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>?(&'G\*,(62"5<\*?(N('&"+,,9\* <1&"\*9"7(&6<(1(%+'(\*%\*"<?'<+&&1.%'"\*\*"'?'.'N+&(&"\*9"&.4"/(%6,)7(%@\*\*"'?'.'N+&(&"\*9"&.4"/&.4)+,"\* <(.%'+(\*%/"@.%7.<".45<.&&(\*%/"@.%7.<"(7.%'('2"/\* <.<5<\*7)6'(B."?'.,?'7.6(&(\*%:1+Y(%@]"(%6,)7(%@&.4)+,"+&&+),/'7+'(%@B(\*.%6."/7\*1.&'(6"B(\*.%6."/&.4)+,".45,\*('+'(%%/'&'+,Y(%@"/+%7"6\*15,(6'2a">?(&'G\*,(62"+,&\*5<\*?(N('&".'+,(+'(%%"+@+(&'\*\*"+5.<&\*%I?'\* <.5\* <'&/'6\*15,+(&&"N\*)'/'\* <I?'\* \*\*'?'<I(&."5+<'(6(5+'.&'(%@\*\*7"9+'?')(%/+2"1+'.'<.,+'.7"\*\*\*'(&'G\*,(62a"H,,?'.'9\* <.@\*(%@6\*%7)6"7"1(.,N."<.9.<..7"\*\*\*+&\_G<\*?(N('7"0\*%7)6'a`"

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J.4)+,"?<+&&1.%'"(&"+&\*5<\*?(N('7")%7.<)>(&."\$E"/>(&."-\$\*\$9"?'.'0(B('C(@?'&'H6"\*\*\*9"! [K=/'?'.'0+,(9\* <%(+L+(<'315,\*21.%'"7"O\*)&(%@"H6'"/+%7"\*\*\*'?'<+55,(6+N,.'&'+').&a">?(&'G\*,(62"5<\*?(N('& &.4)+,"?<+&&1.%'"@+(&"U66(7.%'+,"6\*11)%(2"1.1N.<&"\*9"+%2"&.4"/&.4)+,"\* <(.%'+(\*%/"@.%7.<"(7.%'('2"/\* <@.%7.<".45<.&&(\*%("?'?'.'6\*%'.4"\*\*\*9".7)6+'(\*%\*" <.15,\*21.%'a">?(&'G\*,(62"+,&\*5<\*?(N('&@.%7.<:N+&.7"?<+&&1.%'"\*\*'?'+'7\*.&"\*\*'"(B\*B,B."6\*%7)6"\*\*\*9"+&.4)+,"%+').a"

>?. "0\*,,.@."&'<\*%@,2".%6\*)<+@.&"+,,1.1N.<&"\*9\*)<6\*11)%(2"\*\*\*+6"\*\*\*"1+(%'+(%+"%7"9+6,(+'.'+"&+9."I.,6\*1(%@"/+%7"<.&5.6'9),".%B(<\*"1.%'"\*\*%"6+15)&a">?. "0\*,,.@.".45.6'&"?'+'+", "U66(7.%'+,"6\*11)%(2"1.1N.<&"I(.,'+Y."<.+&\*%+N,."+%7"5<)7.%'"6'(\*%&"\*\*"5<.B.%'"\* <\*&'\*5"G<\*?(N('7"0\*%7)6'a">?. "0\*,,.@."&'<\*%@,2"&55\* <'&("7(B(7)+,&"I?'\*6?\*\*\*&."\*\*'+Y."&)6?"6'(\*%"+%7"1(.,5<\*'.6"&)6?"(%7(B(7)+,&"9\* <1"<.'+,(+'(%%a"W5\*%<.6.(5"\*\*\*9"+<.5\* <'/'?'.'0\*,,.@."I(.,'+Y."5<\*15"+%7".X)('N,.'+6'(\*%\*"\*\*"..(1(%+'.'?'?'.'G<\*?(N('7"0\*%7)6"'\(9"+%2]/"5<.B.%'"('&"<.6)<<.%6."/+%7"<.1.72"('&".99.6'&a"\$%"+77('(\*%/"?'.'0\*,,.@."I(.,'9),('&"\*N,(@+(\*%&)%7.<'?'.'-(\*,.%6."H@+(&&"c\*1.%"C.+)'? <(d+(\*%H6"\*\*\*9"#R!S"\\_HcH`]"1.%71.%'&"\*\*"'?'.'e.+%%".0,<2";(&6,\*&)<."\*9"0+15)&"J.6)<'2"G\*,(62"+%7"0+15)&"0<(1."J'+('6&H6"'\\_0,<2'H6`]"(%<.&5\*%&."\*\*"<.5\* <'7"

