

5+67\$!8#!98,&\$,&:!

\$%&'(')(*%+, " - +,) .&/'0* 1 1)%('2"345.6+'(*%&/'+%7" 8*' (6. "9" 8*%: ; (&6<(1 (%+'(*% " =
>?. "0* ,. @. A&"0(B, "C(@?'&"D">(', . "\$E"0**<7(%+'* "< F
G<.B. %'(*%"+%7"HI +<. % .&&"G<*@<+ 1 &" F
H%%)+, "C.B(. I " F
J6*5. "9"G*, (62" K
H6+7. 1 (6"L<. .7* 1 "+%7"L<. .7* 1 "9"J5. .6?" M
G<*?(N(' .7"0*%7)6""+%7" ; .9(%('(*%&" M
>(', . "\$E"J.4)+, "O+<+&& 1 . %'" P
8*%:>(', . "\$E"Q(&6*%7)6"" !R
G<*?(N(' .7"C. , +'(*%&?(5&" !S
; .9(%('(*%&"9"T.2">. < 1 &"+%7"U'?. <"0*%&(7.<+'(*%&" !=
0*%9(7. %'(+, ('2"/G<(B+62"/+%7"C. , +'. 7"C.5* <'(%@"C.&5*%&(N, ('(. &" !M
G<(B+62"+%7"0*%9(7. %'(+, ('2"V"W%7.<&'+%7(%@""? . ; (99.<. %6.&" !M
C.X) .&'&"9* <"0*%9(7. %'(+, ('2" !P
C.&5*%&(N, . "3 1 5, *2. . &" !P
>+Y. "Z+6Y""?. "8(@?"+"%7"U'?. <"G)N, (6"HI +<. % .&&"3B. % '&" !P
; (&6, *&) <.&"C.X) (<. 7"N2">?. "0, . <2"H6" ! [
C.5* <'(%@"U5'(*%&" ! [
3 1 .<@. %62"+%7"34'. <%+, "C.5* <'(%@"U5'(*%&" #R
0+15)&"C.5* <'(%@"U5'(*%&" #R
H%*%2 1 *)&"C.5* <'(%@" #!
C.5* <'(%@"*34'. <%+, "H@. %6(. &" ##
U'?. <"C.5* <'(%@"0*%&(7.<+'(*%&" #S
J)55* <'(B. "Q. +&) <.&"+%7"C. 1 .7(. &" #F
C+%@. "9"Q. +&) <.&" #F
\$%'. <(1 "J)&5. %&(*% " * <"J.5+<+'(*% " #K
0+<. "+%7"J)55* <'("C.&*) <6.&"9* <"0* 15, +(% + % '&"+%7"

;, :&'&-&'8, +7!<+7-\$:!!98= = -, '&/!'>?\$%&+&'8, :!+, @!A8&'%\$!8#!A8, B
C':%.'=' , +&'8, !

\$'(&'?."5*(62"*9"U66(7.%'+,"0*,,.@."_U66(7.%'+,`*<_'?."0*,,.@.`]"*1+(%'+(%"+%".%B(<*%1.%'"
9*<'&')7.%&/'9+6), '2/" +7 1 (%(&'<+'*<&/'&'+99/" +%7"B(&'<&'?'+'(&'9<.. "*9"+,, "9*<1 &"*9"7(&6<(1 (%+'(*%"
+%7" ?+<+&&1 .% '/' (%6,)7(%@ " &.4)+, "+%7" (%'.<5.<&*%+, " 1 (&6*%7)6'a" >?. " 0*,,.@." ?+&".%+6'.7" '?(&
J.4)+, "+%7"\$%'<5.<&*%+, " Q(&6*%7)6"G*(62"_G*(62`]"* "<.9,.6"+%7" 1+(%'+(%"('&'(')')(*%+, "

5D\$!9877\$E\$F:!9'(!'G'ED&:!H!5'&7\$!; I!988.@", +&8.!!

>?. "0(B("C(@?'&"D">(',."\$E"0**<7(%+'*<"6**<7(%+'.&"+%7" 1+%+@.&"'?. "0*,,.@.A&"6* 15,(+%6." I('?">(',."\$E"+%7"<.,+' .7"5<*B(&(*%&"*9"'?. "0, .<2"H6""\+&" +1 .%7.7"N2" - H c H]a">?. "0(B("C(@?'&"D">(',."\$E"0**<7(%+'*<*B.<&..&"'?. "0*,,.@.A&"6.%'<+,(d.7"<.&5*%&."*" +,,"<.5* '&"*9"G<*?(N(' .7"0**%7)6""*".%&)<."6*%&(&' .%"(15,. 1 .%'+'(*%*"9"'?(&"G*,(62"+%7"6* 15,(+%6." I('?"9.7.<+,"+%7"&'+' .",+ I a">?. "0(B("C(@?'&"D">(',."\$E"0**<7(%+'*<+%7"7.&(@%+' .7"&' +99" I(,,"/ +1 *%@"*'?.<"'?(%&V"

f 0* 1 1)%(6+." I('?" 1 . 1 N.<&" *9" '?. " 0*,,.@." 6* 1 1)%('2" <.@+<7(%@" +55,(6+N,." ,+ I " +%7" 5*,(62"+%7"5<*B(7."(%9*< 1 +'(*%"+N*)" "<.5* '&'(%@"+%7"&)55* <"*5'(*%&a"

f C.B(. I " +55,(6+N,." 0*,,.@." 5*,(6.&" '*". %&)<." (%&'(')'(*%+, " 6* 1 5,(+%6." I('?" +55,(6+N,." 9.7.<+,"+%7"&'+' .",+ I a"

f Q*%('*<" '?. " 0*,,.@.A&" +7 1 (%&'<+'(*%*"9" ('&" * I%" +55,(6+N,." 5*,(6.&" (%6,)7(%@" <.6* <7" Y..5(%@"+7?<.%6." "*"'(1 .9<+ 1 .&"/+%7"*'?.<"5<*6.7)<+,"<.X)<. 1 .%'&a"

f 0**%7)6""<+(%@"<.@+<7(%@">(',."\$E"/<.,+' .7"5<*B(&(*%&"*9"'?. "0, .<2"H6""\+&" +1 .%7.7"N2" - H c H]"/+%7"G<*?(N(' .7"0**%7)6""

f
$$\frac{V^0 0^{*7} 6^{''?+''*66}<\&^{*99:6+15}&+ \% 7^?+\&^{*6*}(\%)(\% @+7B.<\&.^{.99.6'\&^{*} /''* <^6<.^'\&^{*} +''?*\&'(. . \% B(<^{*} \% 1 . \% ''9* < /'' + \% 2^ 1 . 1N.<''*9''? . "U66(7. \% '+, "6* 1 1) \% ('2''* \% : 6+15)&^{*} <^{\%} + \% 2^0* , , @ . ^{. 15, *2 1 . \% ''* <^{\%} . 7)6+ '(\% "5 <^* @ < + 1 ''* <^{\%} + 6'(B('2a"$$

U66(7. \% '+, "0* , , @ . " I (, , '+Y. <.^{\&^{*} \% +N, . "&'. 5&''* <.^{\&^{*} \% 7''*'' . +6?^{\%} 6(7. \% ''*9''&. 4)+, " ?+<+&& 1 . \% '' (%B*, B(%@" (%7(B(7)+, &''&)Nb. 6'' ''*''? . " 0* , , @ . A&'' 5*, (6(. &'' '?+'' *66)<'' (%'' 6* \% . 6'(^* \% " I('?' + \% 2^ . 7)6+ '(\% +, "+6'(B('2''* <^*''? . <^{\%} 5 <^* @ < + 1 ''*9''? . (%&'(')'(^* \% /'' + &'' I . , , "+&'' (%6(7. \% '&''?+''*66)<''*)'&(7. ''*9'' '?* & . ^{. 7)6+ '(\% +, "5 <^* @ < + 1 &''* <^{\%} + 6'(B(' . & /'' I ? . ' ? . <'' ? . 2''*66)<''* \% ''* <^{\%} 99''6+15)&'' (9''N+&. 7''* \% '' ? . " +, , @ + '(\% & /'' ? . < . " (&'' < . + &^{*} \% ''*''N . , (. B . '' ? + '' ? . " (%6(7. \% ''*6*) , 7''6* \% <^{\%} (N) ' . ''*'' +'' ?* &' (, . ^{. 7)6+ '(\% +, " . \% B(<^{*} \% 1 . \% ''* <^{\%} ''*''? . < I (& . " \% ' . < 9 . < . " I ('?' +''&') 7 . \% 'A&'' +66 . &&''*'' . 7)6+ '(\% a"

C. @+<7, . &&''*9'' I ? . ' ? . <'' +''6* 15, +(\% ''?+&''N . . \% 9(, . 7'') \% 7 . <'' ? . "@<(. B+%6. "5*6. 7)<.^{\&^{*} } , (% . 7''N . , * I /' (9'' ? . " 0* , , @ . " Y \% * I & /'' * <^{\%} < . + &^{*} \% +N, 2'' & ? *) , 7'' Y \% * I /'' +N*) '' 5* && (N, . " & . 4)+, " ?+<+&& 1 . \% '' (%B*, B(%@" (%7(B(7)+, &''&)Nb. 6'' ''*''? . " 0* , , @ . A&'' 5*, (6(. &'' +'''' ? . '' (1 . /'' ? . " 0* , , @ . " I (, , "5 <^{\%} 15', 2'' (%B . &' (@+ . ''*'' 7 . ' . < 1 (% . " I ? . ' ? . <'' ? . " +, , @ . 7''6* \% 7)6'' 1 * < . , (Y . , 2'' ? + \% ''*''*66)<< . 7''* <^{\%} ''*''? . < I (& . < . &5* \% 7'' (9'' ? . "

! "#\$%&' (&) * + , \$ & - , . , // 0 % 1 # &

_>(',\$E"J.4)+,"O+<+&&1.%"`("&+"&)N&."*9"G<*(N('7"0*%7)6'a"W%7.<" ; .5+<'1.%"*9"37)6+'(*%<.@),+'(*%&"\ "S="0aLaCa"G+<'!RKJ]"(&&).7"(%Q+2"#R#R"*"(15,.1.%">(',\$E"*9"?."37)6+'(*%<H1.%"71.%"&"*9"! [M#/'?'."0*,,.@"(&"<.X)(<.7"*5<*(N("6.<+("%9* <1 &"*9&.4)+,"?+<+&&1.%" +&7.9(%7"(%"?*&."<.@),+'(*%&a""

G<*(N('7"0*%7)6"1.. '&""?."7.9(%('(*%*9">(',\$E"J.4)+,"O+<+&&1.%" I?."%V""

H%"315,*2.. "6*%7('(*%&"?."5<*B(&(*%*9"+%"+(7/"+"N.%9('/"*<+"&.<B(6."*%"+%")(%7(B(7)+,A&5+<'(6(5+'(*%")(%)%I.,6*1."&.4)+,"6*%7)6"\"(a.a"" &.4)+,"?+<+&&1.%"I('?(%?'."W%('7"J'+'.&i"*<"

H"J')7.%"/'315,*2../"*<">?(<7"G+<'2".%@+@.&"(%)%I.,6*1."6*%7)6"*%""?."N+&(&"*9&.4'?'+"I*),7N."7.'.<1(%7"N2"+<.+&*%+N,.5.<&*%""*N."&*%&.B.</'5.<B+&(B./+%7"*Nb.6'(B.,2"*99.%&(B."?'+"('".99.6'(B.,2"7.%(.&"+%*?'.<5.<&*%".X)+,"+66.&&"*""?."0*,,.@"A&"5<*@<+1&* <"+6'(B('.&/'(%""?."W%('7"J'+'.&i"*<"

H"J')7.%"/'315,*2../"* <">?(<7"G+<'2".%@+@.&"(%"J.4)+,"H&&+),/' ; *1.&'(6" - (*,.%6./ ; +'(%"@" - (*,.%6./"*<"J.4)+,"+%7g* <"^.%7.<:N+&.7"J'+,Y(%@"+&"7.9(%7"N.,*Ii"+%7"

- o >?."+,.,.@"7"6*%7)6" I +&"5.<5.'<+'.7"+@+(%&'"+"5.<&*%("?"?."W%('7"J'+'.&i"+%7"
- o >?".6*%7)6""*Y"5,+6."I('?(%""?."0*,,.@"A&"5<*@<+1&"+%7"+6'(B('.&a"

0*%7)6""+Y.&"5,+6."I('?(%""?."_0*,,.@"A&"5<*@<+1&"+%7"+6'(B('.&"I?."%""?+"6*%7)6""*66)<&V\!]"(%"+,*6+!(*%/'+"+"%".B.%/'/*<'(%"+6(6)1&"+%6."I?.<."?"0*,,.@"."4.<6(&.&"&)N&'+%'+,"6*% '<*,*B.<N*?'""?."<.&5*%7.%"+"%7""?."6*%'4"(%"I?(6?""?."6*%7)6""*66)<&i"*<"#\#]"(%"+%2"N)(,7(%@"*I%.7"*<6*%'<*,.7"N2"+&')7.%"* <@+%(d+'(*%<.6*@(d.7"N2""?."0*,,.@"a"3B.%&"?'+"*66)<"*99"6+15)&"* <

- f C.+&*%+N,. "5.<&*%" 1 .+%&"+<.+&*%+N,. "5.<&*%")%7.<&(1(,+<"6(<6) 1 &'+%6.&"+%7" I ('?'&(1(,+<"(7.%'('.&"*"'?'."6* 1 5,+(%+% 'a"
- f J)N&'+'(+,". 1 *'(*%+, "7(&<.&&" 1 .+%&"&(@%(9(6+% "" 1 .%'+"&))99.<(%@"*<"+%@)(&?"'?"+" 1+2"N)" "7*.&"*""%.6.&&+<(,2"<.X)<." 1 .7(6+,"*<*"?'<"5<*9.&&(*%+, "'<+' 1 .%"*<"6*)%&.,(%@a

; +'(%@"B(*, .%6. "+&'7.9(% .7"("%'?'>(', ."\$E" ; +'(%@" - (*, .%6. "7.9(%('*%" +N*B. "'?+'7(7"%*'<.5* <' .7,2" *66)<"(%+"5<*@<+ 1 "*<'+6'(B('2"*9"'? . "0* , , .@. "(%'"?' . "W%(' .7"J'+'.&a"

; * 1 .&'(6"B(*, .%6. "+&'7.9(% .7"("%'?'>(', ."\$E" ; * 1 .&'(6" - (*, .%6. "7.9(%('*%" +N*B. "'?+'7(7"%*'<.5* <' .7,2" *66)<"(%+"5<*@<+ 1 "*<'+6'(B('2"*9"'? . "0* , , .@. "(%'"?' . "W%(' .7"J'+'.&a"

>+Y(%@"&.4)+, "+7B+%'+@. "*9+%*'?'<"5.<&*%9* <'?' . "N.% .9("9"+%2*% . "*'?'<'?'+'5.<&*% "I ('?*)" ' ?+'5.<&*%A&"+99(< 1+'(B. "6*%&. %' /"(%6,) 7(%@"N)"%*', (1 (' .7"*'/'+'2"*9"'? . "9* , , * I (%@"+6'&V" >? . "5<*&'(')'(%@"9"+%*'?'<"5.<&*%i" >? . "'<+99(6Y(%@"9"+%*'?'<"5.<&*%/"7.9(% .7"+&'?' . "(%7)6. 1 .% "'9"+5.<&*% "'*5.<9* <1 "+" 6* 1 1 .<6(+, "&.4"+6'/'* < , +N* <' * < & . <B(6.&'?'<*)@?'9* <6. /'9<+)7/'* <6* .<6(%i" >? . "<.6* <7(%@"9" (1+@ .&' /"(%6,) 7(%@"B(7. "* * <5? * * @ <+5? /" * <+) 7(*"9"+%*'?'<"5.<&*%A& "&.4)+, "+6'(B('2" * < (" (1+' . "5+<'&' I ('?*)" ' ?+'5.<&*%A&"+99(< 1+'(B. "6*%&. %' i" >? . "7(&'<(N)'(%"9" (1+@ .&' /"(%6,) 7(%@"B(7. "* * <5? * * @ <+5? /" * <+) 7(*"9"+%*'?'<"5.<&*%A& "&.4)+, "+6'(B('2" * < (" (1+' . "5+<'&' (9"'? . "(%7(B(7)+, "7(&'<(N)'(%@"'?' . "(1+@ .&' * <+) 7(*" Y% * I & * * <'&'?), 7" ?+B. "Y% * I % "'?+'?' . "5.<&*% "7.5(6'.7"("%'?' . "(1+@ .&' * <+) 7(*"7(7"%*' +99(< 1+'(B. ,2"6*%&. % "' * "'? . "7(&6, * &)<.i"+%7g* < >? . "B(. I (%@"9"+%*'?'<"5.<&*%A& "&.4)+, "+6'(B('2" * < (" (1+' . "5+<'&' /" (%+"5,+6. "I ? .<' ?+' *'?'<"5.<&*% "I *), 7" ?+B. "+<. +&*%+N, . .45.6'++'(%"9" 5<(B+62/" I ('?*)" ' ?+'5.<&*%A& "+99(< 1+'(B. "6*%&. %' "

