,)!@&,\$0\$!C%. \$/0/). -)'!X. -3)'(&%),!G(5 1!(%3,-. \$!'#\$!4&,,&7(%0\$!!

!MM!/\$3&0%('(&!&4!'#\$!(%#\$/%\$!'!6),-!)%. !. (0%('+'&4!\$)3#19\$/1&%≠)%. !'#\$/\$4&/!%)!
)7)/%\$11!&4!1\$1('6('+'&7)/. ≡)%. !/19\$3'!4&/!#\$!. (44/\$%3\$1!&4!)3\$≠0\$. \$/≠
\$'##(3('+'≠)')(&%),!&/0(%≠3-, '-/\$≠1\$A-),!&/('\$%')'(&%≠/\$,(0(&%≠)0\$≠)%. !. (1)8,(('\$1Y!!
MM!)7)/%\$11!&4!'#\$!1'/-3'-/),!1&-/3\$1≠3&%1\$: -\$%3\$1≠)%. !/19&%1(8,('\$!1!&4!
9/(6(\$0\$Y!
MM!)7)/%\$11!&4!'#\$!0,&8),!3&%'\$A'!&4!3'(R\$%1#(9!)%. !)%!(%4&/5\$. !1\$%1('6('+'&!#\$!
\$A9\$/(%3\$1!&4!9\$&9,\$1!&-1(\$!&4!'#\$!C%('\$!ID')'\$1Y!!
MM!)7)/%\$11!&4!'#\$!5-, '(9,(3('+'&4!9\$/19\$3'(6\$1'#)'!8\$)/!&%!'#\$!#-5)%!\$A9\$/(%3\$≠
)%. !'#\$!(59&'')%3\$!&4#(1'&/3),≠0,&8),!)%. !3-, '-/),!3&%'\$A'!(%!. '\$\$/5(%0!'#\$!7)+!
7\$!1\$!#\$!7&/, . :!!

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"#\$1\$11')'\$5\$%1!5)2\$!3,\$)/!#)'!7\$1'/(6\$!&!(%3/\$)1\$11'-.\$%1f!(%\$/!\$1!(%)%. !
-%.\$/1')%. (%0!&4!'#\$!\$!)19\$3'1!&4#-5)%!. (6\$/1('+'\$!). (6\$/1('+'!/\$,) '\$. !'&!. (44/\$%3\$1!)3/&11!
)'(&%1!)%. !7&/, . !3-, '-/\$1≠. (6\$/1('+'!/\$,) '\$. !'&!(11-\$1!&4E-1'(3\$≠(%E-1'(3\$≠)%. !&99/\$11(&%≠
)%. !. &5\$1'(3!. (6\$/1('+'!/\$,) '\$. !'&!'#\$!\$A9\$/(%3\$1!&4!5(%&/('+'10/&-91!(%!'#\$!C%('\$!ID')'\$1!
"#\$1\$1'#\$!\$!)19\$3'1!&4!. (6\$/1('+'!99\$)/!'&!8\$!4-%.)5\$%)',!'&'#\$!6),-1!)/'(3-,)'\$. !8+'#\$!
@&,\$0\$≠+ '\$!1'9!1#)6\$!%&'!+\$!8\$!\$%)'2\$%!'&!'\$%1-/'!#)!)!,!* &+&,)!1'-.\$%1!)/!13#),,\$%0\$. !
'&'#(%2!)8&-1'#\$1\$!)19\$3'1!&4!. (6\$/1('+'!(%!'#\$!3,)11/&&5;!G33&/.(%0,+≠('!(1!9/&9&1\$. !'#)'!
1'-.\$%1!8\$!/\$: -(/\$. !'&!)2\$!)!3&-/1\$!4&3-1(%0!&%!)',,\$)1'!&%!&4!'#\$!#/\$\$!4&,,&7(%0!)19\$3'1!
&4!#-5)%!. (6\$/1('+'\$!!