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U66(7.%'+,"0\*,,@.A&"5<(1+<2"6\*%6.<%"(&"&')7.%'+%7". 15,\*2.."+9.'2a"L\* <".B.<2"<.5\*<'/'?'."0(B," C(@?'&"D">('.,.\$E"0\*\*<7(%+'\*<" I(,,"<.B.(I"'?'."6<6) 1&' +%6.&"\*9'?'."<.5\*<' .7"6\*%7)6'" \*7.'.<1 (%." I?.'?'<"'?. "0\*,,@."?+&"b)<(&7(6'(\*%\*"<7(&6(5,(%+<2'+) ' ?\*<'(2"\*B.<'?'."<.5\*%7.%' \* <'?'."6\*%7)6'a" \$%" .4.<6(&(%@b)<(&7(6'(\*%\*"B.<+% "U66(7.%'+, +99,(+ .7.<.5\*%7.%'9\*<.<.5\*<' .7"6\*%7)6'" ?+' \*66)<&" \*99"6+15)&" +%7" ?+' ?+&"%\*" .4)&" \*' ?'. "0\*,,@." \* <+" 0\*,,@. :.<.,+' .7" \* &5\*%& \* <.7" .7)6+'(\*% 5<\*@<+1 " \* <+'(B('2"/'?' . "0\*,,@.A&" +N('2" '\* " (%B.&'@+' . +%7" ( 15\*&."7(&6(5,(%+<2'+6'(\*% 1+2"N." , (1('7a"\$% "(%&' +%6.&" I?.<."?'."0\*,,@."7\* .&" \*' ?'+B."7(&6(5,(%+<2'+) ' ?\*<'(2"\*B.<'?'."<.5\*%7.%'/' ?'."0\*,,@." I(,,"&'(',"+Y."<.& \*%+N,2"+B(+, +N, ."&' .5&" \*' & )55\*<'+"6\* 15,+(%+% "' ?<\*)@?'(')'.<(1 " \* < & )55\*<'(B." 1 .+&)<.&" +%7" I(,,"+&&(&"+"6\* 15,+(%+% "' (%(7.%'(92(%@" .4'.<+%+,"<.5\*<'(%@" 1 .6?+&(& 1 a""

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>?(&"G\*,(62"+55,(. &"\*"+,,"\*%:6+15)&"6\*%7)6'" +%7' & \* 1 . \*99:6+15)&"6\*%7)6'/" +&"7.&6<(N.7"N., \* I a" >?."0\*,,@." &' < \*% @,2".%6\* )<+@ .& <.5\*<' & " \*9"G<\*?(N(' .7"0\*%7)6'"<.@+<7,.&&"\*9", \*6+'(\*%a"3B.%"(9'?' . " G\*,(62"7\* .&"%\*" +55,2" '\* "' ?'. "6\*%7)6'"N.6+)&." \*9'(' & ", \*6+'(\*%/'?' . "0\*,,@." I(,,"+Y."5<\* 15" +6'(\*% '\*5<\*B(7."9\*<'?' .&+9.'2"+%7" I .,,:N.(%@"\*9'?' . "6\* 15,+(%+% "' +%7"?' . "N<\*+7.<'6+15)&"6\* 1 1 )%('2a"

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f L\*%7,(%@(&"'?. '\*')6?(%@"\*9"?'."5<(B+'."N\*72"5+<'&"\*9"+%\*'?'.<"5.<&\*%"9\*<"'?. "5)<5\*&."\*9"







V" j )(7" 5<\* X)\*" ?+<+&& 1 .% " \*66)<&" I ? .% & )N1 (&&(\*% " '\* " \*<  
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+99.6'(%@" +%" (%7(B(7)+,A&" .7)6+'(\*%" \.a@a/" +71 (&&(\*%/" +6+7. 1 (6' &'+%7(%@"/" @<+7.&/"  
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G<\*?(N('7"0\*%7)6'"\* <5+<'(6(5+'(%@"(% "+"2"5<\*6..7(%@")%7.<'?'(&"G\*,(62a"H7B.<&."+6'(\*%"(%6,)7.&"  
6\*%7)6'"'+?+'?'<.'%&/"(' (1(7+'&/" ?+<+&&.&/"6\* .<6.&/"\* <'?'+"&..Y&" '\*7(&6\*)<+@."+"<.&\*%+N,."  
5.<&\*% "9<\* 1 " .%@"+@(%@"(% "+"6'(B('2"5<\*'.6'.7")%7.<'?'(&"G\*,(62a"C.'+(+(\*%"6+% "N."6\* 1 1 ('.7"N2"\*<  
+@+(%&""+2"(%7(B(7)+, "\*<@<\*)5"\*9"(%7(B(7)+, &/"%\*"b)&""+"0\* 15,+(%+% "'\* <"C.&5\*%7.% 'a"C.'+(+(\*%"  
7\* .&%"\*%"(%6,)7. "@\*\*7"9+('?'+6'(\*%&"+I9),,2"5)<&).7"(%<.&5\*%&." '\*"+<.5\* <"\*9"G<\*?(N('7"0\*%7)6'a"  
C.'+(+(\*%" 1+2"N."5<.&.% " .B.% "I ? .<."?'<."(&"+9(%7(%@"\*9"\_%\* <.&5\*%&(N,( '2`"I ('?'<.&5.6'"\*"'?'."  
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5<\*'.6'(\*%9<\* 1 "+%2"9\* <1 "\*9"<.'+(+(\*%"9\* ,,\* I(%@"+<.5\* <"\*?'+'(& 1+7."(%@"\*\*7"9+('?'/" .B.% "9"?'."  
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\*9" '?." 0\*,,.@." 6\*),7"b.\*5+<7(d." '?'." (%' .@<('2" \*9" '?." +6+7. 1(6" +%7" ,(B(%@" .%B(<\*" 1 .%" \*9" '?."  
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&).5.<B(&\* < \&]'"\*9"'?. "(%7(B(7)+, \&])(%B\*,B.7a">? ."( %7(B(7)+, I('?'?' .5\* I .<\*" < '&'+)'&"+7B+%'+@." (%  
'?' .<.,+'(%%&'(5" 1) &'<.X) .&"'"?' . .46.5'(%%" (% I<('(%@a">? . "0?(.9"O) 1+% "C.&\*)<6. "U99(6.< I(,"  
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'\*"'?. ".99.6'(B."7+' ."\*9"'?(&"G\*,(62i"+%7g\* < "#]"?' .<.,+'(%%&'(5".4(&' .7"5<(\*<'\*"+6'+%@." (%' .('?'<  
5+<'%.<A&"&'&'+)'&"+'"?' .0\*,,.@."a"