V" j)(7" 5<*" X)*" ?+<+&& 1 .% " *66)<&" I ? .% " &)N1 (&&(*%" ' * " * <"
<.b.6'(*%"*9")% I .,6* 1 ."6*%7)6'("&)"&.7/" .45,(6('2"*<"(15,(6('2"/"+&"'? ."N+&(&"9*<"7.6(&(*%&"
+99.6'(%@" +%" (%7(B(7)+,A&" .7)6+'(*%" \.a@a/" +71 (&&(*%/" +6+7. 1 (6" &'+%7(%@"/" @<+7.&/"
+&&(@% 1 .% 'j" . 15,*21 .% " \.a@a/" ?(<(%@"/" +7B+%6. 1 .% '/" +&&(@% 1 .% 'j" * <" 5+<'(6(5+'(*%" (% " +"
0* ,. @ . "5<*@<+ 1 " * <" +6'(B('2" \.a@a/" 6+ 15) & " ? *) & (% @] a

+6'(B."<.&5*%&.a"H%("7(B(7)+," I ?*"7* .&"%*"5?2&(6+,2"<.&(&"*<"B.<N+,2"<.9)&."&.4)+,"
+6'(B('2"(&"%*"%.6.&&+<(,2"@B(%@"6*%&.%'a"C.,2(%@"&*,.,2")5*% "%*%:B.<N+,"6* 1 1)%(6+'(*%
6+%",.+7"*"+9+,&."6*%6,)&(*%"+&"*" I ?.'?.<"6*%&.%'" I +&"&*)@?"*<"@B.%a"

f _____ "H99(< 1 +'(B."6*%&.%'" 1)&'N."*% @*(%@"?<*)@?*"')"'?."+6'(B('2a"0*%&.%'" 1 +2"
N." I ('?7<+ I %"N2"+%2"5+<'2"+'+%2"(1 .a"C.6*%@%(d(%@"?."72%+ 1 (6"%+')<."*9"&.4)+,"+6'(B('2/"

_0* .<6(*%`"(&"'?. "(15<*5.<")&. " *9"5<.&&<." '* "6* 15., "+%*'?.< "(%7(B(7)+, " '* "(('+' . " *<"6*%'(%). "

0* .<6(*% "6+% "(%6,)7. "+" I(7. "<+% @. " *9" N. ?+B(*<&/"(%6,)7(%@"%'(1(7+'(*%/" 1+% (5), +'(*%/"?'<.+ '&/" +%7" N,+6Y 1+(,a" H"5.<&*%A&" I *<7&" *<"6*%7)6"" +<." &)99(6(. % "' '* "6*%&'(')'. "6* .<6(*% "(9"'?. 2" I <*% @9),,2" (15+(<+%*'?.< "(%7(B(7)+,A&"9<. .7* 1 " *9" I(, "+%7"+N,('2"'*6?***&. " I ?.' ?.<"*<"%*" "*" *". % @+@. "(%&. 4)+, "+6'(B('2a"34+ 15, .&" *9"6* .<6(*% "(%6,)7. "'?<.+'. %(@"'*"_*)' ^&* 1 . *% . "N+&. 7"*% "&. 4)+, "*<(. % '+'(*%/" @. %7.<(7. % ('2"'*<"@. %7.<" .45<.&&(*% "+%7"'?<.+'. %(@"'*"?+< 1 " *% . &.,9"(9"'?. " *'?.<"5+<'2"7* .&"%*" ". % @+@. "(%"'?. "&. 4)+, "+6'(B('2a" c ? . % "&* 1 . *% . "(%7(6+' .&/" B. <N+, ,2" *<"5?2&(6+, ,2/"?'+'?' . 2"7*"%*'"

6*%9(7.%'+('2a">?.&."(%7(B(7)+,&"<."5<?*?(N('7"9<*1"N<.+Y(%@"6*%9(7.%'+('2")%.,&&'?'<."(&"+%
(11(%.%'"'"?'<."*9"?+<1""*"&.,9"*<"*?'<.&a"H%"(7(B(7)+,"I?*"&..Y&"6*%9(7.%'+,"+&&(&'+%6."1+2"7*"
&*N2"&5.+Y(%@"I('?"5<*9.&&(*%+,&"I?*"?"B."+".,@+,,2"5<*'.6'.7"6*%9(7.%'+('2a">?.6*%9(7.%'+,"
<.&*)<6.&" +B+(,+N,." '*"(7(B(7)+,&" *%" 6+15)&" +<." ,(&'7" N.,*Ia" 8*"/" ?*I.B.</" '?+' "'?&."
6*%9(7.%'+,"<.&*)<6.&"<."X)(<.7"N2"&'+'." ,+I""*%*(92"6?(,7"5<*'.6'(B."&.<B(6.&"+%7g*,&*6+,"+I"
.9*%<6.1.%""*9"+%2"<.5*%<"I?(6?("%B*,B.&"&)&5.6'.7"+N)&."*9"+1(%*%<)"%7.<"'?. "+@."*9"!Pa"

;%G+%/#/&>3.&B31>"7%1#",.\$"#@&

H"5.<&*%"1+2"7.&(<."*"<.5*%<"G<?*?(N('7"0*%7)6""*"'?.0*,,@."N)""*%1+(%'+(%6*%9(7.%'+('2i"
(9"&*/"'?.0(B("C(@?'&"D">(',\$E"0**<7(%+ '*<"I(,,".B+,)'&)&6?"<.X).&'&a" c ?<."+6*15,+(%+%'"
<.X).&'&"?'+'?'."6*15,+(%+%'&"%+1."*%<"*?'<.(7.%'(9(+N,."%9*%<1+'(*%%"*%"N."&?+<.7" I('?'?'."
<.&5*%7.%""*%<"?'+"%*"9*%<1+,"+6'(*%N.""+Y.%/"'?.0(B("C(@?'&"D">(',\$E"0**<7(%+ '*<

="/6\$3/+./& ;%G+ ".%7& :@& !9%&B\$%.@& I6#&

H" _>(1 .,2" c +<%(%"`" (&" + 6+15)&: I(7. " %*'9(6+'(*% " *9" + &.<(*)&" *<" 6*%'(%))(@" ' ?<.+ " '* " ?." U66(7. % '+, "6* 1 1)%('2a">? . ">(1 .,2" c +<%(%"7* .&"%*" (%6,)7. "(7. % '(92(%@"(%9* < 1+'(*%" +N*) "" ?." 6* 15,+(%+% 'a"\$9"+<.5* <"*9" 1 (&6*%7)6"7(&6,*& .&+"6*%'(%))(@" ' ?<.+ "(%B* ,B(%@"*% . "*9" ? . "&5.6(9(.7" _0, .<2"6<(1 .&`" " * " ? . "U66(7. % '+, "6* 1 1)%('2/" ? . "0* , , @ . "1+2"(&&) . "+6+15)& I(7. "(1 .,2" I +<%(%" \ I ?(6?"6+% " +Y. " " ? . "9* < 1 "*9" +% . 1 +(, " " * "6+15)&]" " * "5<* . 6" " ? . " ? . +, ' ? " * < "&+9. '2" *9" ? . "6* 1 1)%('2a"

H, " ? (@ ? . < " .7)6+'(*% "(%&'(') '(*%&" ? + " ? < .6.(B. "9.7. < +, "9)%7(%@" (%6,)7(%@" " ? . "0* , , @ . /" +< . *N, (@ + ' .7" '* " (&&) . "5)N,(6,2" + "%H%%) +, " J.6) < ('2" C.5* < " _HJC`]" I ?(6?" (7. % '(9(.&" ? . "%) 1N. < "9" 5+< (6), +< " < .5* < ' .7"6<(1 .&" *% "6+15)&" * < "6+15)&"5<*5. < '2/" * < " +7b+6. " " " * "6+15)&a">? . "HJC"7* .&" *% " (%6,)7. " (7. % '(92(%@"(%9* < 1+'(*%" +N*) "" ? . "6* 15,+(%+% " * < "&5*%7. % 'a"

H, " ? (@ ? . < " .7)6+'(*% "(%&'(') '(*%&" ? + " ? +B. "6+15)&"5* ,(6. "9* < 6. &" * < "&6.) < ('2"7.5+< '1. % '&" 1)&" 1+(%'+(%" + "7+(,2"6<(1 . , * @ " ? + " (%6,)7. &" . % ' < (.&"9* < +, "6<(1 .&" ? + " *66) < " I ('? (% "N* ? " ? . "0, .<2" @ . * @ < +5?2" + "%7" ? . "6+15)&" & +9. '2"9* < 6. A&" < . @ , +< "5+< * , " < *)' . a">? . "6<(1 . , * @ "7* .&" *% " (%6,)7. " (7. % '(92(%@"(%9* < 1+'(*%" +N*) "" ? . "6* 15,+(%+% " * < "&5*%7. % 'a"

G\$?8.&' ,E!O?&'8, :!

>? . "0* , , @ . "&" < *% @ ,2" . %6*) < + @ . & + , , "(%7(B(7)+, &" * " & . .Y" + && (&' + %6. "9* < "1" + "1.7(6+, "5<*B(7. < " + %7g* < " , + I . %9* < 6. 1. % " (1 1.7(+ . ,2" +9' . < + "%6(7. % " *9" & .4) +, "B(*, . %6. a">? (&" (" ? . "N. &" *5' (*% " *% . %&) < . " 5< . & . < B+ (' *% " *9" . B(7. %6. " + %7" * "N. @ (% " + " (1 .,2" (%B. &' (@ + '(

+ "<(&Y"*9"?+<1 "'*"'?. "6* 15,+(%+% '/'<.&5*%7.% '/'*<"*"'?. "N<*+7.<"6+ 15)&"6* 1 1)%('2"+%7" I(,,"+Y." &' .5&"*"+77<.&&"?*&.<(&Y&a">?.&.&' .5&" 1+2"(%6,)7."(%' .<(1 "&)55*<'(B."*<"5<*'.6'(B." 1 .+&)<.&"* 5<*B(7."9*<"'?. "&+9.'2"*9"'?. "(%7(B(7)+,"+%7"'?. "6+ 15)&"6* 1 1)%('2a""

C.5*<'&"*9"B(*,+('*%&"*9"'?(&"G*,(62" 1+2"N." 1+7." '*"'?. "0(B,"C(@?'&"D">(',\$E" 0**<7(%+'*<a"H" 9*<1+,"6* 15,+(%'" 1+2"N." 9(.7"+'+%2"'(1 ."N2")&(%@"'?. "9*<1 "5<*B(7.7"+' "[I I I a*42a.7\)g&.4](#))+, :<.&5.6':('.,:(4a"H"9*<1+,"6* 15,+(%'" 1+2"N."&)N 1 ('.7"N2"7<*55(%@"('"*99"+"'?. "0(B,"C(@?'&"D">(',\$

H^0"C**1"!!!"
I I I a*42a.7)g6(B(:<@?'&:'(',..:(4"

>?. "0(B,"C(@?'&"D">(',\$E"0**<7(%+'*<" I(,"<.6.(B. ""?. "+%*%2 1 *)&"<.5*<" +%7" I(,"7. '.<1(%." +%2"

>?. "Z)<.+) "9*<"G<(B+'."G* &'.6*%7+<2"37)6+('(%"+66.5'&"+,, "25.&"*9"6* 1 5,+(%'&<.,+'.'7"*
'?. " 0*,,. @. " +%7" 1+2"<.9.<" +%2" 6* 1 5,+(%'" ("<.6.(B.&" (%6,)7(%@" 6* 1 5,+(%'&<.,+'.'7" '*
(%&'(')'(%'+, " 5*(6.&' *"< 5<*6.7)<.&' *"<N*?'/" '*"'?. " 0*,,. @./" +%"+66<.7('@" +@.%62/" *"<
+%*?'<"+55<*5<(+'. "%'('2"9* "<.&*,)'(%*a"
Z)<.+) "9*<"G<(B+'."G* &'.6*%7+<2"37)6+('(%"
#FSF"0+5('*, "U+Y&" ;<(B./"J)('."=RR"
J+6<+ 1. % '*"/"OH"[FPSS"
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A#9%.&; %<3.#"1F&B31/"7%.,#"31/k

0* 1 5,+(%+% '&"+%7"?'<7:5+<2" I ('% .&&.&'+<." %6*)<+@.7" '*"<.5* "<"G<*?(N(' .7"0*%7)6"'+&"&*%"+&
5* &&(N,." (% " *<7.<' '* " 1+4(1(d." '?'." 0*,,. @.A&" +N(,'2" '* "<. &5*%7" 5<* 1 5',2" +%7" .99.6'(B.,2a">?. "
0*,,. @."7* .&"%*/"?'* I.B.<./,(1('"'?." '(1."9<+1."9* "<.5* "<('@"\$9"?'<.&5*%7.%'"(&"%*"+" 1.1N.<
9"?'."U66(7.%'+, "6 1 1)%('2"'"?'."0*,,. @." I(,,"&'('&., "Y"'"*"+Y." '&' .5&"'"*%."%7"?'."?'<+&& 1.%'/'5<.B.%"
('&'<.6)<<.%6./" +%7" +77.&&" ('&' .99.6'&/" N)'" ('&' +N(,'2" '* "'+Y." 7(&6(5,(%+<2" +6'(%*" +@+(%&"'"?'." <.&5*%7.%'" 1+2/"*9"6*)<.&./"N,.(1(' .7a"H%("6(7.%'"7* .&"%*"?'<+B."*"**66)<"*%6+1 5)&"*N."<.5* "<.7"
'*"'?'."0*,,. @.a"

>?. "0*,,. @."&'<*%@,2".%6*)<+@.&"?'<.5* "<('@"*9"G<*?(N(' .7"0*%7)6"')%7.<"?'(&"G*,(62a"\$'"(&"(%"?'." N.&"'(%'<.&"*9"?'(&"6* 1 1)%('2"?'+"&" 1+%2"6* 1 5,+(%+% '&"+&5* &&(N,."6?*"**."*" "<.5* "<"*%6*,,. @." *99(6(+,&" +%7"?'+" 5+<(6(5+&'&("%"?'."@<(.B+%6." 5<*6.&&"+<."9* "<'?<(@?"'("%&'<+<@%)("9* "<1+'(%*a">" @)<+<7" +@+(%&"'7(&6*)<+@(%@"<.5* "<('@"*5+<(6(5+&'(%*"/"+&')7.%'" I?'* "<.5* "<'&"G<*?(N(' .7"0*%7)6"'"* "< 5+<'(6(5+&'&("%"?'."@<(.B+%6." 5<*6.&&"/.'?'<+&" +6* 1 5,+(%+%'/'<.&5*%7.%'/'* "<+"?'<7:5+<2" I ('% .&&/" I(,,"%*"N."&)Nb.6"'"*7(&6(5,(%+<2" +6'(%*"N2"?'." 0*,,. @."9* "<5.<&*%+, "6*%&) 1 5'(%*"9"+,6*?'*," * "< 7<)&"* "<*"?'<. "<B(*,+('(%&"*9"?'."6*%7)6"5*,(62"\%*"("6,)7(%@"'?)(&"G*,(62)"+"* "<%" .<+<?"'."(1."*9"?'." (%6(7.%'/'5<*B(7.7"?'+" +%2"&)6? "B(*,+('(%&"7(7%"*"+%7"7*%"*5,+6."?'."?'<+?'* "<+9.'2"*9"+%2" *?'<."5.<&*%+" "<(&Y"+%7"7*%"*")%B*,B."5,+@(<+<6 1/'6?.'+'(%@"* "<+6+7.1(6"7(&?'*%&.'2a">?. "0*,,. @." 1+2"?'* I.B.<./"(%('+'." +% .7)6+('(%+, "7(&6)&&(%*" * "<5)<.&)." *?'<.<.7)6+('(%+, "<.1.7(& I('?"?'." &')7.%'"<.@+<7(%@"+,"6*?'*," * "<*"?'<.<7<)&@a"Z.(%@"(% '*4(6+' .7" * "<(1 5+<.<7"N2"7<)&"* "<+,"6*?'*," (&"%*" 7.9.%&."*" +%2"B(*,+('(%*"9"?'(&"G*,(62"+%7"7* .&"%*"7(1(%(&'*%*.A&"<. &5*%&(N(,'2" '*"*N'+("6*%&.'% 'a"