T; Z,&8),!G7)/%\$11!@&-/1\$1!/\$,)'\$. !'&'#(1!)19\$3'!&4!. (6\$/1('+'11\$2!'&!(%3/\$)1\$!
1'-.\$%1f!)7)/%\$11!)%. !-%.\$/1')%. (%0!&4!3-, '-/\$1!)%. !%)'(&%1'#)')!/\$!&4'\$!
\$A3,-. \$. !(%!)!'/). ('(&%),!(8\$)/,!)'/1\$. -3)'(&%!;"#\$13-//%\$!3&/!3-//3-, -5!
1&3(,)1'1'/-3'-/\$1≠#(1'&/+≠19/(('),19/)3'(3\$1≠)%. !)'1!&4!U1'\$/%!3-, '-/\$1!9)1!)%. !
9/\$1\$%!(%3,-.(%0!3-, '-/\$1!)%. !%)'(&%1!&-1(\$!&4!'#\$!C%('\$!ID')'\$1!O&7\$6\$/≠
1'-.\$%1!)/!%&'!/\$: -(/\$. !'&!)2\$!3&-/1\$1!#)'!(%3,-. \$!1-81')%'),!\$A9&1-/'!&!
3-, '-/\$1!)%. !%)'(&%1'#)'!4),!&-1(\$!&4!'#(1!U1'\$/%!'/). ('(&%!Z,&8),!)7)/%\$11!
3&-/1\$1!7&-., !4&1'\$!/(%1'1'-.\$%1!#\$!0,&8),,+!3&59/\$#%1(6\$!9\$/19\$3'(6\$!#)'!(1!
. \$13/(8\$. !)1!)!3#)/)3'/(1'3!&4!\$A3\$,,\$%3\$!(%!'#\$!* &+&,)!@&/!W),-\$1!D')'\$5\$%';!
"#\$1\$!3&-/1\$1!7(,,!4&3-1!&%!3-, '-/\$1!#)'!4),!&-1(\$!&4!'#\$!8&-%.)/(\$1!&4!)!(8\$)/,!
)'/1!\$. -3)'(&%!(%!'#\$!U1'\$/%!(%\$,,3-),!'/). ('(&%≠(%3,-.(%0≠8-'!%&'!,(5('\$!.'!&≠
'#\$!1\$!(%G1()≠[)3(4(3!<1,). 1≠G4/(3)≠@%\$/),*)'(%!G5/(3)≠)%. !G-1'/),() \ \$7!
^\$),). ;!Z,&8),!)7)/%\$11!3&-/1\$1!3)%!,1&4&3-1!&%!'#\$!(%\$/)3'(&%!8\$'7\$!\$%'#\$1\$!
3-, '-/\$1!)%. !U1'\$/%!3-, '-/\$1!;!!!

H; -1'(3\$!G7)/%\$11!@&-/1\$1!/\$,)'\$. !'&'#(1!)19\$3'!&4!#-5)%!. (6\$/1('+'11\$2!'&!(%3/\$)1\$!
1'-.\$%1f!)7)/%\$11!)%. !-%.\$/1')%. (%0!&4!E-1'(3\$!)%. !(%E-1'(3\$;!'"#\$!@&/!W),-\$1!
D')'\$5\$%!'!*'&+&,)!1')'\$!1'#\$!'!#\$!>9-/1-'!&4!E-1'(3\$!3&%('-\$!1'&!4&/5!)%. !1#)9\$!
8&#!'#\$!\$. -3)'(&%),!5(11(&%!)%. !.),(+. \$),(%01!&4!,(4\$!(%!\$1-'!(!%1'('-'(&%!1?N9;KQ;
_ -1'(3\$!)7)/%\$11!3&-/1\$1!7&-., !1\$/6\$!'#\$!3)-1!&4!E-1'(3\$!8+!4&1'\$/(%0!(%1'1'-.\$%1!
'#\$!)8,('+'&'#(%2!(%!)!1&9#(1'3)'\$. !5)%%\$/!)8&-!'#\$!. (1'(%3'(6\$!,(4\$)%. !'&#-0#'
&4!'#\$!1\$!1-8E\$3'!'&!(%E-1'(3\$≠)%. \&/!8+). . /\$11(%0!(11-\$1!&4!(%E-1'(3\$!#/#&-0#!'#\$!
\$A)5(%)'(&%!&4!&99/\$11(&%≠. (13/(5(%)'(&%≠9/\$E-. (3\$≠1'(05)'(R)'(&%≠)%. !9/(6(\$0\$;

"#\$1\$!3&-/1\$1!3)%!\$A9,&/\$!#\$5\$1!&4!E-1'(3\$!)%.!(%E-1'(3\$!4/&5!)%+!%-58\$!&4!
9\$/19\$3'(6\$1!%3,-.(%0!8-'!%&'!,(5('\$.'!&=#(1'&/3),!9#(&1&9#(3),!#\$&,&0(3),!
,('\$/)/+!91+3#&,&0(3),!1&3(&,&0(3),!9&,'(3),!\$3&%&5(3!%)!.!,\$0),!D-3#!3&-/1\$1!3)%!

<4!)!%\$0)'(6\$E-. 05\$%'!(1!5). \$-!#%\$!)%\$A9,)%'(&%)%. !/\$3&55\$.)'(&!
7(, !8\$!1\$%'!&!#%\$!`\$9)'/5\$%'!@#)/(N)% !&#\$/!9)'/(\$1!)1!%\$3\$11)/+0!
@&-/1\$!/\$3\$(6(%0!)!%\$0)'(6\$!. \$3(1(&!7(, !8\$!/\$3&%1(\$/\$. !(4!4\$. 8)32!4/&5!
'#\$!C@@D!(1!(%3&/9&/)'\$. !(%&!#%\$!3&-/1\$!. \$1(0%;!!!