**≡%>"1"#"31/3>? %@&!%. 0 /k,17kA#9%.kB31/"7%.,#"31/k**

>\* 5<\*<B(7." 6,+<('2" +&" \*"'?' . "Y(%7&" \*9" N. ?+B(\*<'?'+" 6\*%&'(')'. "G<\*<?(N(' .7" 0\*%7)6'/" '?' . 0\*,,.@." 7.9(% .&"Y.2" .< 1& I ?(6?' I(,"N.")&.7"(% .B+,)+'(%@" I ?.'?'<G<\*<?(N(' .7" 0\*%7)6'"+&"\*66)<<.7a"

\_H99(<1+'(B." 0\*%&. %'`"(&+%"+99(<1+'(B."/6\*%&6(\*)&"/+%7"B\*,)'+<2'+@<.. 1 .%"'"\*". %@+@."(%"&.4)+,  
+6'(B('2a"H99(<1+'(B." 6\*%&. %'"(&"<.X)(<.7"9\* <"+%2' &.4)+,"+6'(B('2"'\*"\*66)<"N.' I..%"' I \*"\*< 1 \* <."  
(%7(B(7)+, &a\$"(&"'?' .<.&5\*%&(N,('2\*9" .+6?'5.<&\*%(%B\*,B.7"(%"'?' .&.4)+,"+6'(B('2"'\*". %&)<.'?'+'"'?' .  
5.<&\*%?"&'"?' . "+99(<1+'(B." 6\*%&. %'"\*9"'?' . \*"'?' .< \&]'"\*". %@+@."(%"'?' .&.4)+,"+6'(B('2a"

" \$" I(," %\*"N."+"B+, (7.46) &." \*'+, .@." ,+6Y"\*9"+99(<1+'(B." 6\*%&. %'"?'+'"'?' .<.&5\*%7. %"N., (B.7"'?'+"  
'?' .6\* 15,+(%+% "'6\*%&. %' .7"'\*"'?' .&.4)+,"+6'(B('2")%7.<.(?'<\*"9"'?' .9\* ,\* I (%@"6(<6) 1 &'+%6.&V"\+]  
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<.&5\*%7. %'/'\* < \N]"?' .<.&5\*%7. %'"7(7"%\*"'"+Y."<.+&\*%+N., "&' .5&/"(%"'?' .6(<6) 1 &'+%6.&"Y%\* I %'"\*"'?' .  
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+6'(B('2'(&"%\*"6\*%&.6.&&+<(,2"@B(%@"6\*%&.%'a'C..2(%@"&\*,.,2")5\*%\*%\*:B.<N+,6\*11)% (6+'(%%  
6+%,.,+7"'\*"+9+,&."6\*%6,)&(\*%"+&"\* I?.'?.'?<"6\*%&.%" I+&"&\*)@?"\*%<"@B.%a"

f \_\_\_\_\_ "H99(<1+'(B."6\*%&.%"11)&"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/  
(%7(B(7)+,&"6?\*"\*&(%@"\*"%@+@."(%&.4)+,+6'(B('2"1)&"'.B+,)'."6\*%&.%'(%@"+%"\*%\*%\*(%@"  
1+%%.<"+%7"6\*11)% (6+'."6,.,+<,2"'?<\*)@?\*"')"+,,"&'+@.&"\*9"&.4)+,+6'(B('2a" c ('?'7<+I+,"\*9"  
6\*%&.%"6+%"N."+"B.<N+,2".45<.&&.7"\_%\*%`\*%<\_&'5`\*%<"6+%"N."N+&.7"\*%"+%"\*')I+<7"  
7.1\*%&'<+'(%%"?'+'6\*%B.2&"'?'+'+"(%7(B(7)+,("&'?.&(+%/ "6\*%9)&.7"/)%6.<'+(%/"\*%<"(&"\*%"  
,\*%@.<"+1)')+,5+<'(6(5+%'a"U6."6\*%&.%"(&"I('?'7<+I%"'?'."&.4)+,+6'(B('2"1)&"'6.+&."  
(11.7(+'.2"/+%"7"+,5+<'(&"1)&"\*N'+(%"1)')+,2".45<.&&.7"\*%<"6,.,+<,2'&'+.7"6\*%&.%"  
N.9\*%<."6\*%(')(%@"9)<'?.'<"&.4)+,+6'(B('2a"