>?. "0*,,. @."&'<*%@,2".%6*)<+@.&"6* 1 5,+(%+% '&"*5)<.&)."6<(1(%+, " +6'(%*"9* "<("6(7.%'&"*9"&.4)+, "?"<+&& 1.%'/'&.4)+, "B(*,.%6./" +%7" (%'(1+'." 5+<'%<. "<B(*,.%6." '?'+" 1+2" +,&* "N." 6<(1.&")%7.< 0+, (9* "<%(+," +I a">?. "0*,,. @." I(,,"&&(&"+" +6* 1 5,+(%+%'"(% 1+Y(%@"+"6<(1(%+, "<.5* "<" +%7"6*%5.<+'." I('?' +I" .%9* "<6.1.%'+@.%6(&."9"+6* 1 5,+(%+%'"7.6(7.&"*5)<.&)."?'."6<(1(%+, "5<*6.&&"*"'?." .4".%'" 5.<1(' .7" N2" ,+I a">?. "0*,,. @.A&" G*,(62)"7.9(%('(%&"/" +%7" N)<7.%" *9" 5<*%9" 1+2" 7(99.<" 9<* 1" 0+, (9* "<%(+<6<(1(%+, " +I a"H"6* 1 5,+(%+%'" 1+2"&..Y<.&6*)<.&.)%7.<"?'(&"G*,(62"+%7g* "<5)<.&)."6<(1(%+, " +6'(%*a"8.'?'<+," +I" .%9* "<6.1.%'&A&"7.'<1(%+'(%*" I?'.'?'<."* "<%"*"'*5<* &.6)." +<.&5*%7.%'/'%*" "<?"'." *)'6* 1."*9"+%2"6<(1(%+, "5<* &.6)('(%*"/"+<.7.'<1(%+'(B."*9" I?'.'?'<+"B(*,+('(%*"9"?'(&"G*,(62)"?<+&*66)<<.7a"

G<*6..7(%&")%7.<"?&"G*,(62" 1+2"N."6+<<(.7*)"'5<(*<"*/&(1),'+%.*)&,2" I('?'/*<"9*,,* I(%@"6(B(," *<"6<(1(%+, "5<*6..7(%@&"*99"6+15)&a">?. "0*,,.@. " 1+2"*%*"7.,+2"6*%7)6'(%@"('&"* I"(%B.&'(@+'(%%)%,,&&"&5.6(9(6+,2"<.X).&'.7"N2"'?.",+I".%9*%<6. 1.%'"\".a@a"/mHG ;]a"\$%""?. ".B.%""*9"&)6?"+"&5.6(9(6 <.X).&"/" '?. "0*,,.@. " I(,,"7.9.<" ('&"(%B.&'(@+'(%%*"%,2"7)<(%@" '?." '(1." '?+'",+I".%9*%<6. 1.%'" (& @+'?<(%@" .B(7.%6./" I?(6?'&?*) ,7"%*" .46..7"' .%"7+2&" +N&.%'" .4' .%) +'%@"6(<6) 1&'+%6.&a">?. " 0*,,.@. " I(,,"%B.<'?. ,&&"6* 1 1)(6+'." I('?' '?' . "6* 15,+(%+%'" +%7"<.&5*%7.%"" \ (9"+55<*5<(+'.]" <.@+<7(%@">(',"\$E"<(@?'&/"5<*6.7)<+, *5'(%%&/" +%7"'?. "(15,. 1.%'+(%%*"9"&)55*%<'(B." 1.+&)<.&"*"+&&<."&+9.'2"+%7" I.,,: "N.(%@"a">?. "0*,,.@. " I(,,"5<* 15',2"<.&) 1."9+6':@+'?<(%@" +&"&*%*" +&" ('(%& (%9*%<1.7"'?+'",+I".%9*%<6. 1.%'"?+&"6* 15.,'.7"('&"(%('+(,%B.&'(@+'(%%a"

>?. "0*,,.@. " +Y.&'?' . "+66)<+62"*9"(%9*%<1+'(%%B.<2"&.<("&.&,2"/"+&" +<.5*%<"*9"G<*?(N(' .7"0*%7)6'" 1+2"?+B."&B.<."6*%&.X).%6.&a"H"@**7:9+('?'6* 15,+(%+"?'+'<.&),'&'(%"+9(9%7(%@"*9%*"%'<.&5*%&(N,." (&"%*" 6*%&(7.<.7"+'9+,&."*%<'9+N<(6+' .7"<.5*%<"*9"G<*?(N(' .7"0*%7)6'a" G+<'(.&"+%7" I('%.&&.&"+<." .45.6'.7""*5<*B(7." '<)'9),(%9*%<1+'(%%""*"'?."\$B.&'(@+'*%<"O.+<(%@"U99(6.</" +%7"H55.+,&"U99(6.<a" J?*) ,7"+%2"5+<'2"/"*<+" I('%.&&/"5<*B(7."Y%* I(%@"2"9+,&."(%9*%<1+'(%%"+&"5+<"*9"'?(&"5<*6.&&""?(&" 1+2"N."6*%&(7.<.7"+B(*,+'(%%*"9"0*,,.@. "5*,(6.&"+%7" I(,,"N."<.9.<<.7""*"'? ." +55<*5<(+'. *99(6."9*%< 9)<'?.<"?+%7,(%@"a"\$'"(&" +B(*,+'(%%*"9"'? ."0*7."*9"J')7.%""0*%7)6'"* 1+Y." +%"('%.'%*(%"+,2"9+,&." <.5*%<"*9"+%2"5*,(62"B(*,+'(%%"/+%7"(' 1+2"+,&*B(*,+'."&'+".6<(1(%+, '&+')'.&"+%7"6(B,"7.9+1+'(%% "+I&a"

W%7.<"0+, (9*%<(+, +I"/+%("7(B(7)+, " 1)&' 1+Y." + " 1+%7+*%<2"<.5*%<"*9"&)&5.6'.7"6?(,7"+N)&." +%7" % .@. .6"/"(6%),7(%@"&.4)+, +&&+), " I?."%""?+"%7(B(7)+, "%""?<(<5<*9.&&(%%+, "6+5+6(2"*<" I('?'(%""? ." &6*5."*9""?<(<. 15,*2 1.%"/"?' +&"Y%* I., .7@."*9/"*%<"*N&.<B.&"/" + 1 (%%<")%7.<"?." +@."*9"!P" I ?* 1 ""? ." (%7(B(7)+, Y%* I &"*%<.+&*%+N,2"&)&5.6'&'?+&"N.%""?."&)<B(B*%<"*9"6?(,7"+N)&."*%<%.@.,.6'a" H,," 0*,,.@. " 15,*2. .&"+<."<.X)<.<.7""*(1 1.7(+'. ,2"<.5*%<" +%2"&)&5.6'.7"6?(,7"+N)&." +%7"% .@. .6""* "'? ."0(B("C(@?'&"D">(',"\$E"0**<7(%+"*%<"+%7"'? ." ; (<.6'*%<"*9"0+15)&"J+9.'2a">?."&*)<6."*9"+N)&." 7*.&'%*"%. .7""*N."Y%* I"(%""%<7.<"*9(.," +<.5*%<'a">?. "0*,,.@. " I(,,"<.5*%<" +, "&)&5.6'.7"6?(,7" +N)&." +%7"% .@. .6"/"(6%),7(%@"&.4)+, +&&+), "/"*",+I".%9*%<6. 1.%'" +%7g*%<'?' .m*&"H%@.,.&"0*%)'2" ; .5+<' 1 .%"*9"0?(,7"+%7"L+1 (,2"J.<B(6.&a"\$'"(&"%""'?"<.&5*%&(N(,'2"*9"+%2". 15,*2. /"&')7.%"/%< "B*,)%' .<"*%<(%B.&'(@+'."&)&5.6'.7"6?(,7"+N)&."a">?(&("&"?' .<*,. "9"0?(,7"G<*'.6'(B."J.<B(6.&"+%7" ,+I".%9*%<6. 1.%'a"

\$%" +77'(%%""*%*"92(%@"'?' ."0(B("C(@?'&"D">(',"\$E"0**<7(%+"*%<"+%7" ; (<.6'*%<"*9"0+15)&"J+9.'2/" +%2"(%7(B(7)+, " 1+2" 1+Y." +7(<.6""<.5*%<" +&"9*,,* I&V"

f \$9"+6?(,7"("&"(1 1.7(+'.7+%@.</"6+,,"[! !a"

f \$9""?<."(&"%*" (1 1.7(+'.7+%@.</"6*%'+6""? ."0?(,7"G<*'.6'(%%O*),(% .#="*?)< &"+7+2"/M"7+2&"+ I . .Y"/" + "\PRR"]F=R:=RRRa"\$9"6+, (%@"9<* 1 *)'&(7."*9"0+, (9*%<(+/"6+,,"#\!S]"KS[:="FRRa"

H%2"U66(7.%'+, . 15,*2.. I?*"("&"+&*"+6*%9(7.%'(+, . 15,*2.. \9*%<.4+15., /" +"'? .<+5(&/'&.4)+, +&&+), "B(6'(1"+7B*6+'.)'5?2&(6(+%)"+%7" I?*" I +&"?<.<.7"(%""?' +""6*%9(7.%'(+, "<*,. "&?*) ,7"<.5*%< "&)&5.6'.7"6?(,7"+N)&."*%<%.@.,.6""*",+I".%9*%<6. 1.%'" +%7g*%<'?' .m*&"H%@.,.&"0*%)'2" ; .5+<' 1 .%"*9"0?(,7"+%7"L+1 (,2"J.<B(6.&N)" I*) ,7"%*" 1+Y." +%2"&)6?"<.5*%<"*9"'? ."0(B("C(@?'&"D">(',"\$E" 0**<7(%+"*%<"*%<'?' ." ; (<.6'*%<"*9"0+15)&"J+9.'2a"

M-??8.&'(\$!P\$+:-.\$:!,@!G\$=\$@'\$:!

W5*%<.6.(5''*0"+<.5*<'/'?'."0*,,.@."I(,"5<*B(7.<.&*%+N,."+%7"+55<*5<(+'."&)55*<'(B."1.+&<.&"
7.&(@%.7" '*" 5<.&.<B." .X)+,"+66.&&" '*" '?." 0*,,.@.A&" 5<*@<+1 &" +%7" +6'(B('.&/' +%7" '*" 5<*'.6" '?."

- f 0?+@.("%*%:6+15)&"?*)&(%/" I?.%9.+&(N,./"*<+<<+@(%@"*7(&&*,B."+"?*)&(%@"6*%'<+6'" +%7"5<*<+('%@"+<.9)%7("%"+66*7+6." I('?'6+15)&"?*)&(%@"5*,(6(.&i"
- f m(1('@"+"(%7(B(7)+,"*%<@+%(d+'(*%A&"+66.&&"*6.<+'(% 0*,,.@"9+6,(('.&"*%<+'(B('.&" 5.%7(%@"<.&*,)')(*%"*9"?." 1+' .<i"
- f - *,)%'+<2",.+B."*9"+N&.%6.i"
- f G<*B(7(%@"+"% .&6*%<'""*% .%&)<.&+9." 1*B. 1.% "N. ' I . .%6,+&&.&"+%7"+6'(B('.&i"
- f G<*B(7(%@"+6+7. 1(6&)&55*%<'&&.<B(6.&/"&)&6?"+&"")' *%<(%@i"
- f \$%'<(1"&)&5.%&(*%"*%<0*,,.@".(15*&.7",.+B.i"
- f H%2"*'?.<.<. 1.72"'?+"6+%N." "+(*<.7""*"'?. "(%B*,B.7"(7(B(7)+,&"*%<. +&*%+N,2"+6?<.(B."?' . @*+,&"*9"?(&'G*,(62a"

'1#%." 0 &)+/ < %1/"31&3.&)% < , , , # "31&

\$9"'?. 0*,,.@"7. '.<1(%.&"?'+"''?."6*%7)6'/"&"+,,.@"7/"5*&.&"+5?2&(6+,"&+9.'2"<(&Y""*%*%."*%< 1 *%< . &')7.%&/'*%<'""*"'?. 0*,,.@"A&" .7)6+'(*%+," .%B(<*% 1 .%/'/"?'." 0*,,.@" 1+2"&)&5.%7"'?.<.&5*%7.%/' *%"+%(''<(1"N&(&/'9<* 1"'?. 0*,,.@"/'9<* 1<.&7.%6."?+,&/'*%<9<* 1"&5.6(9(6'5<*<+ 1"&"*%<+6'(B('.&a" H%2"&)&6?"+&&.& &1 .% "' I(,"N." 1+7."*%"+6+&. :N2:6+&."N&(&/"N&.&.7"*%"+%"(7(B(7)+,(d.7"&+9.'2"+%7" B(*,.%6."<(&Y"++&,2&(&a"\$9"'?. 0*,,.@"7. '.<1(%.&"?'+"''?)"(1 1.7(+."5?2&(6+,"?<+'""*"'?."?>,"?'*%< &+9.'2"*9&')7.%&'&"*%<'?.<.&"b)&'9(.&<. 1*B+,"/'?."%''?."<.&5*%7.% "' 1+2"N."&)&5.%7.7"*%"+%(''<(1 " N+&(&a">?.7.6(&(*%"*7*%&* I(,"N."5<*B(7.7""*"'?.<.&5*%7.% "'(% I<'(%@a""

H'&')7.%&'&.&5*%7.% "' I(,"?+B."+%*55*%<)'(2"*6?+,,.%@".'?."7.6(&(*%"(1 1.7(+."2"9*,,* I(%@" '?'."(%'<(1"&)&5.%&(*%a">*6?+,,.%@".'?."&)&5.%&(*%/'?."<.&5*%7.% "'&?*) ,7"6*%'+6"'?." ;.+%"*9" J')7.%&'&U99(6." I('?'(?"'?'<." \S]N)&(%.&&"7+2&"*% 1 . . " I('?'?." ; .+%*9" J')7.%&'&'<7.&(@% . .]" I?'*% I(,"<.B. I"'?." +55.+,,"*%7. '.<1(%." I?'.'?'<'?'."7.6(&(*%""*%5) ""'?.<.&5*%7.% "'*%*(%'.<(1 " &)&5.%&(*% I +&"+N('<+<2"*<"6+5<(6*)&a" H'7.6(&(*%("&"+N('<+<2"+%7"6+5<(6*)& I?'<."?'<."(&"*% <+'(*%+,"6*%6.'6'(*%N.' I . .%''?."9+6'&5<.&.%'.7"+%7""?."7.6(&(*% 1+7.a">?.<.&5*%7.% "'I(,"<. 1+("% *%*(%'.<(1"&)&5.%&(*% I?'(,"?'." +55.+,("&5.%7(%@a">?.<.&5*%7.% "' I(,"N."%*(9(.7"(%) I<'(%@"*9" '?'."*)'6* 1 . "*9"'?." +55.+,a">?.7.6(&(*%""*%5,+6." +2"<.&5*%7.% "'*%"+%(''<(1"&)&5.%&(*% I(,"%*" N."6*%&(7.<.7+&".B(7.6."?'+"+%2"7. '.<1(%+'(*%?'&N."% 1+7.<.@+<7(%@"5*' .% '(+<.&5*%&(N(,'2a""

G<*B(&(*%&"9*%<)&5.%&(*% "9+6), '2" 1 . 1 N.<&"<." 6*%'+(% .7"(%)?'."L+6), '2"O+%7N*%Y"+%7" 8>>" L+6), '2"0*,,.6'(B."Z+<@+%(%)@H@<. 1 .% "' I?'<." +55,(6+N, .]a"J'+99" 1+2"N."5,+6.7"*% ,.+B."+'"'?." 7(&6<.'(*%"*9"'?. 0*,,.@"/'+"%7"(%)Y. .5(%@" I('?" +55,(6+N, .6*,,.6'(B."N+<@+%(%)@+<. 1 .% '&a"