O&7!1#&-.. !'#(1!. (6\$/1(' +!/\$: -(/\$5\$%'!8\$(59,\$5\$%'\$. V!

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G!. \$3(1(&!9/&3\$11!7(, !8\$!\$1')8,(1#\$. !&! \$'\$/5(%\$!7#\$\$'##\$!@&, \$0\$(1!9/\$9)/\$. !&!&44\$/
1-44(3(\$%'!. (6\$/1(' +!/\$: -(/\$5\$%'!3&-/1\$!&!&!)33&55&.)'\$!#%\$!-%. \$/0/). -)'\$1!-. %\$!8&. +!
<'!(1!9/&9&1\$. !#)'#\$!C@@D!7&/2!7('#!. \$9)'/5\$%'!1!&4- ,4(, !#%\$!4&, &7(%0!3/('\$/!)\$!!

T; <%!#%\$!4/(1!1\$5\$1'\$!&4!(59,\$5\$%')'(&%!)!1-44(3(\$%'!%-58\$!&4!1\$3'(&%1!&4!. (6\$/1(' +!
/\$: -(/\$5\$%'!3&-/1\$!15-1!8\$!&44\$/\$. !&!&!)33&55&.)'\$!TKJ !&4!,,!1!-. %\$!1!&!7#&5!
'#\$!/\$: -(/\$5\$%'!)99,(\$!;!a4!#\$!\$!1\$3'(&%1!#%\$!\$!5-1!8\$!)!1-44(3(\$%'!%-58\$!/#)'!
1)'(14+!)!3&/\$!/\$: -(/\$5\$%'!&!)33&55&.)'\$!TPJ !&4!,,!1!-. %\$!1!&!7#&5!#%\$!
. (6\$/1(' +!/\$: -(/\$5\$%'!)99,(\$!;!!

H; G!1(5(,)/!, \$6\$,!&4!)6(,)8,(' +!&4!. (6\$/1(' +!/\$: -(/\$5\$%'!3&-/1\$!15-1!8\$!%\$1-/\$. !(%!
1-81\$: -%\$!1\$5\$1'\$/1!#/#&-0#!#%\$!\$4&/!1!&4!#\$!C@@D!(%!3&,)8&/)'(&!7('#!
. \$9)'/5\$%'!3#)/(1!#%\$!b\$3&/ . 1!a4(3\$-!#\$!@%\$!\$/!4&/!G3). \$5(3!D\$/6(3\$1!)%. !
D-99&/!%)%. !#%\$!`\$)%!;!!

L; ` (6\$/1(' +!/\$: -(/\$5\$%'!3&-/1\$!15-1!8\$!&44\$/\$. !8+!)!5(%5-5!&4!1(A!. \$9)'/5\$%'!1#
\$)3#!&44\$/(%0!)!,\$)1!&%\$!1-3#!3&-/1\$!9\$!/+)\$/;!!!

U#%\$!#\$!C@@D!#)1!. \$'\$/5(%\$. !#)'!(1!9&11(8,\$!&!5\$'\$!#\$!\$!3/('\$/!)!\$. (6\$/1(' +!
/\$: -(/\$5\$%'!7(, !8\$!\$1')8,(1#\$. !/\$: -(/%0!\$6\$/+!*&+&,)!-%. \$/0/). -)'\$1!-. %\$!&!3&59,\$'\$!
)!,\$)1!&%\$!0,&8,!)7)/%\$!11#E-1'(3\$!)7)/%\$!11#&!/!. &5\$1'(3!. (6\$/1(' +!)7)/%\$!11!3&-/1\$!
@&-/1\$!14- ,4(, %0!#%\$!. (6\$/1(' +!/\$: -(/\$5\$%'!3&- ,. !), 1&!3&-%'!&7)/. !3&/\$!&/!5)E&/!
/\$: -(/\$5\$%'!;!!

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"#/\$!+\$)/1!)4'\$/!#%\$!1')/'!&4!#\$!(59,\$5\$%')'(&!&4!#%\$!. (6\$/1(' +!/\$: -(/\$5\$%'!#%\$!
C%. \$/0/). -)'\$!@-//3-, -5!@&55(''\$!\$!7(, !-%. \$'/)2\$!)/\$6(\$7!&4!#\$!(59,\$5\$%')'(&!&4!
'#(1!

!
H!c/&5!#\$!C%('\$.!])'(&%1!a/0)% (R)'(&%4&/!X. -3)'(&%#D3(\$%3\$!)%. !@-, '-/\$!NC] XD@aQ!TddK!>Z,&8),!@-, '-/),!
^ (6\$/1(' +!@&%4\$/ \$%3\$e#HfMHg!G9/(, #D+. %\$+ #G-1' /), () :!
!