f \_\_\_\_\_ "O\*%&.%"1\*%\*%."9\*%<1"\*9"&.4)+,"6\*%'6'7\*.&"%\*"6\*%&'(')'."6\*%&.%"1\*%+,,"  
9\*%<1&"\*9"&.4)+,"6\*%'6'7"/%\*%<"7\*.&"6\*%&.%"1\*%&.4)+,+6'(B('2" I ('?'\*%."5.<&\*% "6\*%&'(')'."  
6\*%&.%"1\*%"+6'(B('2" I ('?'+"%2"\*?'?<"5.<&\*%a"3+6?"5+<'(6(5+%"("+"&.4)+,."6\*%)%'<"1)&"  
6\*%&.%"1\*%"+6?"9\*%<1"\*9"&.4)+,"6\*%'6'7" I ('?'+"6?"5+<'(6(5+%'a"3B.%"("?'."6\*%"4"9"+  
6)<<."%\*"5<B(\*)&'(%'(1+'."<.,+'(%\*&'?(5)".+6?"5+<'2"1)&"6\*%&.%"1\*%"+6?"(%&'+%6."\*9"&.4)+,  
6\*%'6'7"+6?"(1.a">?".6\*%&.%"1)&"N."N+&.7"\*%("1)')+,2")%7.<&'+%7+N,."6\*11)% (6+'(%%  
'?'+'6,.,+<,2")%7(6+'&"+I(,(%@%.&&"\*%."%@+@."(%&.4)+,+6'(B('2a">?".1.<."9+6"'?'+'?'<."  
'?+&"N..%"5<(\*%("'(1+62"\*%<"&.4)+,+6'(B('2"7\*.&"%\*" / "N2"('&.9/"(15,2"6\*%&.%"1\*%9)')<."6'&a"

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\$%".B+,)'(%@"I?.'?.'?<"6\*%&.%"1?+&"N..%9<.,2"&\*)@?\*"'+%7"@B.%/"?'."0\*,,@."I(,"6\*%&(7.<"+,,"  
<.,.B+% "9+6'&"+%7"6(<6)1&+%6.&/"(%6,)7(%@"N)"%\*"', (1('7"'\*"/"?."+@.&"\*9"?."5+<'(&i"?'."5<.&.%6."  
\*9"+%2"9\*%<6."?'?<."\*9"9\*%<6."/(%'(1(7+'(%%/"\*%<6\*.<6(\*%i" I?.'?.'?<"?."6\*15,+(%+% "'?+7"?'."6+5+6('2"  
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5+<'(&"I\*),7"N."(%'<5<.'.7"N2"+<.+&\*%+N,."5.<&\*%")%7.<&(1(+<'6(<6)1&+%6.&"+%7" I ('?'&(1(+<  
(7.%'('(&]"+&"+I(,(%@%.&&"\*%."%@+@."(%+"5+<'(6),+<"&.4)+,+6'a"

>?".J'+".\*9"0+,9\*%<(+%6\*%&(7.<&"&.4)+,("%'.<6\*)<&."I('?'+"1(%\*%<"\+"5.<&\*%")%7.<?"?'."+@."\*9"!P]"\*%  
N.")%+,I9),a"H"5.<&\*% "I?\*"%.%@+@.&"(%)"%+,I9),"&.4)+,("%'.<6\*)<&."I('?'+"1(%\*%<"7\*.&"&\*% "I('?'\*)"  
+99(<1+'(B."6\*%&.%"1+&"7.9(%."7"N2"?'."0\*,,@.A&"J.4)+,+%7"\$%'.<5.<&\*%+,,"Q(&6\*%7)6"G\*,(62a"

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\_L\*%<6.`"(&"'?'.)&."\*%<'?<.+%"\*9"5?2&(6+,B(\*,.%6."\*%\*%B.<6\*1."+"%(%7(B(7)+,A&"9<..7\*1"\*9" I(,,"\*%  
6?\*"\*&."I?.'?.'?<"\*%\*%\*"5+<'(6(5+.'"(%&.4)+,+6'(B('2"\*%<"5<\*B(7."6\*%&.%"a"0\*%&.%"1\*%N'+(%."7"N2"  
9\*%<6."(&"%\*"B+,(7a"L\*%<'?'.)&."\*9"9\*%<6."\*%N."7.1\*%&'<+'.7"/"?'<."(&"%\*"<.X)(<.1.%"1?'+'+"  
6\*15,+(%+% "'<.&(&"'?'."&.4)+,+7B+%6."\*%<.X).&'a"O\*I.B.</"B(7.%6."\*9"<.&(&'+%6."N2"?'."  
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I?.'?.'?<"\*%\*%\*"5+<'(6(5+.'"(%&.4)+,+6'(B('2"\*%<"5<\*B(7."6\*%&.%"a"0\*%&.%"1\*%N'+(%."7"N2"  
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**98, # '@ \$ , & ' +7' & / ! ! J . ' ( + % / ! ! + , @ ! G \$ 7 + & \$ @ ! G \$ ? 8 . & ' , E ! G \$ : ? 8 , : ' 6' 7' & ' \$ : !**