B. ,.%&, 17&)+<<3.#&; %/3+.6%/&3.&B30<\$, "1, 1#/#, 17&; %/<317%1#/#

>?. 0*,,.@"(&"6* 1 1(' .7""*%<.'+'(%@"+,," 1 . 1 N.<&"*9"'?. 6* 1 1)%('2" I('?'7(@%('2/"6+<./"+%7"<.&5.6'a" H%2" &')7.% "' I?'*% .45.<(%6.&"*% (&"+99.6'.7" N2" B(*,+(*%&)%7.<"?'(&"G*,(62/" I?'.'?'<.'&"+ 6* 15,+(%+%'/'+"<.&5*%7.%/'/*%<+"?'<7:5+<2/" I(,"?+B." .X)+,+66.&&"*%&)&55*%<'"+%7"6*)%&.,(%@" &.<B(6.&"?<*)@?"'?. 0*,,.@"a"

>?. 0*,,.@" &'<*%@,2" .%6*%<+@.& "(7(B(7)+,&"*%<.5*%<' G<*?(N('7" 0*%7)6'a" >?. 0*,,.@" <.6*%@(d.&/'?'* I.B.</'?'+"''?."7.6(&(*%""*%<.5*%<' G<*?(N('7" 0*%7)6'" \ '*"'?. 0*,,.@" +%7g*%<,+ I" .%9*%<6. 1 .% 'J]6+%N."7(99(6), 'a">?. 0*,,.@" &'<*%@,2" .%6*%<+@.& "(7(B(7)+,&" I?'*%<."6*%&(7.<(%@"

I ? . ' ? . < " * " < . 5 * < " G < * ? (N (' . 7 " 0 * % 7) 6 " " * & . . Y " ' ? . " &) 5 5 * < " * 9 " 6 * % 9 (7 . % ' (+ , " 6 + 1 5) & " + % 7 " 6 * 1 1) % (' 2 " < . & *) < 6 . & / " , (& ' . 7 " N . , * I a " > ? . & . " ' < + (% . 7 " 5 < * 9 . & & (* % + , & " 6 + % " 5 < * B (7 . " @) (7 + % 6 . " (% " 1 + Y (% @ " 7 . 6 (& (* % & / " (% 9 * < 1 + ' (* % " + N *) " + B + (, + N , . " < . & *) < 6 . & + % 7 " 5 < * 6 . 7) < + , * 5 ' (* % & / " + % 7 " + & & (& ' + % 6 . " * " . (' ? . < " 5 + < ' 2 " (% " ' ? . " . B . % " ' ? + " " < . 5 * < " + % 7 g * < " < . & * ,) ' (* % ") % 7 . < " ' ? (& " G * , (6 2 " (& " 5) < &) . 7 a " > ? . & . " < . & *) < 6 . & " + < . " + B + (, + N , . " < . @ + < 7 , . & & " * 9 " I ? . % " * < " I ? . < . " " ? . " (% 6 (7 . % " * 6 6) < < . 7 a " " "

> ? . < . " + < . " 1 + % 2 " < . & *) < 6 . & " + B + (, + N , . " * % " 6 + 1 5) & " + % 7 " (% " ' ? . " &) < < *) % 7 (% @ " 6 * 1 1) % (' 2 a " H & " 7 . ' + (, . 7 " N . , * I / " ' ? . < . " + < . " 0 * % 9 (7 . % ' (+ , " C . & *) < 6 . & / " I ? (6 ? " N 2 " , + I " 6 + % % * " & ? + < . " (% 9 * < 1 + ' (* % " I (' ? *) " ' ? . " 6 * % & . % " * 9 " ' ? . " (% 7 (B (7) + , & . . Y (% @ " + & & (& ' + % 6 . " \ (% " 1 * & " 6 (< 6) 1 & ' + % 6 . &] a " > ? . < . " + < . " + , & * " + " B + < (. ' 2 " * 9 " 0 * , . @ . " < . & *) < 6 . & " ' ? + " I (, , N . " 7 (& 6 < . . " + % 7 " 5 < (B + ' . " N) " " + < . " % * " 6 * % & (7 . < . 7 " 6 * % 9 (7 . % ' (+ , a " > ? . & . " < . & *) < 6 . & " I (, , 1 + (% ' + (% " " ? . " 5 < (B + 6 2 " * 9 " + % " (% 7 (B (7) + , A & " (% 9 * < 1 + ' (* % " I (' ? (% " " ? . " , (1 (' . 7 " 6 (< 6 , . " * 9 " ? * & . " (% B * , B . 7 " (% " " ? . " < . & * ,) ' (* % " * 9 " + " 6 * 1 5 , + (% ") % 7 . < " " ? (& " G * , (6 2 a " "

B31>7%1#", \$k ; %/3+.6%/&N23145 %7"6, \$0k

> ? . " 0 * , . @ . " & ' < * % @ , 2 " . % 6 *) < + @ . & " + , " 6 * 1 1) % (' 2 " 1 . 1 N . < & " " * " 1 + Y . " + 5 < * 1 5 " < . 5 * < " * 9 " + % 2 " (% 6 (7 . % " * 9 " G < * ? (N (' . 7 " 0 * % 7) 6 " " * , * 6 + , " + I " . % 9 * < 6 . 1 . % " " + % 7 " ' ? . " 0 * , . @ . a " L * < " (% 7 (B (7) + , & " I ? * " + < . " % * " "

R3.%1/"6&%, 0"1,#"31/D" j)+, (9(.7"5<*B(7.<&"6+%5<*B(7."+"9*%<.%&(6".4+1(%+'(*%a">?. "9*%<.%&(6"
1.7(6+,".4+1"?+&"I*"@*+,&V"9(<&'/"'"7(+@%*&."+%7"<+'"'?. "9),,".4'.%'"*9"+%2"(%b)<2"*<5?2&(6+,"
.99.6""\(%6,)7(%@"5<.B.%'(*%*"9"&.4)+,,2" '<+%&1(''.7" (,%.&&.&"+%7"5<.@%+%62]" +%7" &.6*%7/" '*"
5<*5.<2"6*,,.6"+%7"5<.&<B." .B(7.%6.a">?<.&"+,(1('7" I(%7*I" *9"(1." \I('?(% "[K" ?*)<&]"
9*,,* I(%@"+%("%6(7.%'"*9"&.4)+,"&&+), ""*5<.&<B."5?2&(6+,"+%7"*'?.<"9*%<1&"*9".B(7.%6."/"+,'?*)@?"
(' 1+2"N."5*&&(N,. "'*"*N'+(%).B(7.%6."9<*1" '* I .,&/"&?..'&/"6,*'?.&/"+%7"*'?.<(' 1&"9*%<,"*%@.<"
5.<(*7&"*9"(1.a\$'("&"N.&'""*@"+'?<".B(7.%6."5<(*<"* I +&?(%@"+5.<&*%A&"N*72"*<6?+%@(%@"6,*'?(%@"
\$9"6,*'?.&?"?+B."N..%6?+%@.7/"'?. "6,*'?.& I *%<+"'"?."(1."*9"'?.("%6(7.%'"&?*) ,7"N."N<*)@?"'"*"'?. "
.4+1(%+'(*%("+"6, .+%/"&+%(' <2"6*%' +(%.<&)6?'+&"+5+5.<"N+@"*%< I +55.7"(%+"6, .+%&?..'a" ; *%*"'"
)&." +5,+&'(6"N+@V"5,+&'(6"6*%' +(%.<&"7*%*"N<.'?."+%7" 1+2"<.%7.<".B(7.%6.")&.,. &&a"H"6?+%@."*9"
6,*'?(%@"&?*) ,7"+,&*N."N<*)@?"'"*"'?. "?*&5(+,"+&"'?. "6,*'?.& I *%<+"'"?."(1."*9"'?.("%6(7.%'" I (,,"
,(Y.,2"N."Y.5""+&".B(7.%6.a">+Y(%@"'?'."&' .5&"'"*@"+'?<".B(7.%6."(1 1.7(+'.2"7*.&"*%*"6* 1 1 ("+"%
(%7(B(7)+,"'"+"%2"5+<'(6),+<"6*)<&."*9"+6'(*%a">?. "7.6(&(*%*"'"&..Y"(1.,2" 1.7(6+,"+'.'%('"%+"%7"
@+'?<+%2".B(7.%6."

J+% '+' Q*%(6+/"0+(9*<%(+" [R=R=""
\
#=#]"#F[:M#RP"\#=:?*)<"?*',(%.)"

I77"#31,\$A14B,0<+/\kS&A>4B,0<+/\k;%/3+.6%/k

U66(7.% '+,"6* 1 1)%('2" 1 . 1 N.<&"?+B."+66.&&"*"+B+(<'2"*9"<.&*)<6.&"5<*B(7.7"N2""?. "0*,,. @. a"H,,
%:6+ 15)&" <.5<'(%@ " *5'(*%&" ,(&' .7" +N*B." ?+B." &'+99" 1 . 1 N.<&" '<+(% .7" '*" &)55*<' " (%7(B(7)+,&"

O(\$.('\$L!8#!G\$:87- &'8, !O?&'8, :!

>?. "0*,,. @. "(6* 1 1 ('. 7'"*5<*B(7(%@"+5<* 1 5"/"?'*<*)@?/" .X)('N, ./+%7"(1 5+<(+, <.&*,) '(%"*9
+,, <.5* <'7" B(*, +('%"&" *9" '?(&" G*, (62a" >?. " 0*,,. @. ")&. &" ' I* 5<*6. &&. &" *" <.&*B. " <.5* <'&" *9
G<*?(N(' .7" 0*%7)6'")%7. <'?(&" G*, (62V" ; (&6(5, (%+<2" C. &*,) '(%" /" I ?(6?" (%B*, B. &" +%" (%B. &'(@+'(%"
+%7"+7b)7(6+'(%" /"+%7"(9"+55<*5<(+'. /"?' . "(1 5* &'(%" *9"&+%6'(%"& /"+%7"H7+5+N, . "C. &*,) '(%" /" I ?(6?"
(%6,) 7. &" <.&* <+'(B. " *5'(%%"&" 9* <'<.&*B(%@" <.5* <'&a" >?. " 0(B, "C(@?'&" D" >(', . "\$E" 0**<7(%+ '*<" I (, "
7. ' .<1 (%. " ' ? . "+55<*5<(+'. <.&*,) '(%" 5<*6. &&" +9' .< 1+Y(%@" +%" (%('(+, +&&. && 1 . %'" *9"?' . "<.5* <'7"
(%9* <1+'(%" /" 6*%&(7. <(%@" '?' . "&'+' .7" (%. <.&'&" *9" '?' . " 5+<(' .& /" 6+ 1 5)&" &+9. '2"/" +%7" '?' . " 0*,,. @. A&"
*N, (@+'(%" *9" 1+(%'+(%+"%". %B(<*% 1 . %'" 9<. " 9<* 1"?' +<+&& 1 . %'" +%7"7(&6<(1 (%+'(%a"
"

>?. "5<*6. &&. &")%7. <"?'(&" G*, (62"+<. "&. 5+<+' . "+%7"7(&'(%6"9<* 1 " 0+, (9* <%(+A&" 6<(1 (%+, "5<*6. 7) <.&a"
G<*6. . 7(%&")%7. <'?(&" G*, (62" 1+2"N. "6+<<(.7"*) "5<(*<"*/"&(1), '+% . *)&, 2" I ('?/"*<"9*,, * I (%@"6(B, "
* <'6<(1 (%+, "5<*6. . 7(%&"*99:6+ 1 5)&a" 8. ('? .<+7. 6(&(%%"N2", +I . %9* <6. 1 . %'" <. @+<7(%@"5<*&. 6)'(%"
%* <' '?' . " *)'6* 1 . " *9" +%2" 6<(1 (%+, " 5<*6. . 7(%@" I (, " N. " 6*%&(7. <.7" 7. ' .<1 (%+'(B. " *9" I ?.'?' .<' +"
B(*, +'(%" *9"?'(&" G*, (62"*66)<<. 7a"

'1"#, \$& I//%/0%1#&

H9' .<'<. 6. (B(%@" +<.5* <' *9" G<*?(N(' .7" 0*%7)6"/" '?' . " 0(B, "C(@?'&" D" >(', . "\$E" U99(6. " I (, "@+'? .<"
(%9* <1+'(%" +N*) " '?' . "<.5* <'7" 6*%7)6'" +%7" <. &5*%7" *9" +%2" (1 1 .7(+'. " ? . +, '?' * <'&+9. '2" 6*%6. <%&"
<+(&. 7"N2"?' . "<.5* <'a" >?. " 0(B, "C(@?'&" D" >(', . "\$E" U99(6. " I (, "+&&. &&"?' . "6* 1 5, +%" +%" A&" &+9. '2" +%7"
I . :, :N. (%@" *99. <'?' . " 0*,,. @. A&" (1 1 .7(+'. "&)55* <'"+%7" +&&(&' +%6. /" +%7" +&&. &&" '?' . %+')<. "+%7"
6<6) 1 &' +%6. &" *9"?' . "<.5* <' *9" 7. ' .<1 (%. " I ?.'?' .<'?' . "<.5* <'7" 6*%7)6'" <+(&. &+"5* . %'(+, G*, (62"
B(*, +'(%" /" I ?.'?' .<'?' . "<.5* <'7" 6*%7)6'" (&" I ('?(%" '?' . "&6*5. " *9"?'(&" G*, (62"/" +%7" '?' . "+55<*5<(+'. "
1 +%%. <*9<.&*,) '(%")%7. <'?(&" G*, (62a"

>?. "0(B, "C(@?'&" D" >(', . "\$E" U99(6. " I (, "5<*B(7. "*)' <.+6?" *9" . +6?"(7. %'(9+N, "6* 1 5, +(%+" *9"?' +'" (&"
+,,. @. 7" *9"?' +B. " .45. <(.%6. 7" 1 (&6*%7)6'a" >?. " *)' <.+6?" I (, "(%6,) 7. " ? . "9*,, * I (%@" (%9* <1+'(%" V"

- '? . "0*,,. @. " ? +&" <. 6. (B. 7" +<.5* <' *9" ? +'" ? . 2" 1 +2" ? +B. " .45. <(.%6. 7" 1 (&6*%7)6'i"
- <. '+, (+'(%%" 9* <" 9(, (%@" + " 6* 1 5, +(%" * <" 5+<'(6(5+'(%@" (%" + " 6* 1 5, +(%" 5<*6. && /" * <" N*?' /" (&"
5<*?(N(' .7i"
- '? . "6*%)&. , (%@" <.&*) <6. &' +B(+, +N, . " +'" ? . "0*,,. @. " * <'(%"?' . "6* 1 1)%('2i"
- '? +/" I ?.'?' . "+6<(1 . " 1 +2" ? +B. " *66)<<. 7"/" ? . 2" ? +B. " ? . " <(@?' *9" * <.5* <' '?' . " 1 +'" .<' *9" , + I "
. %9* <6. 1 . %' i"
- '? . "<(@?' *9" * &. . Y" 1 .7(6+, "'< . + ' 1 . %' i"
- '? . "0*,,. @. A&" (%B. &'(@+'(%" 5<*6. 7) <. &i"
- 5* . %'(+, (%' .<(1 " 1 . +&) <.&" ? +'" +<. "+B(+, +N, . i"
- '? . "(1 5* <' +%6. " *9" 5<. &. <B(%@" . B(7. %6. i"
- +<. X) . &' *9* <'?' . "6* 1 5, +(%+" *9" 1 . . " I ('?'" ? . " 0(B, "C(@?'&" D" >(', . "\$E" U99(6. " *9" 7(&6) &&"
5'(%%"&" 9 <'<. &5*%7(%@" *9" ? . "<.5* <' i"
- '? . "<(@?' *9" * N. " +66* 1 5+%(.7"N2" +%7" +7B(&* <" *9" 6?*(6. i" +%7"

'?." I+2" '?." 0*,,.@." <.&5*%7&" '*"<.5*%'&" *9" 1 (&6*%7)6'" +%7" +" 7.&6<5'(*% " *9" 5*'.%'(+," 7(&6(5,(%+<2"6*%&.X) .%6.&a"