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> ? . & . " 5 < \* 6 . 7 ) < . & " + < . . % ' ( < . , 2 " + 7 1 ( % (& ' < + ' ( B . " ( % " % + ' ) < . " + % 7 " + < . % " \* " 6 \* % & ( 7 . < 7 " . , @ + , " 5 < \* 6 . . 7 ( % @ & " / " N ) " < + ' ? . < 5 < \* 6 . 7 ) < . & " 7 . & ( @ % . 7 " " \* " + 7 7 < . & & " 5 \* , ( 6 2 " B ( \* , + ' ( \* % & a " 8 \* " 5 + < ' 2 " 1 + 2 " + ) 7 ( \* " \* < " B ( 7 . \* " < . 6 \* < 7 " ' ? . " 5 < \* 6 . . 7 ( % @ & a " H7B ( & \* < & " 1 + 2 " % \* " " & 5 . + Y " 9 \* < / " \* < " \* % " N . ? + , 9 " \* 9 " 5 + < ( . & / " I ( ' ? " " ? . " 4 6 . 5 ' ( \* % " \* 9 " + " 5 + < ' 2 a & " + 7 B ( & \* < " 5 + < ' ( 6 ( 5 + ' ( % @ " ( % " + " ? . + < ( % @ " ) % 7 . < " H55 . % 7 ( 4 " H " I ? \* " I ( , , + & Y " X ) . & ' ( \* % & " \* 9 " " ? . " \* " ? . < 5 + < ' 2 " + % 7 " I ( ' % . & & . & N ) " " I ( , , % \* " " " ? . < I ( & . " + 6 " " \* " N . ? + , 9 " \* 9 " + 5 + < ' 2 a " )

> ? . " 0 ( B ( , " C ( @ ? ' & " D " > ( ' , . " \$ E " 0 \* \* < 7 ( % + ' \* < " I ( , , < . ' + ( % " < . 6 \* < 7 & " \* 9 " + , , < . 5 \* < ' & " + % 7 " 6 \* 1 5 , + ( % ' & / " < . @ + < 7 , & & " \* 9 " I ? . ' ? . < " " ? . " 1 + ' ' . < (& < . & \* , B . 7 " N2 " 1 . + % & " \* 9 " \$9 " ( ' ( + , " H & & . & & 1 . % ' / " H7 + 5 " + N , . " C . & \* , ) ' ( \* % " \* < " ; (& 6 ( 5 , ( % + < 2 " C . & \* , ) ' ( \* % a " 0 \* 1 5 , + ( % ' & " < . & \* , B . 7 " N2 " 1 . + % & " \* 9 " + % " \$9 " ( ' ( + , " H & & . & & 1 . % " " \* < " H7 + 5 " + N , . " C . & \* , ) ' ( \* % " + < . " % \* " 5 + < " " \* 9 " + " & ' ) 7 . % ' A & " 6 \* % 7 ) 6 " 9 ( . " \* < " + 6 + 7 . 1 ( 6 " < . 6 \* < 7 a " H99 ( < 1 + ' ( B . " 9 ( % 7 ( % @ & " \* 9 " < . & 5 \* % & ( N ( , ' 2 " ( % " 1 + ' . < & < . & \* , B . 7 " " ? < \* ) @ ? " ; (& 6 ( 5 , ( % + < 2 " C . & \* , ) ' ( \* % " < . " 5 + < " " \* 9 " + " & ' ) 7 . % ' A & " 6 \* % 7 ) 6 " )



f '?. "7.9(%('(\*%\*"9"&.4)+,"?+<+&&1 .%" )%7.<"S="OLC"!RKaSR\+|j"  
f '?. "&6\*5. "9"?."0\*,,. @.A&".7)6+'(\*%"5<\*@<+1 "\*<"+6'(B('2"+&"7.9(% .7"N2""?. "&+1 .<.@),+ '(\*%&i"  
f ?\* I "'\*"6\*%7)6'" (%B.&'(@+'(\*%&" \%"\*"'<.X)(<.7"9\*?"?. +<(%@&" \*<"+55.+,&" \*99(6.<&|/" ? .+<(%@&/" +55.+,&/" +%7"(%9\* <1+, "<.&\*,) '(\*%"5<\*6. &&. &i"  
f ?\* I "'\*"&. <B. "(15+<'(+,,2/"(%6,)7(%@"N2"+B\*(7(%@"5<.b)7@1 .%"\*"9""?. "9+6'&+"("&&)./"6\*%9,(6'&" \*9"(%' .<.&"/"+%7"N(+&i"+%7"  
f (&&).&"\*9"<.,.B+%6. "9"X).&'(\*%&"+%7" .B(7.%6./" (%6,)7(%@" I?.%"X).&'(\*%&"+%7" .B(7.%6. " +N\*)""?. "6\*15,+(%+% 'A&"&.4)+,"5<.7(&5\*&'(\*%"\* <"5<(<"&.4)+,"N. ?+B(\*<"+<."%\*" <.,.B+% 'a"

H%2"(%7(B(7)+," I ?\* I (,"N. "6\*\*<7(%+'(%@"+"2"?. +<(%@"(%B\*,B(%@">('."\$E"J.4)+,"O+<+&&1 .%" 1 )&" +,&\*?"?+B. ""<+(%(%@"\*%"?"\* I ""\*)&. "+%2".6?%\*,\* @2""?+" I (,"N.")&.7+"+"(B. "? .+<(%@a"

\$%B.&'(@+'\* <&"1 )&""?+B. ""<+(%(%@"\*%"?"9\*,,\* I (%@"5<(\*<""\*6\* 1 1 .%6(%@"+"<\*,. "(%+"2"6+&. "(%B\*,B(%@" >('."\$E"J.4)+,"O+<+&&1 .%" 'V"

f '?. "7.9(%('(\*%\*"9"&.4)+,"?+<+&&1 .%" )%7.<"S="OLC"!RKaSR\+|j"  
f '?. "&6\*5. "9"?."0\*,,. @.A&"\_.7)6+'(\*%"5<\*@<+1 "\*<"+6'(B('2`"+&"7.9(% .7"N2""?. "<.@),+ '(\*%&i"  
f ?\* I "'\*"6\*%7)6'" (%B.&'(@+'(\*%&/"?. +<(%@&/" +55.+,&/" +%7"(%9\* <1+, "<.&\*,) '(\*%"5<\*6. &&. &i"  
f ?\* I "'\*"&. <B. "(15+<'(+,,2/"(%6,)7(%@"N2"+B\*(7(%@"5<.b)7@1 .%"\*"9""?. "9+6'&+"("&&)./"6\*%9,(6'&" \*9"(%' .<.&"/"+%7"N(+&i"  
f (&&).&"\*9"<.,.B+%6.i"+%7"  
f ?\* I "'\*"6<.+.' .+"(%B.&'(@+'(B. "<.5\* <'""?+"9+(<,2"&) 1 1 +<(d.&"<.,.B+% "" .B(7.%6.a"

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

W 5 \* % "< . 6 . ( 5 " \* 9 " . + 6 ? " 5 + < ' 2 A & " < . & 5 \* % & . " \* " ? . " . B ( 7 . % 6 . " < . B ( . I . 7 / " ? . " \$ % B . & ' ( @ + ' \* < " I ( , , 7 . ' . < 1 ( % . " ( 9 " + % 2 " + 7 7 ( ' ( \* % + , " ( % B . & ' ( @ + ' ( \* % " ( & " % . . 7 . 7 a " \$ % " + 7 7 ( ' ( \* % / " . ( ' ? . < " 5 + < ' 2 " 1 + 2 " \* 9 9 . < " % . I " I ( ' % . & & . & " \* < " \* ' ? . < " % . I " . B ( 7 . % 6 . a " > ? . " \$ % B . & ' ( @ + ' \* < " I ( , , 6 \* % & ( 7 . < " ? . " < . & 5 \* % & . & " 5 < \* B ( 7 . 7 " I ( , , 5 \* & . " X ) . & ' ( \* % & " \* " 5 + < ( . & " \* < " I ( ' % . & & . & " + & " + 5 5 < \* 5 < ( + ' . " \ + " " ? . " 7 ( & 6 < . ' ( \* % " \* 9 " ? . " \$ % B . & ' ( @ + ' \* < / " + % 7 " ( % ' . < B ( . I " % . I " I ( ' % . & & . & / " + % 7 " + 6 6 . 5 " % . I / " < . , . B + % ' / " . B ( 7 . % 6 . a " \$ 9 " % . I " < . , . B + % " . B ( 7 . % 6 . " ( & " 5 < \* B ( 7 . 7 " N 2 " . ( ' ? . < " 5 + < ' 2 " \* < " @ + ' ? . < . 7 " N 2 " ' ? . " \$ % B . & ' ( @ + ' \* < / " ' ? . " % . I , 2 " @ + ' ? . < . 7 " . B ( 7 . % 6 . " \ ( % 6 , ) 7 ( % @ " + % & I . < & " ' \* " 6 , + ( 9 2 ( % @ " X ) . & ' ( \* % & ] " I ( , , N . " 1 + 7 . " + B + ( , + N , . " 9 \* < " < . B ( . I " N 2 " . + 6 ? " 5 + < ' 2 a " 3 + 6 ? " 5 + < ' 2 " I ( , , ? + B . " 9 ( B . " \ F ] " N ) & ( % . & & " "

- % . " 1Fk

O.+<(%@&" I(, "N."? .,7"B(+B(7. \*6\*%9.<. %6(%@a"G<(\*<"\*"'? ."?. +<(%@/'"? ."O.+<(%@"U99(6.<" I(, "<.6.(B." (%&'<)6'(\*%&" <.@+<7(%@" '?'." \*5.<+(\*%" \*9" +%2" +)7(\*:B(&)+, " .X)(5 1 .%" 9\*<" '?'." ?.+<(%@a" 3+6?" 5+<'(6(5+% '&'?+, ",&\*N. "5<\*B(7.7" I('?'(%&'<)6'(\*%&"\*%?"\* I ""\*"+66.&&"'? ."?. +<(%@a"3+6?"? ." +<(%@" I(, "