H&5+<"*9"?'."('(+,"+&&. && 1 .%'/'?'." 0(B("C(@?'&"D">('," \$E"U99(6. " I(,"V"

f +&&. &&"'?'."%+'<." +%7"6(<6) 1 &' +%6.&"*9"?'." <.5*%'i"

f +77<.&&"(1 1 .7(+'. "5?2&(6+,"&+9. '2"+%7" . 1 *'(*%+," I .,,:N.(%@i"

f 6* 1 1)%(6+'."% .6.&&+<2"7. '+(&"*9"?'." <.5*%'0+15)&" J+9. '2"*'."%'.'<'?'." <.5*%'(*"?'." 0*,,.@.A&'7+(,2"6<(1 .," *@(9"<.X)(<.7"N2"?'." 0,.<2"H6'i"

f 5<*B(7. " '?'." 6* 15,(+%+%'" I('?' +%" .45,(+%+'(*% " *9" '?'." 5<*6.7)<+," *5'(*%&/" (%6,)7(%@ ; (&6(5,(%+<2"C.&*,)')(*%"+%7"H7+5'+N,."C.&*,)')(*%i"

f 7(&6)&&" '?'." 6* 15,(+%+% 'A&" 5<.9.<.%6. " 9*%' 1 +%%.<" *9" <.&*,)')(*% " +%7" +%2" N+<<(<.&" '* 5<*6..7(%@i"

f 7(&6)&&"'?'." 5<*6. &&"9*%'<9(,(%@"+"9*%'<1 +,"6* 15,(+'i"

f +&&. &&"9*%'<+%2"5+'.' <% " *9"6*%7)6'"N2"?'." <.&5*%7. %'i"+%7"

f 7. ' .<1 (%."+@. " *9"?'." 6* 15,(+%+% 'i"+%7)"9"?'." 6* 15,(+%+% "(&"+" 1 (%*%'<" I +&"+" 1 (%*%'<+"?'." '(1 . " *9" '?'." +,,.@.7" G<*?(N('7" 0*%7)6'/" 1+Y. " '?'." +55<*5<(+'.' %*'(9(6+'(*%&" '*" &'+'.' +@. %6(. &a"

"

H%2" J)55*%'(B. " Q. +&)<.&"5)" (%"5,+6. " I(,"N. "Y.5"5<(B+'./" .46.5"'*"'?'." .4'. %'"?'+"7*(%@"&* (15+(<&"?'." +N(,'2"*9"?'." (%&'(')')(*%""*5<*B(7. "'?'."&)55*%'(B. " 1 .+&)<.&a"L*%'<.4+15,./'"*".99.6')+'.' +?'*)&(%@"6?+%@./" &' +99" +' "C.&(7. %'(+," 37)6+'(*%"+%7"O*)&(%@" J.<B(6.&" I(,"N. " (%9*%'<1 .7"*9"?'." %..7"'*"+&&(&"' I('?'+"?*)&(%@"6?+%@." +&"7(<.6'.7"N2"?'." 0(B("C(@?'&"D">('," \$E"0**<7(%+'*%'<N)" I(,"%*"N. "5<*B(7.7" I('?'+"%2"*9"?'."7. '+(&"*9"+%2"6* 15,(+'a" c ?.%"?'." 0(B("C(@?'&"D">('," \$E" 0**<7(%+'*%'<7.6(7.&"*'"(%('+'.' "+%)"(B.&'(@+'(*%/"(15*&. "(%'<(1"5<*'.6'(B. " 1 .+&)<.&/"*%'<"+Y. "+%2" *'?'<+'6'(*%"'?'+'(15+6'&"+'<.&5*%7. %'/'?'." 0(B("C(@?'&"D">('," \$E"0**<7(%+'*%'< I(," +,&*'. %&)<.' ?+'*"'?'." <.&5*%7. %'"(&"*'(9(.7"+%7"<.6.(B.&" I<('.' %"(9*%'<1 +'(*%""*"+B+(,+N,." <.&*')<6.&"+%7"*5'(*%&a"

"

H"'?'." 6*%6,) &(*% " *9"?'.

"

f 0,*&."?<.5*<" I('??."*5'(%%"* "<.:5.%"('+"+%*?'<.(1."(9"?."6*15,+(%+% "'<.X).&'&
<.&*,)')(%%"* "<(9"?."0*,,@."&)N&.X).%,'2'7.'.<1(%.&"?<."(&+"%..7"*9)<'?<.(%B.&'(@+'.'
'?."+,,.@.7"1 (&6*%7)6'a"

R3.0, \$B30 <\$, #1/Pk = "/0"//, \$/k, 17&I <<%, \$/k3>k = "/0"//, \$/k

H"9* <1+, "6*15,+(% "9* <5)<5* &. &"9"? (&"G*, (62"(&+"7*6) 1. %"9(., 7"N2"+"6*15,+(%+% "'* <&(@.7"N2"
'?. "0(B, "C(@?'&"D">('., "\$E"0**<7(%+'* <+, ,. @(%@>('., "\$E"J.4)+, "O+<+&&1. %" "+%7"<.X). &'(%@"'?+ "
'?. "0*,,@."(%B.&'(@+'.'?."+, ,. @+'(%a"H"9* <1+, "6*15,+(% "1+2"N. "9(., 7"+"+"2"(1."N2")&(%@"?." 9* <1" 5<*B(7.7" + " ?'5&Vgg I I I a*42a.7)g&.4)+, :.&5.6':('.:4a H"9* <1" 1+2"N. " &)N1('.'7" N2"
7<*55(%@"(' "99" + "'?." 0(B, "C(@?'&"D">('., "\$E"U99(6./"N2". 1+(/" * <"N2" 1+(, a" W5*%" <.6.(5""*9" +
6*15,+(% /"?'." 0(B, "C(@?'&"D">('., "\$E"0**<7(%+'* < I(., "6*%' +6"'?'." 6*15,+(%+% "' '*6*%7)6" +%
(%'+Y."(%' .<B. I a" c ?.%"+ "6*15,+(%+% "'&)N1 (&+"9* <1+, "6*15,+(% /"?'." 0(B, "C(@?'&"D">('., "\$E"
0**<7(%+'* < I(., "9(<&"5<*15',2'7.'. <1(%." I?'.'?<V"

- f '?."6*%7)6"'+, ,. @.7" I *), 7/"(9"5<*B.7/"6*%&'(')'. ">('., "\$E"J.4)+, "O+<+&&1. %" 'i"
- f '?."6*%7)6"'+, ,. @.7"*66)<<.7"(%"'?."0*,,@.A&".7)6+'(% "5<*@<+1 " * <+6'(B('2i"
- f '?."6*%7)6"'+, ,. @.7"*66)<<.7"(%"'?."W(%'.7"J'+'.&i"
- f '?."6*%7)6"'+, ,. @.7"*66)<<.7"*% " * <+9'. <"H)@)&'! =/"#R#Ri"+%7"
- f '?."6*15,+(%+% "' (&"5+<(6(5+'(%@"(% " * <+' . 15'(%@" " * 5+<(6(5+'.'(% "'?."0*,,@.A&".7)6+'(% " 5<*@<+1 " * <+6'(B('2"+"'"?'."(1."?'."6*15,+(% "'(&"9(., 7a"

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\$9"?."9* <1+, "6*15,+(% "'&+(&9(.&+, , "9"?.&."., . 1. %'&'(" I(., "N. "(%B.&'(@+'.'7"+"7"<.&*, B.7"+&+" ">('., "\$E"J.4)+, "O+<+&&1. %" '1+'.' <"?'<*)@?'?."5<*6.7)<.&"*'), (%.7"(% "H55.%7(4)Ha"\$9"('"+55. +<&"N+&.7")5*%"(%('+, <.B. I " * <")5*%"(%9* <1+'(%@"@+'?'<.7"7)<(%@"+% "(%B.&'(@+'(% " * "'?+"+"9* <1+, "6*15,+(% "' 7*.&"% " * &+(&92"+%7g* <"%*", %"@.<"&+(&9(.&+, , "'?.&."., . 1. %'&'("?'."0*,,@." I(., "7(&1 (&&"?'."9* <1+, "6*15,+(% "'9* <5)<5* &.&"*9"?." >('., "\$E"J.4)+, "O+<+&&1. %" '5<*6.&&a">?."

R3.0, \$B30 <\$, "1#/k)"F1%7& : @B"C"\$& ; "F9#/#S &! "#\$%&' (&B33.7"1, #3.&

\$%" 6+&.&" I? .<." (" +55.+<&"N+&.7" *%"+%" (%('(+,"<.5*<" '?+' "'?." .,. 1.%'&"&'+'.7"+N*B." I*),7"N." &+'(&9(.7/"N)'"'?. "6* 15,+(%+% "'7* .&"%*" " I (&?"*"9(,."+"9*< 1+,"6* 15,+(%/'/"'?. "0(B("C(@?'&"D">(',."\$E" 0**<7(%+'*<" 1+2/"(%"'?. (<"7(&6<.'(*%/"7.6(7."*"&(@%+"6* 15,+(% "'*9">(',."\$E"J.4)+,"O+<+&& 1.% "'+%7" (%('+'."+%("B.&'(@+'(*%"+%7"<.&*,) '(*%"5<*6.&&")%7.<"'?. "5<*6.&&"*'),(% .7"N.,* I a"\$9"?'(&"*66)<&/"'?. " 0(B("C(@?'&"D"D">(',."\$E"0**<7(%+'*<" I(,,"%*"N."+"6* 15,+(%+% "'*<'*?'< I(&."+"5+<'2"***"?. " 1+''.<a

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>?."0(B("C(@?'&"D">(',\$E"0**<7(%+'*<" I(,"6*%&(7.<" I ?+'&' .5&" 1+2"N."5*%&&(N,."*%"+55<*5<(+'.
I ?.'%"+<.&5*%7.%'"(&)"%Y%* I %"*<"'?. "6* 15,(+%+%'"<.X) .&'&"+%*%2 1('2"/+%7" I ?+'*"?.'<" 1 .+&)<.&
%<". 1 .7(&" 1 (@?' "N."6%&(7.<.7" '*"+77<.&&" +%2" .99.6'&"*9"?' .<.5*%<.7"N." ?+B(*%<"*%'"?'."6+ 15)&
6* 1 1)%('2a">?."0(B("C(@?'&"D">(',\$E"0**<7(%+'*<" I(," 1+Y."+"7.'.<1(%+'(*%<".@+<7(%@"'?"
+55<*5<(+'. " 1+%%.<"*9"<.&*,) '(*%)"%7.<"'?. "5* ,(62a">?."0* ,,.@." I(,"&..Y"<.&*,) '(*%)"6*%&&(&'."% I ('?"
'?. "6* 15,(+%+% 'A&"<.X) .&'/'(9"('&"5*%&&(N,." '*%7*%&*/N&.7")5*%'"?' .9+6'&"+%7"6(<6) 1 &' +%6. &/' I ?(,"
+,&*%5<*'.6'(%@"'?' .?' .+,'?'+%7"&+9.'2"*9"?' .6* 15,(+%+%'" +%7"?' .0* ,,.@."6* 1 1)%('2a"

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>?."0* ,,.@."A&"+N(,'2"*%)(%B.&'(@+'."+%7"<.&5*%7"9) ,.2"*%"+<.5*%<" 1+2"N.",(1(' .7"9"?' .6* 15,(+%+%
<.X) .&'&"+%*%2 1('2" *%<7.6,(% .&" '*" 5+<(6(5+" .("% +%)" (%B.&'(@+'(*%a">?." 0* ,,.@." I(,/' ?* I .B.</'
5)<&)" . *'?."&' .5&" '*% ,(1(' ' ?' . 99.6'&"*9"?' . 5*% .%'(+, " G<*?(N(' .7" 0*%7)6"'+%7" 5<.B."%'" (&
<.6)<<. %6. a"\$%"+,,"6+&.&/'?' .9(%+,"7.6(&(*%*" I ?.'?'</'?*" I /"+%7" '*" I ?+' .4' .%'"?' .0* ,,.@." I(,"
6*%7)6"'+%)(%B.&'(@+'(*%"+%7" I ?.'?'<*"?'<('%'<(1"<. 1 .7(+, "*%<5<*'.6'(B." 1 .+&)<.&" I(,"N."'+Y.%"
(%6*%%.6'(*%)" I ('?"+<.5*%<"*9"G<*?(N(' .7" 0*%7)6" I(,"N." 1+7."(%+" 1+%%.<"6*%&&(&'."% I ('?'"?(&
G* ,(62a"

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c ?.<."?'."0(B("C(@?'&"D">(',\$E"0**<7(%+'*<7.'.<1(% .&"'?'+"6* 15,(+%+% 'A&"<.X) .&'&]6+%N."
?%*%<.7"/' ?' .0* ,,.@." 1+2" % .B.<'? ,. &&"'+Y." '*'?<"+55<*5<(+'. "&' .5&" '*% ,(1(%+" .?' ?' .<.5*%<.7"
6*%7)6"/' 5<.B."%'" ('&'<.6)<<. %6. /"+%7" <. 1 .72" ('&" .99.6'&"*%'"?' . 6* 15,(+%+%'" +%7" '?' .0* ,,.@."
6* 1 1)%('2a">?*&.&' .5&" 1+2"(%6),7."(%6<.+&.7" 1 *%('*<(%@"&)5.<B(&(*%/"*%<.6)<('2"+" ,*6+'(*%&
%<"+6'(B('&" I ?.<."?' .+ ,. @.7" 1 (&6%7)6"*66)<<.7i"5<*B(7(%@"+77('(*%+,"<+(%@"+%7" .7)6+'(*%
1+' .<(+,&"9*%<'&')7.%'&" +%7" . 15,*2..&i" *%<6*%7)6'(%@"6,(1+' .&)<B.2&"<.@+<7(%@"&.4)+, "B(*, .%6. a"
>?." 0* ,,.@." I(,"+,&*%"+Y."(1 1 .7(+'. "&' .5&" '*%5<*B(7."9*%<'?' .&+9.'2"*9"?' .6* 15,(+%+%'" I ?(,"
Y..5(%@"'?' .6* 15,(+%+% 'A&"(7.'('2"6*%9(7.%'+, "+&"+55<*5<(+'. a">? .&."&' .5&" 1+2"(%6),7."6?+%@(%@"
,(B(%@"+<<+@. 1 .% '&'*%<6*)<&."&6? .7) ,.&/'+&&(@% 1 .% '&'/*%<"' .&'&a">?."6* 15,(+%+%'" I(,"N."%*(9(.7"
'?+'*?' .&' .5&"*?' .0* ,,.@." I(,"'+Y." '*%<.&5*%7" '*%'"?' .6* 15,(+%+%'" I(,"N.",(1(' .7"N2"?' .<.X) .&'9*%<
6*%9(7.%'+,('2a">?."0(B("C(@?'&"D">(',\$E"0**<7(%+'*<1+2"+,&*%<.X) .&'*?'+'+'<.5*%<"N."<.5*% .7"
+%7"5)<&).7)"%7.<"'?(&"G* ,(62"9"+%2"% . I "%<"+77('(*%+,"(%9*%<1+'(*%N.6* 1 .&"+B(+,N,./"+%7g*%<(9"
'?' .6* 15,(+%+%'"7.6(7.&"'?'+'*?' .2" I *),7),(Y." ; (&6(5,(%<2"C.&*,) '(*%'"*%66)<a"

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\$%''?*&."(%&' +%6.&" I ?.'%''?' .0(B("C(@?'&"D">(',\$E"0**<7(%+'*<7.'.<1(% .&"'?'+'*?' .0* ,,.@." 1)&"
5<*6. .7" I ('?"+%)"(%B.&'(@+'(*%7.&5(' .''?' .6* 15,(+%+% 'A&"<.X) .&'*?'+'+'("%"*%66)</'?' .0(B("C(@?'&
D">(',\$E"0**<7(%+'*<" I(," %*%'92" '?' . - 14.5(9143 c mB/9143 c mB9143 c mBTBT500(,)0.2(")0.2(") - 2.

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+ "B(*,+('(*%"*9"+"&.5+<+'."5*(,62/" I ?.'?'<"J')7.%'" 0*7."*9" 0*%7)6'/"L+6), '2" O+%7N**Y/"*<" J'+99"
O+%7N**Y/"'?'." 0*,,.@."