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 345,+(% "'?+'?."&' )7.% "'?+&" +<(@? "' '\*'+%" +7B(&\* <"\*9"?' .(<"6?\*(6."7)<(%@"'?' ."5<\*6.&&" +%7"  
5<\*B(7."+,(&"\*9"0\*,,@." 15,\*2..&"<+(% .7"+&" +7B(&\* <&" )5\*%<.X) .&'a"

f >?. "0\*,,@.A&" +,6\*?\*, "+%7"7<)"@+ 1% .&'2"5\*,(62a"

f >?. "0\*,,@.A&" 5\*,(62"5<\*?(N('(%@"<. '+,(+(\*%a"

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0\*%6)<<.% ',2/'?' 0(B, "C(@?'&"D">(',."\$E" 0\*\*<7(%+'\*<" I(,,"&.,.6"' +<+(% .7" (%'.<%+, "\*<" .4'.<%+,  
\$%B.&'(@+'\*<" \\_%\$B.&'(@+'\*<" j" '\*6\*%7)6"' +<. +&\*%+N,./" (15+<'(+,/' +%7"5<\* 15"'(%B.&'(@+'(\*% "\*9"?' ."  
6\* 15,+(% "' \\_%\$B.&'(@+'(\*% `ja">?. "0(B, "C(@?'&"D">(',."\$E" 0\*\*<7(%+'\*<" I(,,"&.,.6"' +% "\$%B.&'(@+'\*<"  
N+&.7"\*%&.B.<+,"9+6'\*<&/'(%6,)7(%@"'?' ."5+<'(.&'(%B\*,B.7/'?' ."6\* 15,.4('2"\*9"?' ."6\* 15,+(% '/'?' ."% .7"  
'\*"+B\*(7" +%2" 5\*'.% '(+," 6\*%9,(6" \*9" (%'.<.&'/' +%7" I?\*" 1+2" N.&" 6\*%7)6"' +9+<' +%7" .X)(' +N,."  
(%B.&'(@+'(\*% "9\*<" +,," 5+<'(.&'(%B\*,B.7a">?. "0(B, "C(@?'&"D">(',."\$E" 0\*\*<7(%+'\*<" I(,,"%\*(92"?' ."  
5+<'(.&'(% I<'(%@"/\*9"?' ."%+ 1."\*9"?' ."7.&(@%+' .7"\$%B.&'(@+'\*<+'?' ." '(1."?' ."0(B, "C(@?'&"D">(',."  
\$E" 0\*\*<7(%+'\*<'(&&).&'?' ."%\*(6."\*9"(%B.&'(@+'(\*%a">?. "5+<'(.&' I(,,"?+B."?'<.. "\SJ'N)&(% .&&"7+2"\*"  
\*Nb.6"' '\*"'?' ."\$%B.&'(@+'\*<A&"&.,.6'(\*% "%%"?' ."N+&(&"\*9"N+&"\*<"6\*%9,(6" \*9" (%'.<.&'a"\$9' .('?' .<"\*9"?' ."  
5+<'(.&' \*Nb.6'&'/'?' ."0(B, "C(@?'&"D">(',."\$E" 0\*\*<7(%+'\*<" I(,," B+,)+'. " I?.'?' .<"?' ." \*Nb.6'(\*% ("&"  
&)N&' +% '(+ .7a">?. "0(B, "C(@?'&"D">(',."\$E" 0\*\*<7(%+'\*<" I(,,"<. 1 \*B. "+%7"<.5,+6. "+%2"\$%B.&'(@+'\*<"  
'?' ."0(B, "C(@?'&"D">(',."\$E" 0\*\*<7(%+'\*<"

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U%6."?'."\$%('(+,"L+6':^+'?.<(%@"(&"6\* 15,.'./'?'."0(B("C(@?'&"D">('."\$E"0\*\*<7(%+'\*<" I(,"5<\*B(7."  
'?."\$%'.<B(. I "J

\$%B.&'@+'\*<"7.'.<1(%.&""?+'""?. "G<.,(1(%+<2"\$%B.&'@+'(\*%"(&"6\* 15,. ' /""?. "\$%B.&'@+'\*<" I(, "&)N 1 (" '?. "\$%B.&'@+'(\*%"C.5\*<""\*""?."

O.<+<(%@U99(6.<" I(,,"6\*%7)6'"", (B."?. +<(%@/"+" I?(6?"?. 2" I(,,"5.<1 ("(%7(<.6""6\*&&:.4+1 (%+'(%% \*9"?'."5+<'(.&"+%7" I('%.&&.&a"L\* <"5)<5\*&.&"\*9"?'(&"G\*", (62/"'?. " .<1 "\$%7(<.6""0\*&&:34+1 (%+'(%% 1 .+%&"?. "O.<+<(%@U99(6.<" I(,,"+,\* I"?. "5+<'(.&"+%7g\* <"?. (<+7B(&\* <&"\*")N1 ("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+% ""' \* 9"?'."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).&'&"\*"'?. "0(B("C(@?'&"D">(',"\$E" 0\*\*<7(%+'\* <.<.,+ ".7""\*""?. "9\* <1+'\* <"?."%+<). "9""?. (<5+<'(6(5+'(%%"(%""?."?. +<(%@a">?. "0(B("C(@?'&" D">(',"\$E"0\*\*<7(%+'\* <" I(,,"I \* <Y" I('?"'?. "O.<+<(%@U99(6.<"\*"+66\*11 \*7+'."<.+&\*%+N,. "<.X).&'&a" H,,"?. +<(%@&" I(,,"\*66)<"B(+&B(7.\*6\*%9.<.%6(%@a"