>?. "0(B("C(@?'&"D">(',\$E"0**<7(%+*^< 1+2".4'.%7"+%2"7.+7,(%.&" I('?'%''?(&"G*(,62)"9*^<@**7
6+)&."&?* I"%+%7"7*6) 1.%.7a_ ^**7"0+)&.`" I(,"N."7.'.<1(%."7"N2"'?. "0(B("C(@?'&"D">(',\$E"
0**<7(%+*^<("?'?.<(&*,. "7(&6<.'(*%"+%7" 1+2"(%6,)7.V"'?.")%+B(+,N(,'2"*9"+ I'(%.&&/'5+<'2/"*^<
+7B(&*^<N.6+)&."*9"7.+?'/"(,%.&&/'*^<*?'?.<(.46)&+N,. "6(<6) 1 &'+%6.&i"6*%6)<<.%'+I".%9*^<6. 1.%"
+6'(B('2i"*^<"?."%. .7"9*^<,+%@)+@."+&&(&'&+%6."*^<+66* 1 1 *7+'(*%*"9"7(&+N(,'.&a"H,'?*)@?'<.+&*%+N,."
+'.' 1 5'&" I(,"N." 1 +7."**&6?.7),. "5<*6. .7(%@&'6*%&(&'%.%" I('?'+"%+7B(&*^<A&"+B(+,N(,'2/"?'."5<*6.&&"
I(,"%*"N."7.,+2.7"*&6?.7),. "'?. "5<*6. .7(%@&'+"*?'?. "6*%B.(.%6."*9"?'."+7B(&*^<a">?. "5+<'(&" I(,"
N."%*(9(.7"(%" I(<'(%@*"9"+%2".4'.%&(*%/"?'?.<.+&*%&9*^<('/"+%7"5<*b.6'.7"%." I"(1.,(%.&a">?. "0*,,.@."
I(,"%*"')%<.+&*%+N,2'7.%2"+&')7.% "5+<'2A&"<.X). &'9*^<+% ".4'.%&(*%*"9"+7.+7,(%."<.,+'7"*^<+
6* 15,+(%'7)<(%@'5.<(*7&"*9".4+ 1 (%+'(*%&*^<&6?*",6,*&)<.&a"

>?(&"5*(,62"7.&(@%+'.&"<.+&*%+N,2"5<* 1 5'"(1.9<+ 1 .&"9*^<"?." 1 +b*^<&'@.&"*9"?'."(%B.&'(@+'(*%"+%7"
<.&*,)'(*%5<*6.&&"\25(6+,,2"&."9*^<?'(%N)&(&'&7+2&]"N)"'?"0*,,.@." 1 +2".4'.%7"+%2"7"(1.9<+ 1."
(%"?'&"5*(,62"9*^<@**7"6+)&.a"H%" .4'.%&(*% 1 +2"N.<.X)<.7"9*^<@**7"6+)&."*%.%&)<."9*^<.4+ 1 5,./"
'?."%'.@<'2"+%7"?'*^<*)@?%.&&"*9"?'."(%B.&'(@+'(*%i'"*6* 1 5,2" I('?"<.X).&"N2",+I".%9*^<6. 1.%"i"
%"+66)%""*9"?'.")%+B(+,N(,'2"*9"?'."5+<'(&"*^< I'(%.&&.&i"*^<9*^<*?'?.<.,@('1+'.'<.+&*%&/'&)&6?'+&"
(%'.<B.%%@" N<.+Y&" (%" '?'." 0*,,.@." 6+,,%7+<' 0*,,.@." 9%+,&" 5.<(*7&/' '?'." 6* 15,.4'2" *9" '?'."
(%B.&'(@+'(*%/"?'."B*,) 1. "9"(%9*^< 1 +(*%*"*^<.,%@"?'*9"?'." I(<'.'%<.6*^<7/"+%7g*^<"?."&.B.<'2"+%7"
.4'.%""*9"?'."+,.,@.7" 1 (&6*%7)6'a"

>?. "(%B.&'(@+'*^<+%7g*^<?'+<(%@"*99(6.<" I(,"%*"6*%&(7.<"?'."5+&"&.4)+,?"(&"*^<2"*9"+6* 1 5,+(%+% "
^<.&5%7.%/'")%,&&V"!]"?'." 5<(*^<*^< &)"N&.X).%"&.4)+,?"(&"*^<2"N.' I. .%"?'." 6* 1 5,+(%+% "'+%7"
+%2*%."*?'<"?'+"*?'?.<.&5*%7.%'"(&"7(<.6',2'<.,.B+%""*5<*B."?"+"5?2&(6+,(%b)<(&'+,,.@.7"*^<?+B."
N..%'"9,(6'.7"N2"'?.<.&5*%7.%" I.<.(%9,(6'.7"N2"+%*"?'<('7(B(7)+,i"*^<#]"'?" .4(&' .%6."*9"+7+'(%@"
<.,+'(*%&?(5" *^< 5<(*^<*^< &)"N&.X).%" 6*%&.&.&)+, "&.4)+, "<.,+'(*%&" N.' I. .%"?'." 6* 1 5,+(%+% "'+%7"
<.&5*%7.%'"(&"<.,.B+%""*?"* I"?'."5+<'(&"6* 1 1)%(6+,.7"6*%&.%'"(%5<(*^<*^< &)"N&.X).%" 6*%&.&.&)+,
&.4)+, "<.,+'(*%&a" c ?<."?'."(%B.&'(@+'*^<+%7g*^<?'+<(%@"*99(6.<+,, * I &"6*%&(7.<+'(*%*"9".B(7.%6."
+N*)"' + 7+'(%@"<.,+'(*%&?(5" *^< 5<(*^<*^< &)"N&.X).%" 6*%&.&.&)+, "&.4)+, "<.,+'(*%&" N.' I. .%"?'."
6* 1 5,+(%+% "'+%7"?'<.&5*%7.%/'"?'." 1 <."9+6"'?'+"*?'?. "6* 1 5,+(%+% "'+%7"<.&5*%7.%" .%@+@.7"(% "
?'<.6%&.&.&)+, "&.4)+, "<.,+'(*%&" I('?'*%." +*?'?.<(&"B.< &)"99(6.(%/'N2"(&.,9/'*'.&'+N,(&"?'+" "
'?. "6*%7)6'"(%X).&'(*% I +&"6*%&.&.&)+, a"G<(*^<*^<+, * I @%"?'." 6*%&(7.<+'(*%*"9"+%2".B(7.%6."*9"
5+&"&.4)+,?"(&"*^<2/"?'."(%B.&'(@+'*^<+%7g*^<?'+<(%@"*99(6.<" I(,"5<*B(7."+" I (<'.'% .45,+(%+"(*%*"?'."
5+<'(&+&"*^< I ?2"'?. "6*%&(7.<+'(*%*"9"?'." .B(7.%6."(&"6*%&(&'%.%" I ('?'?(&"5*(,62a"

>?. "(%B.&'(@+'(*%"+%7"+7b)7(6+'(*%*"9"+,,.@.7" 1 (&6*%7)6'")%7.<"?'(&"5*(,62"(&"%*"+"%"+7B.<&+<(+,"
5<*6.&&"N.' I. .%"?'." 6* 1 5,+(%+% '/'"?'<.&5*%7.%/'"+%7"?'." I'(%.&&.&"N)"<+?'<+"<+) 1+:(%9*^< 1.7"
5<*6.&&"9*^<"?'."0*,,.@." ""*6* 1 5,2" I('?'(&"*N,(@+'(*%&)"%7.<.4(&'(%@" ,+ I a">?. "6* 1 5,+(%+% "'7*.&"
%*"?'?+B."?'."N)<7.%""*5<*B."/%"*^<7* .&"?'<.&5*%7.%"?'?+B."?'."N)<7.%""*7(&5<*B."/?"?)%7.<.2(%@"
+,.,@+'(*%*"*^<+,.,@+'(*%&"*9" 1 (&6*%7)6'a">?. "7.6(&(*%*"5<*6. .7" I('?'+"(%B.&'(@+'(*%)"(&"%*"+"
7.'.<1 (%+'(*%*"?'+"?'<.&5*%7.%"?'&+."%@+@.7"(%"?'." 6*%7)6'" +&"+,,.@.7a">?. "<.&5*%7.%" (&"
5<.&)" 1.7"%*^<.&5*%&(N,."9*^<?'."6*%7)6'"?'+"(&"?'&.)Nb.6'"*9"?'."(%B.&'(@+'(*%/"% ,&&"+%7")'(<,"+
7.6(&(*%*"9"<.&5*%&(N(,'2"?+&"N..% " 1 +7.")5*%?"?. "6* 1 5,.'(*%*"9"?'." +7b)7(6+'(*%5<*6.&&a"

c ? . < . " ' ? . < . " (& " . B (7 . % 6 . " * 9 + " 5 + ' ' . < % " * 9 " 6 * % 7) 6 " & (1 (, + < " (% " % + ') < . " N 2 " ' ? . " < . & 5 * % 7 . % ' / " . (' ? . < " 5 < (* < / " * < " &) N & . X) . % ' / " ' * " ' ? . " 6 * % 7) 6 " (% X) . & ' (* % / " ' ? (& " (% 9 * < 1 + ' (* % " 1 + 2 " N . " 7 . . 1 . 7 " < . , . B + % " + % 7 " 5 < * N + ' (B . " ' * " ' ? . " 7 . 6 (& (* % : 1 + Y . < A & " 7 . ' . < 1 (% + ' (* % " * 9 " < . & 5 * % & (N (' 2 / " + % 7 g * < " ' ? . " 7 . ' . < 1 (% + ' (* % " * 9 " & + % 6 ' (* % a " > ? . " 0 (B (, " C (@ ? ' & " D " > (' , . " \$ E " 0 * * < 7 (% + ' * < " I (, " 1 + Y . " + " 7 . ' . < 1 (% + ' (* % " * 9 " < . , . B + % 6 . " N + & . 7 " * % " + % " + & & . & & 1 . % " * 9 " I ? . ' ? . < " ' ? . " 5 < . B (*) & " (% 6 (7 . % " " I + & " &) N & ' + % ' (+ , , 2 " & (1 (, + < " ' * " ' ? . " 6 * % 7) 6 " 6 (' . 7 " (% " ' ? . " < . 5 * < " + % 7 " (% 7 (6 + ' . & " + " 5 + ' ' . < % " * 9 " N . ? + B (* < + % 7 " ' ? . " 0 * , . @ . / " ' ? < *) @ ? " ' ? . " 0 (B (, " C (@ ? ' & " D " > (' , . " \$ E " 0 * * < 7 (% + ' * <

<.6*<7a"J)6?"<.6*<7&" I(,,"N.")&.7"(%<.B(. I(%@"+%2"9)<'?.<"6*%7)6'/"*<"7.B.,*5(%@"&+%6'(*%&/" +%7" I(,,"<. 1+(%"+%5+<"*9"+&')7.%'A&"6*%7)6'"<.6*<7a"\$%" +77('(*%""*""<.6*<7&"Y.5"N2""?. "0(B("C(@?'&"D" >(',"\$E"0**<7(%+'*</"'?. "6*%7)6""9(,.&"*9"&')7.%'&" I ?*" ?+B."N..%&)&5.%7.7"*<".45.,,.7"9<* 1 ""?. " 0*,,.@." +<." 1+(%'+(% .7"(%""?. " ; .+% "*9"J')7.%'&"U99(6. "(%7.9(%(' .2a"0*%7)6""9(,.&"*9"&')7.%'&" I ?*" ?+B."%*"N..%&)&5.%7.7"*<".45.,,.7"+<." 1+(%'+(% .7"(%""?. " ; .+% "*9"J')7.%'&"U99(6."9*<"%*"9. I .<" '?+%&.B.%"2.+<&"9<* 1 ""?. "7+' . "*9"?'."(%6(7.%'a"L)<'?.<"X).&'(*%&"&?*),7"N."7(<.6'.7""*""?. "0(B(,

**K??\$, @>!K)!C':%?'7', +. /!G\$:87-&'8, !8#!+!Q. '\$(+, %\$!8#!5'&7\$!; I!M\$>-+7!
R+.+::=\$, &!!**

H55.%7(4" H" *)', (%.&" '?'." 7(&6(5, (%+<2" <.&*,)')(*%" 5<*6.7)<.&" '?'." 0*,,.@." 9*,,* I &" (%<.&*,B(%@
+,,.@+'(%&" '?'+" 5.<&*%" ?+&"N..%" &)Nb.6'.7"'*">('."\$E"J.4)+,"O+<+&&1.%'"(%B(*,+('%"*9"'?."
0*,,.@.A&"J.4)+,"+%7"\$%'.<5.<&*%+,"Q(&6*%7)6'"G*,(62a"

23#6%&3>&'1C%/#F,#31&

W5*% "'?."9(,%@"*9"+L* < 1+, "0* 15, +(%/' I <(' .%"%*(6." I(,,"N."5<*B(7.7"'*"'?."5+<'(.&a">?."%*(6."
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f >?."&5.6(9(6"+,,.@+'(%%+%7"'?."&5.6(9(6*%7)6"'?+'("&"+,,.@.7"'*"+B."*66)<<.7i"

f >?."(7.%('2"*9"'?."5+<'(.&i"

f >?."7+'."+%7",*6+'(%%\ (9"Y%* I %]"*9"'?."6*%7)6"'?+'("&"+,,.@.7"'*"+B."*66)<<.7i"

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>?. "%B.&'(@+'*<" I(,," 5<.5+<." +" &) 1 1+<2" *9" .+6?" (%'.<B(. I " _\$%'<.B(. I " J) 1 1+<2`]a" >?. "%B.&'(@+'*<" I(,," &?+<." '?. "%\$'<.B(. I " J) 1 1+<2" I('?'?'." (%'.<B(. I ..a">?. "%\$'<.B(. I .." I(,," ?+B." '?.<." \S]N)&(%.&&"7+2&"*6* <<.6'"* <"6* 1 1 .%"*%"+%2&'+' . 1 .%'&" 1+7."(%""?."\$%'<.B(. I "J) 1 1+<2a" >?. "7.+7,(% . "1+2"N." .4' .%7.7"9* <"^*7"0+)&./")5*%<.X) .&"*""?."\$%B.&'(@+'*<a"\$9""?."(%'.<B(. I .." ?+&" %*" 6* <<.6'(*%&" '*/" * <" 6* 1 1 .%'&" *%/" '?. "%\$'<.B(. I " J) 1 1+<2/" '?. "%\$'<.B(. I .." I(,," &(@%" +%" +6Y%* I, .7@. 1 .%" "'?+' "'?." (%'.<B(. I .." ?+&" <.B(. I .7"+%7"+@<..&"?'+' "'?."\$%'<.B(. I " J) 1 1+<2" (& +66)<+' .a" \$9" '?. "%\$'<.B(. I .." ?+&" 6* <<.6'(*%&" * <" 6* 1 1 .%'&" '*"' ?." \$%'<.B(. I " J) 1 1+<2/" '?. "%\$'<.B(. I .." 1+2"&)N 1 ("+" I <('' .%<.&5*%&." I ('?'(%""?<.. \S]N)&(%.&&"7+2&"<.9, .6'(%@'+%2"+77('(*%&" * <"6?+%@. &" I ?(6?""?." (%'.<B(. I .." N., (.B. &"+<."% .6.&&+<2""*." %&)<."?' . "+66)<+62"*9""?." (%'.<B(. I .. A& &'+' . 1 .%'a" \$9" %*" <.&5*%&." (&" <.6.(B.7" 9<* 1 " '?. "%\$'<.B(. I .." N2" '?. " 7.+7,(% /" '?. (<" \$%'<.B(. I " J) 1 1+<2" 1+2"N."(%6,)7.7"(%""?."\$%B.&'(@+'(*%"C.5* <"+%7" I(,,"N."5<.&) 1 .7""*N." +66)<+' .a"\$%" +,," (%&' +%6. &" I ? .<." '?. "%\$%B.&'(@+'* <"(%6,)7.&"'?. "%\$%'<.B(. I " J) 1 1+<2" +&"+% " .4?(N(" '*"+<.5* </'" '?. "%\$%B.&'(@+'* <" I(,," +, &*"(%6,)7." +%2" <.&5*%&." a"

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3+6?" 5+<2" I(,,"N." 5<*B(7.7" I('?'+'*55* <')%('2" '*"*99.<"<., .B+%"" I('%.&&.&"+%7" .B(7.%6.a">?. "%B.&'(@+'* <" I(,,"6*%&(7.<"+,,"<., .B+%"" .B(7.%6."/N*?"(%6),5+* <2"+%7".46),5+* <2a"H,,"(%9* < 1 +'(*% 9* <" 6*%&(7.<+'(*%" N2" '?. " O.+<(%@" U99(6.< 1)&"N." 5<*B(7.7" '*"' ?." \$%B.&'(@+'* <"+&" 5+<' '*9" '?. "

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'*"<.,.B+%'"(%9*<1+'(*%/''?.\$%B.&'(@+'*<"

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(&"<. &5*%&(N, ."9*<"*% . "*<" 1 *<. "B(*,+ '(*%&"*9"'? . "0* , , . @ . A&" + % '(7(&6<(1 (%+'(*% "5* , (6(.&/'?' . "0* , , . @ . " I(, , (&&)." &+%6'(*%&" 6* 1 1 .%&)<+' . " I('?' '?' . " B(*,+ '(*% \&]" (% +66* <7+%6 . " I('?' " [H55.%7\(4" 3" * <](#) [H55.%7\(4" L a](#)"H%2"&+%6'(*%&"(&&)." 7" I(, , "N. "(%6,) 7. 7"("%'?' . "O. +<(%@"U99(6. <A&" I<('' . %"7. ' . <1 (%+'(*%a"

I << % , \$ / &

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5)<&)."H7+5'+N,."C.&*),')(*%i"*< \S]'.('?.<"'?'." 6* 15,+(%+% "'*<.&5*%7.%'"9+(&' '*<.&5*%7"'*"'?'."
0(B("C@?'&"D">(<.,." \$E" 0**<7(%+*'<A&"(X)"<2"<.@+<7(%@"H7+5'+N,."C.&*),')(*%/'?'." 0(B("C@?'&"D"
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f 8+')<."*9"'?'."<.5*<'i"

f J5.6(9(6"5*,(62"B(*,+ '(*%\&]"+,,. @.7"\".a@a"/&.4)+, "+&&+), '/&.4)+, "?+<+&& 1 .%'/<.'+, (+ '(*%]i"

f ;+'. \&]"*9"+,,. @.7"5*,(62"B(*,+ '(*%\&]i"

f m*6+'(*%\&]i"*9"+,,. @.7"5*,(62"B(*,+ '(*%\&]i"

f Z<(.9"7.&6<5'(*%*"9"+,,. @+ '(*%\&]i"

f H'&+' . 1 .% "'?'+'?'?'."<.&5*%7.%'" (&5<.&.) 1 .7"%*"<.&5*%&(N,."9*<'?'."+,,. @.7"6*%7)6'" +%7"
'?'+'+' 7.'.<1(%+'(*%<.@+<7(%@"<.&5*%&(N,('2" I(, "N." 1+7."+'?'." 6*%6,)&(*%*"9"'?'."
; (&6(5,(%+<2" C.&*),')(*%5<*6.&&i"

f H'&+' . 1 .% "'?'+'?'?'." 5<'(&' ?+B."?'."<(@?' "'* <B(. I "+%7" (%&5.6" +, ".B(7.%6." N.(%@"
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5<*6.&&/"6*%&(&' .% " I ('?'?'&"G*,(62i"+%7"

f H'&+' . 1 .% "'<.@+<7(%@"'?'." 0*,,. @.A&"5*,(62"<.,+' .7"'*9+,&."<.5*<'&"+%7" 1+Y(%@"Y%* I (%@,2"
9+,&."&+' . 1 .% '&7)"<(%@"'?'." ; (&6(5,(%+<2" C.&*),')(*%5<*6.&&a"

>?'."%*(6."*9"'?'."6* 15,+(%+" I(, "+, &*N." +66* 15+%(7" I ('?'+'<.X) .&'9*<+" 1 . '(%@" I ('?'?'." 0(B("C@?'&"D">(<.,." \$E" 0**<7(%+*'<" I ('?(%9*)<"\|=]N)&(%.&&"7+2&a"H"'?'." 1 . '(%@"/'* <'9"'?'."<.&5*%7.%'"
7*.&'%"*"'<.&5*%7"'*"'?'." 1 . '(%@"<.X) .&'%"* <'(&)"%N,." '* 1 . ' I ('?(%9*)<"\|=]N)&(%.&&"7+2&/'?'."
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f U%:"+%7"*99:6+ 15)&<.&* <6.&'/(%6,)7(%@"6*)%&.,(%@"/'?.+, '?'/' 1 .%'+, "?+.+, '?'/' .@+, "+&&(&'+%6."
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9(%+%6(+, +(7/" +%7"*?'.'<"+B+(, +N, ".&.<B(6.&a"

f >?'."<+%@."*9"&)55*<'(B." 1 .+&)<.&"+%7"<. 1 .7(&"+B+(, +N, ./'(%6,)7(%@"6?+%@.&'"+6+7. 1 (6/"
,(B(%@"/'+'&5*<'+'(*%"/+%7g* <" I * <Y(%@"&')+'(*%&' * <'?'.'<)&)55*<'(B." 1 .+&)<.&"+&" 1 +2"N."
+55<*5<(+'.a"

f H%*"B.<B(. I "*9"'. "5<*6.7)<+,"*5'(*%&"+%7"5<*6.&&/'(%6,)7(%@"H7+5'+N,."C.&*,)'(*%"+%7"
; (&6(5,(%+<2"C.&*,)'(*%a"

f

O.+<(%@U99(6.<" I(,"6*%7)6'"+"(B."?.+<(%@/"+" I?(6?"'?.2" I(,"5.<1("'%7(<.6'"6<*%&&:.4+1(%+'(*%" *9"'?. "5+<('.&"+%7" I('%.&&.&"L*%<"5)<5*%&.&"*9"'?(&"G*,(62/"'?. "'<1 "\$%7(<.6'" 0<*%&&:34+1(%+'(*%" 1 .+%&"'?. "O.+<(%@U99(6.<" I(,"+,* I "'?. "5+<('.&"+%7g*%<"'?. (<+7B(&*%<&"'*%&)"N 1 ("5<*5*%&.7"X) .&'(*%& 9*%<"'?. "5+<('.&"+%7" I('%.&&.&/"&" I ., "+&"9* ,* I :)"5"X) .&'(*%&"N+&.7"*%'" .&'(1 *%2"5<*B(7.7"7)<(%@ '?. "?.+<(%@a">?. "O.+<(%@U99(6.<" I(,"+&Y"'?. "5+<('.&"+%7" I('%.&&.&"'?. "5<*5*%&.7"X) .&'(*%&"'?'+"'"'?. " O.+<(%@U99(6.<"7.'<1(%.&"+<."6*%&&(&.'%" I('"'?(&"G*,(62"+%7"+<."5<*N+'(B."*9"9+6'&"<.,.B+% "'*% '?. "+7b)7(6+'(*%*"9"'?. "1+''.<a">?. "O.+<(%@U99(6.<"1+2"<.9)&.' '*"+, * I "X) .&'(*%&"'?'+"'+<.")%7),2" ?+<+&&(%@"*%<"'?'+'&. .Y"(%9*%<1+'(*%*"?'+"(&"%*" "<.,.B+% "')%7.<"'?(&"G*,(62a"

>?. "O.+<(%@U99(6.<("&"<.&5*%&(N,. "9*%<" 1+(%'+(%@%+"*%<7.<2/"9+(</"+"%7"<.&5.6'9), "?.+<(%@%+"%7"?'& N<*+7"+)'?*<('2"'*%<.&5*%7"'*7(&<)5'(B."*%<"?'<+&&(%@N. ?+B(*%&/"(%6,)7(%@"+7b*)<(%@"'?. "?.+<(%@ *%<".46,)7(%@"'?. " *99.%7(%@" 5.<&*%a" G+<('.&" 1+2" 1+Y."<.X) .&'&" '*"'?. "

>?. "O.+<(%@" U99(6.<" I(,,"7.'.<1(%."(9"'?. "5<*99.<.7" I('%.&&\.&]" ?+&"<.,.B+%'"(%9*<1+'(*%" +%7"(9" '?.<." (&" &)99(6(.%" b)&'(9(6+'(*%" 9*<" 5.<1('(%@" +" I('%.&&" I?*" I+&" %*'" (%'.<B(. I .7" N2" '?. "\$%B.&'(@+ '*<a" >?. " O.+<(%@" U99(6.<" 1+2" +,&* "<.X)(<." '?. "\$%B.&'(@+ '*<" '*" (%'.<B(. I " '?. "% . I ,2" 5<*99.<.7" I('%.&&a" c ?.%" I('%.&&.&" +<." +55<*B.7" '*" N. "5<.&.%/'" '?. "<.&5*%7.%'" +%7"6* 15,+(%+%'" I(,,"N. "5<*B(7.7" I('?" +,(&" *9" I('%.&&.&" +%7" +2"<.,.B+%'" 7*6) 1 .%'&"<.,+' .7" '*" '?. " I('%.&&.&A" +55.+<+%6."+' "'?."? .+<(%@"%*" ,+' .<"?' +% "'?<.."

5.<1(''.7" "*" 6<*&&:.4+1(%." '?. " I('%.&&.&" *<" +%2" 5+<'2" 7)<(%@" '?. " ?. +<(%@/" %*<" I(, " '? .2" N." 5.<1(''.7" "*" *99.< I('%.&&.&/" 7*6) 1 .%'&/" *<"+'6,*&(%@"&'+' . 1 .%'a"\$9"+%2"5+<'2"6?* *&.&"%*"'"*"+55. +< +"'?' . ?. +<(%@/" '?. " 0* ,. @. " 1+2" 1*B." 9* < I +<7" I ('?' '?. " ?. +<(%@" +%7"

>?. " 0(B(," C(@?'&" D" >(',." \$E" 0**<7(%+'*<" I(," 5<*B(7." '?'." 6* 1 5,+(%+% "'+%7"'?'." <.&5*%7.% "' I('?" %*'(6." *9"+%2"7.,+2&"+%7"@B." '?'." 1 "+%". I"(1.'+N,." 9* <6* 1 5,.'(*% "*9"'?'." (%B.&'(@+'(*%a"

>?. (%B.&'(@+'(*% I(," (%6,)7." +% "(%'.<B(. I \&] I('?" '?'." 6* 1 5,+(%+% '/' '?'." <.&5*%7.% "' +%7g* <"+%2" *'?'." <5.&*% I ?*" 1 +2"?'+B." (%9* <1+'(*% "<.@+<7(%@" '?'." (%6(7.% '/' .+6?"*9" I ?* 1 "(%". %6*) <+@.7" '*" 6**5.<+'." I('?"+%2"(%B.&'(@+'(*%a">?. "%B.&'(@+'* <I(," 5<.5+<." +&") 1 1 +<2"*9". +6?"(%'.<B(. I /&?+<." '?'." &) 1 1 +<2" I('?" '?'." (%'.<B(. I . /"+%7"5<*B(7." '?'." (%'.<B(. I . . I('?"+"*55* <')%('2"'*6* <<.6"'* < 6* 1 1 .% "'*%"+%2"&'+' . 1 .% '&" 1 +7." (%"'?'." &) 1 1 +<2a"\$9%*" <.&5*%&." (&"<.6.(B.7"9<* 1 "'?'." (%'.<B(. I . . I('?'(%"'?<.. \S]N)&(%.&&"7+2&"<.9,.6'(%@"+%2"+77('(*%&"* <6?+%@.&" I ?(6?"?'." (%'.<B(. I . . "N.,(.B.& +<." % .6.&&+<2/"?'." (%'.<B(. I "&) 1 1 +<2"&?+,,"N."7.. 1 .7"'*N.")%7(&5)' .7a"\$%"+,,"(%&' +%6.&" I ?<." '?'." %B.&'(@+'* <" (%6,)7.&"+% "(%'.<B(. I "&) 1 1 +<2"+&"+% ".4?(N(' '*"+<.5* </' '?'." %B.&'(@+'* <" I(," +,&* (%6,)7." +%2" <.&5*%&.a" >?. "%B.&'(@+'* <" 1 +2" +,&* @+'?'." <"+%2" <..B+% "' 7*6) 1 .% '&" +%7" 6*%7)6" 9* ,,* I :)5"* < <.N)"'+, "(%'.<B(. I &/' +&" % .6.&&+<2a""

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K??\$,@'>!C)!K@+?&+67\$!G\$:87- &'8,!J.8%\$@ - .\$.!

H7+5'+N,."<.&*,)'(*%" (&+" B*,)%'+<2/"<. 1 .7(.&:

f G+<'(6(5+% '&" (%" +7+5'+N,." <.&*,)')(*%" 5<*6.&&.&" 1)&' " N." 5<*'.6'.7" 9<*1 " &.6*%7+<2"
B(6'(1(d+'(*%" +%7" *'?.<" 5*'.%'(+," ?+<1&/" (%6,)7(%@" '?." 5<.&&<." '*" 5<*6..7" '?<*)@?'
+7+5'+N,." <.&*,)')(*%"(%&'.+7"*0"9* <1+, "<.&*,)')(*%a"

I7,<#,:\$%& ;%/3\$+#"31&A<#"31/&

" H% " (%7(<.6'/" 9+6,(+' .7" 6*B.<&+'(*% " (%7(B(7)+,," 2" I('?' '?' . 6* 15,+(%+% '/' '?' . <.&5*%7.%/' +%7g* <' *?' .< 5+<'(6(5+% '&' '*' 7(&6)&&' .45.<(.%6." +%7" 5.<&5.6'(B." +%7" .45,*<.(%'.<.&'&" I ?(,." I *<Y(%@" '* I +<7&" 1 ..'(%@" .45<.&&.7"% .7&a">?(&' % .@*('+' .7"5*6.&&"7* .&"%*" "<.X)(.<.7(<.6'"(%'.<+6'(*%N.' I ..%" "?" .5+<'(.&"*?" "?" .5+<'(.&'+%7" *?' .<"5+<'(6(5+% '&'N)"'+?' .</'(%7.5.%7.%',2" I ('?'+"6*%<7(%+'*<a"

" H" 9+6,(+' .7" (%'.<+6'(*%N.' I ..%" '?' .<.&5*%7.%'" +%7" 0*,,.@" .9+6), '2"+%7g* <'&'+99"7.&(@% .7"'*5*%B(7." +66*)%'+N,('2/'&'<6')<.7"&)55* <'/' +%7"?' . 7.B.,*5 1 .%" *9" +", .+<%(%" 5,+%a" >?" .9*6)&" *9" + " 0UH" (&" *N+,+%6." &)55* <'/' +%7" +66*)%'+N,('2"9* <+"(%7(B(7)+, " I ?*?"? +&"+6Y* I .7@.7"?' .<(*N,(@+'(*%""<.5+<'? +<1 "+"%7" I (, (%@% .&&" *' .%@+@." (%" +% " .7)6+(*%+, 5<*6.&&a" >?" . 0UH" 1 *7., " 7* .&" %*" "<.X)(.< .5+<'(6(5+(*%9*1 "?" .6* 15,+(%+% '/'N)"'+&" I ('?'*?" .<"25.&"*9"+7+5'+N, .<.&*,)'(*%/'(" 1)&" N."B*,)'%'+<2"9* <'?" .6* 15,+(%+% '+'%7"?' .<.&5*%7.%' a"

Q .+&)<.&"?"+" 1+2"N." +@<. .7"'*+&"+<.&), "'*9"?' ."+7+5'+N, .<.&*,)'(*%5*6.&&" 1+2"(%6,)7."V"

f H,6*?*, ".7)6+(*%6,+&&.&"9* <'?" .<.&5*%7.%' i"

f C.@),+< 1 ..'(%@&" I ('?'+"%"+55*5<(+ ' .0*,,.@" .(%7(B(7)+,/')%('/*<.&*)<6. i"

f G.<1+% .%" .4'.%&(*%*9"+%*:6*%'+6"7(<.6'(B. i"

f C.&'<(6'(*%9*1 "5+<'(6(5+(*%("5.6(9(6'6),N&"+%7g* <'*<@+% (d+'(*%&i"

f <.&5*%7.%'"<.&'<(6'(*%9*1 "5+<'(6(5+(*%("5+<'(6),+<".B.%'&i"

f <.&5*%7.%'"6* 15,.'(*%*9"+% ".7)6+(*%+, 5,+% I ('?'<.@),+< 1 ..'(%@&" I ('?'?' ."+7+5'+N, .i" <.&*,)'(*%6*%<7(%+'*<*"?' .<+55*5<(+ ' .0*,,.@" .&'+99"*<9+6), '2" 1 . 1 N.<i"+%7g* <"

f 0*)%&.,(%@&.&&(*%&"9* <'?" .<.&5*%7.%' a"

\$(%7(B(7)+,&" I ?* I (&" *' 5+<'(6(5+." (%" +% "+7+5'+N, .<.&*,)'(*%5*6.&&" 1)&" ?+B." &)66.&&9),,2" 6* 15,.' .7" 5<.5+<+'*2" 1 ..'(%@&" I ('?'?' ."+7+5'+N, .<.&*,)'(*%6*%<7(%+'*<a"\$(%7(B(7)+,&" 1+2"N." +66* 15+%(.7"N2"+%"+7B(&.<+"+%2" 1 ..'(%@&"<.,+' .7"'*?" ."+7+5'+N, .<.&*,)'(*%5*6.&&a"

I7,<#,:\$%& ;%/3\$+##31&IF.%%0%1#/#&

H%2" +@<.. 1 .%'&" <.+6?.7" (%" +% " +7+5'+N, .<.&*,)'(*% 1)&" N." 7*6) 1 .%' .7" N2" '?' ."+7+5'+N, .<.&*,)'(*% 6*%<7(%+'*<"+%7" +55*%B.7" N2" '?' . 0(B(," C(@?'&" D" >('., "\$E" 0*%<7(%+'*<' *' .%&)<." 6*%&(&' .%62" I ('?'?' . "0*,,.@" .A&">('., "\$E"*N,(@+'(*%&a"H%"+@<.. 1 .%" I (,,"%*"N." 6*%&(7.<.7"B+, (7"9" '?' . 0(B(," C(@?'&" D" >('., "\$E" 0*%<7(%+'*<' 7* .&"%*" +55*%B." ('a"\$9" '?' . 0(B(," C(@?'&" D" >('., "\$E" 0*%<7(%+'*<' *<" 7.&(@%.. " +55*%B.&" +% " +@<.. 1 .%" +9'<' '?' . 5+<'(.&" ?+B." B*,)'%'+<(,2" <.+6?.7"

% .6.&&+<2" '*9+6(,'+'.'?'<.&*,)'(*%/'?'." 0*,,.@." 1+2"N."<.X)<.7" '*5<*7)6."<.6*<7&" 6<+'.'7" 7)<(%@"'?'(&"5<*6.&&"(%<.&5*%&." '*"+'b)7(6(+,&)N5* .%+"*("<+"L3CGH".7)6+'(*%+,<.6*<7"<.X) .&'a"\$9" +7+5'+N,.'<.&*,)'(*% (&' '*55.7" 5<(*<" '*6* 15,.'(*%/' &'+' . 1.%&" 1+7." N2" +5+<'2" (%"+7+5'+N,.' <.&*,)'(*% 1+2"%*"N.")&.7"(%"+7(&6(5,(%+<2"<.&*,)'(*%5<*6.&&"<.,+' .7" '*"'?'+" 1+''.<a"

I7,<#,:\$%&;% 0%7"/&3.&'1#%.C%1#31/&3.	%&B3\$\$F%&B3 0 0+1"#@&

\$%" +77('(*% " '*" (%'.<B.%'(*%&" +55,(.7" '*" '?'<.&5*%7.%'/' +%7" <.@+<7,.&&" *9" I?'.'?<" '?'." 0*,,.@." 5)<&).&+" ; (&6(5,(%+<2" C.&*,)'(*%*" *"' +Y.&" *'?'<" 9* <1+, "7(&6(5,(%+<2" +6'(*%/' '?'." 0(B," C(@?'&" D" >('," \$E" 0**<7(%+ '*<" 1+2" 9(%7("?'.,59), "*<" % .6.&&+<2" '*"<.X) .&" *"<".X)<." '?'<.&5*%7.%" '*"<" *'?'<.&" '*")%7.<' +Y." &5.6(9(6'&' .5&" 7.&(@% .7" '*" .,(1(%+' . "'?'." 1 (&6*%7)6'/" 5<.B.%" ('&"<.6)<<.%6./"+%7g* < .1.72" ('&" .99.6'&a" 34+ 15, .&" (%6,)7./" N) "'+<." %*"', (1 ('.7" '*"/'?' . "9*,, * I (%@V"

f C.X) .&'(%@"* "<.X)<(%@"+" 0*,,.@." %'('2" '*5<*B(7." "'<+(%@"9* "<'&'&'+99" * <1 . 1 N.<&i"

f C.X) .&'(%@"* "<.X)<(%@"'?'<.&5*%7.%" "'* "<.6.(B." "'<+(%@"i"

f 0*%'(%)(%@"+2"*9"?' .5<*'.6'(B." +%7"&)55* <'(B." 1 .+&)<.&"5<.B(*)&,2" .&' +N,(&? .7i"

f \$7.%'(92(%@"'?' . "% . .7" 9* <"+%2" +77('(*%+, "*<" *%@" (%@" 1 .+&)<.&/'&)55* <'&" +%7"<. 1 .7(.&i" * <"

f C.B(&(%@" 0*,,.@." 5* ,(6.&/'5<+6'(6.&/' * "<'&.<B(6.&a"

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+55<*5<(+'.<.&*,)'(%%"(.+6?)"6+&.a"

>?. "0(B("C@?'&"D">(',\$E"0**<7(%+*'<+,&*?'&'"?."7(&6<'(%%"*'"<.B(. I "+%2'(%'<(1"5<*'.6'(B." *<"<. 1.7(+," 1.&)<.&"*7'.<1(%." I?'.'?<'?'<2'&?'*),7"N."6?+@.7"*<+<."%*",%*@.<"+55,(6+N,.a" >?. "C.B(. I"G+%., "I(,,"(&&)." +7'.<1(%+*'(%%"&"+6'(%%"&"+%7"'?."5+<'(&" I(,,"<.6.(B."%*"6."*9"'?." 7'.<1(%+*'(%%" I('?'%9(B." \F]N)&(%.&&"7+2&"*9"'?." C.B(. I"G+%.,A&"<.6.(5""*9"+,," 1+'<(+,&"(%)"?." 6+&.a" L* <" 6+&. &" (%B*,B(%@ +,., @+*'(%%"&" *9" >(<." \$E" J.4)+, O+<+&&1.%/'" '?. " C.B(. I" G+%.,A&" 7'.<1(%+*'(%%"&". @+<7(%@&"+%6'(%%"&" I(,,"N."(%6,)7.7'(%)"?."O.+<(%@U99(6.<A&" I<'.'%7'.<1(%+*'(%%"a"

H%2" %*." * <" 1 * <." *9" '?. "&+%6'(%%"&"),(&'.7"?'<." 1+2"N." (15*&.7" %*"+<.&5*%7.%" I?'*(&"9*)%7" <.&5*%&(N,."9* <+"B*'+(%%"*9"'?."0*,, @.A&"J.4)+, +%7"\$%'.<5.<&*%+, "Q(&6*%7)6"G*,(62a"J+%6'(%%"&"+<." +&&. &&.7" (%'<.&5*%&." '*"'?." &5.6(9(6" B(*'+(%%"&]) +%7" +%2" 5<(*<" 7(&6(5,(%." ?(&'<2" *9" '?. "<.&5*%7.%'a"J+%6'(%%"&"+<." .99.6'(B." (1 1.7(+'. ,2a"\$9"'?."<.&5*%7.%" +55.+,&"'?'."9(%7(%@&"6*%'+(+%.7" (%)"?."L(%+, "C.5* </'"?'."&+%6'(%%"&" I(,,"6*%('). "(%".99.6"7"<(%@"'?'." +55.+,"a">?. "&+%6'(%%"&" 1+2"N." , (9'.7"*% ,2"(9"+&"+<.&), ""*9"'?."9(%+, "*')6* 1 ."*9"'?." +55.+,"/'?'."<.&5*%7.%" (&"9*)%7"%*%<.&5*%&(N,." 9* <*"%. " * <" 1 * <." *9" '?. " * <(@(%+, "5*,(62"B(*'+(%%"&")N 1 ('.7"'*"'?." C.B(. I" G+%., a&

T"/#&3>&83/' : \$%&), 16#31/&

H%2" %*." * <" 1 * <." *9" '?. "&+%6'(%%"&"),(&'.7"N., * I" 1+2"N." (15*&.7" %*"+<.&5*%7.%" I?'*(&"9*)%7" <.&5*%&(N,."9* <+"B*'+(%%"*9"'?."0*,, @.A&"J.4)+, +%7"\$%'.<5.<&*%+, "Q(&6*%7)6"G*,(62a"J+%6'(%%"& "%*%',"&'.7"?'<." 1+2"N." (15*&.7"(%"6*%&),'+(%%" I('?'+%7"+55<*B+, "N2"'?." 0(B("C@?'&"D">(',\$E" 0**<7(%+*'<a"

_____"\$%"+, "(%&' +%6.&" I?'<." +&')7.%" (&"9*)%7"<.&5*%&(N,."9* <." % @+@(%@" (%" G<?* (N(' .7"0*%7)6/'"?'." 0(B("C@?'&"D">(',\$E"0**<7(%+*'< I(,,"6*%&(&7.<+%7"7'.<1(%." I?'.'?'<."%*%:7(&6(5,(%+<2"/+7 1 (%&'<+'(B." 1.&)<.&"9* <"'?.", +<@.<"6+15)&"6* 1 1)%(2"+<." +55<*5<(+'.a" J)6?" <. 1.7(+,/" 6* 1 1)%(2:N+&.7" <.&5*%&.&" 1+2" (%6,)7". .7)6+'(%%+, "(%('+'(B.&"+%7g* <"<+(%@"&"/6,(1+'."&)<B.2&/'* <"*?'<.<+55<*5<(+'. 1.&)<.&a"

_____" H%2" &')7.%" 9*)%7" <.&5*%&(N,."9* <." % @+@(%@" (%" G<?* (N(' .7" 0*%7)6/'" I?'*(&"%*"5.<1+%.' ,2"&.5+<+'.7"9* <"1"'?."0*,, @./" I(,,"N.<.X)<.7"'*6* 15,.'." %*%:7(&6(5,(%+<2"/.7)6+'(%%+, "(%('+'(B.&"+'?"'."7(&6<'(%%"*9"'?." C.B(. I" G+%., a"

_____"8*'(6.'/" (%" I<'(%@"/'?'+"6*%(')+(%%"* <"<.5.' ('(%%"*9"G<?* (N(' .7"0*%7)6" 1+2"N." 6+)&."9* <"+77('(%%+, "7(&6(5,(%+<2"+6'(%%"a"

_____"H" I<'.'%<.5<(1+%7"9* <" B(*'+(%@"'?'." J.4)+, +%7" \$%'.<5.<&*%+, " Q(&6*%7)6" G*,(62a" >?(&"6*%7)6" &' +')&"&5.6(9(.&"+5.<(*7" *9" '(1."7"<(%@" I?'(6?"'?'." &')7.%" 'A&"@**7" &' +%7(%@" I('?'?'." 0*,, @." 1+2"N." (%" b.*5+<72a" >?. "&')7.%" (&" *99(6(+,2" I+<.7" ' ?+' 6*%(')+(%%"* <"<.5.' ('(%%"*9"G<?* (N(' .7"0*%7)6" 1+2"N."6+)&."9* <"+77('(%%+, "6*%7)6" +6'(%%" (%6,)7(%@"5<*N+'(%%"&)&5.%&(%%"* <"<.45),&(%%"9* <"1"'?."0*,, @.a"

_____"346,) &(%%"9* <"1"5+<'(6(5+'(%%"(%"5<(B(. @.7"+6'(B(' .&"9* <+"&5.6(9(.7" 5.<(*7"*9"(1." \5<(B(. @.7"+6'(B(' .&"1+2'(%6,)7."/N)" +<."%*" , (1(' .7"'*"/. .6'.7"* <"+55*(%'.7" HJU0"*99(6.&/'&')7.%" <.& .+<6?/'+'?., '(6&/'&* 1." &')7.%" . 15,*2 1.%'/' +%7"&')72" +N<"+7]a" H77('(%%+, "<.&'<(6'(%%"* <"6*%7('(%%"&" 1+2"+&"N." (15*&.7a" - (*'+(%%"&" *9" '?. " .<1 &" *9" 7(&6(5,(%+<2" 5<*N+'(%%" * <" +%2" *?'<." 0*,, @." 5*,(62" B(*'+(%%"&" 1+2"<.&), "" (%"9)"<'?'<." 7(&6(5,(%+<2"+6'(%%"a"

_____ "C.5+21 .% "'*"'?. "0*,,. @. "*<"*"+%+99.6'.7"5+<'2"9*<"7+ 1+@. &"<. &),'(%@"9<* 1 "+"
B(*,+ '(**%*9"?'(&"0*7.a">*". %9*<6. "'?(&"&+%6'(%%/"'?. "0*,,. @. "<. &. <B.&"'?. "<(@?'**" I('??*,7"
('&"'+%&6<(5'&"+%7"7. @<. .&"*<"*7. %2"+&')7. %"5+<'(6(5+'(%%"@"<+7)+'(%%"6.<. 1 *%(.&"+%7"
5<(B(. @.7".B.%'&a"

_____ "J')7. % '& " 1+2"N. "<. 1 *B.7"9<* 1 "0*,,. @. "?*)&(%@"+%7g*<"
N+<<. 7"9<* 1 "+55,2(%@"9*<"6+ 15)&"?*)&(%@"7). "'*7(&6(5,(%+<2"B(*,+ '(**%&"*9"?'(&"0*7.a"

_____ "346,) &(%%"9<* 1 "0*,,. @. "5<. 1 (&. &/"+''. %7(%@"6,+&&. &/"+%7"*'?. <"5<(B(. @. &"*<"
+6'(B('(. &"9*<"+&5. 6(9(.7"5. <(*7"*9"(1 ./"&"&. "9*<'?'(%"'?. "&)&5. %&(%%"*'(6.a"8*'(6. "9"?'(&"
+6'(%%" I(, "<. 1 +(%"(%"'?. "&')7. %'A&"6*%7)6"9(, . "+%7" I(, "N. "5. < 1+% . %',2"<. 6*<7.7"*%"'?. "
&')7. %'A&" +6+7. 1 (6" '<+%&6<(5'a" 0*%7('(%%&" 9*<" <. +7 1 (&&(%%" 1+2" N. " &5.6(9(.7" (%"'?. "
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_____ "G.< 1+% .% "''. < 1 (%+'(%%"*9'&')7. % "'&/'+'&"+%7".46,) &(%%"9<* 1 "0*,,. @. "5<. 1 (&. &/"
5<(B(. @. &/" +%7" +6'(B('(. &a" >?(&" +6'(%%" I(, " N. " 5.70Tm/TT2 1 Tf[(5<()0. (())0.2(%%"(2") -245.85<.)0

K??\$, @'>!N)!N+% -7&/!8.!M&+##! P \$ = 6\$.!M+, %&'8, ', E!J.8%\$@ - .\$.!

\$9" '?." <.&5*%7.%'" (&" 9*)%7" <.&5*%&(N,. " 9*<" +" B(*,+(*% " *9" *% ." *<" 1 *<." *9" '?." 0*,,.@.A&"

6*%&(&' .%'" I ('?'+%2"+55,(6+N, . "6*,,.6'(B."N+<@+(%("@"+@<.. 1 .%'a"

'<).'?'9(%7(%@"+&"*" I ?.'?.<"?'."+,,.@.7"6*%7)6"B(*,+'.7"?'."J.4)+,+%7"\$%'<5.<&*%+,"
Q(&6*%7)6"G*(62a">?."5+<'(.&" I (,"?+B. ""?. "*55*(<')%('2""*")N1 ("+"\$ 15+6""J'+'. 1 .% ""'*" "
'?." O.+<(%@" 0* 1 1 ('..' /" +%7" '?'." O.+<(%@" 0* 1 1 ('..' " I (," <.B(. I " '?'." 5+<'(.&A" \$ 15+6"
J'+'. 1 .% '&/' +%7" +, " *'?'<" 1+' .<(+,&" (%" '?'." 6+&." \<.7+6'.7" +&" % .6.&&+<2" +%7" +55<*5<+'.] "
(%6,)7(%@"?'." O.+<(%@"*%<"\$%B.&'(@+'(*%"U)'6* 1 ."+%7"+'+6?.7"+55.%7(6.&/'(%" +&&.&&(%@"?'." "
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K??\$, @'>!Q)!K??\$+7!J.8%\$@ - .\$.!

H55.+,&"*9"? .+<(%@"*<"(%B.&'(@+'(B. "*")'6* 1 .&" 1 +2"N."9(, .7"N2" .('?.<"5+<'2a"H55.+,&" 1)&"N."&.%"
'*"'?."