>?. "0(B("C(@?'&"D">(',"\$E"0\*\*<7(%+'\* <" I(,,"&6?.7), . "+"?. +<(%@"7+'."+%7"('1."+%7"\*%'(92"?'." 5+<'(.&"\*9"?'."&+1 .a">?. "O.<+<(%@U99(6.<" I(,,"&<(B."\*?"\* ,7"+?." +<(%@" I('?(%""."%\ !R]N)&(% .&&"7+2&" 9<\*1 "<.6.(5""\*9"?'."\$%B.&'(@+'(%%"C.5\* <"+%7""?. "5+<'(.&"&"<. &5\*%&.&/"9"+%2a"

G<(\* <"\*""?."?. +<(%@/"\* </"+"""?." ,+ .&'/"\*%""?. "7+2"\*9"?'."?. +<(%@/"'?. "O.<+<(%@U99(6.<"\* <"+7.&(@+ '.7" O.<+<(%@"0\*\*<7(%+'\* <" I(,,"6\*%7)6'" "+5<.:?." +<(%@"1 . . '(%@" I('?"'?. "5+<'(.&"5<(\* <"\*6\*11 .%6(%@"'?. " ?." +<(%@a"H""?(&"5<.:?." +<(%@"1 . . '(%@" . +6?"5+<'2" I(,,"<.6.(B."+" .45,+%+ '(%%"\*9"?'."?. +<(%@"5<\*6.&& +%7"?+B."?" \*55\* <")%('2""\*+&Y+%2"X).&'(%%&a"\$9"?'."6\*15,+(%+%" "+%7g\* <.&5\*%7." ""?+B." . .6'.7" '\*"?+B." +7B(&\* <&"?'<\*)@?\*)""?'."?. +<(%@"5<\*6.&&/"'?. " +7B(&\* <"(&" .%6\*) <+@.7" '\*"+66\*15+%2"?'." 6\*15,+(%+%"g<. &5\*%7."%""\*""?(&"1 . . '(%@a"

>?. "6\*15,+(%+%" /" <. &5\*%7.% /" +%7"?'." O.<+<(%@" U99(6.<" +,,"?+B."?'." <(@?' '\*6+,," I('%.&&.&a" c ('%.&&.&"1 )&'""?+B." \*N&.<B.7""?. "6\*%7)6'"("X).&'(%%"\* <"?+B."(%9\* <1+'(%%"<.,. B+% ""' \*""?. "(%6(7.% " +%7"6+%%"N."6+,,.7"&\*, .,2""\* &5.+Y+N\*)""+"(%7(B(7)+,A&"6?+<+6'.<a"\$%@" .% .<+,"/%"\*5+<'2" I(,,"N." 5.<1 ("7""\*6+,,"+&"+" I('%.&&" +%2\*%." I?'\* I +&"\*""(' .<B(. I.7"N2""?. "\$%B.&'(@+'\* <"+&"5+<"\*9"?'." 0\* ,,. @.A&'(%B.&'(@+'(%%a"

>?. "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('%.&&" 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."+'"'?. "?. .+<(%@"%\*" ,+' .<"'?'+%"'?'<.. \S]N)&(%.&&"7+2&"N.9\*<."?'.'?. +<(%@"

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>?. " ? .+<(%@"(&"(%'.%7.7"'\* 5<\*B(7."+"9+(<" +%7" + 15,." \*55\*<')%('2"9\*<".+6?" &(7." '\*" 5<.&.%"'?' .(<"  
+66\*)% "'\*9"'?. "(%6(7.%'" +%7"9\*<"'?'." O.+<(%@"U99(6.<" '\*7.' .<1(%." '?. "9+6'&"\*9"'?. "6+&." +%7" 1+Y." +



**K??\$, @'>!9)!C':%'?'', +./!G\$:87-&'8, !8#!+!Q.'\$(+, %!\$8#!A8, B5'&7\$!; I!  
P':%8, @ - %&!KE+', :&!K@=' , ':&**

>?. " 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"'"

>?. " 0(B(," C(@?'&" D" >('," \$E" 0\*\*<7(%+'\*<" I(," 5<\*B(7." '?'." %\$'<B(. I " J) 1 1 +<(.&"+%7" +%2" 7\*6) 1 .% '+'<2" .B(7.%6." @+'?'<. 7" '\* " '?'." 5+<'(.&" 9\* <" <. B(. I a" ^ (B.% "'?'." &.%&'(B.% '+' )<." \*9" '?'." (%9\* < 1 +(\*% "5<\*B(7. 7/"'?'." 0(B(," C(@?'&" D" >('," \$E" 0\*\*<7(%+'\*<" I(," 5<\*B(7." '?'." (%9\* < 1 +(\*% "(%"+ &. 6)<." 1 +%%<." \. a@a/"N2"5<\*B(7(%@"7(@('+" 6\*5(.&"\*9"'?'." 1 +'. <(+,&"'?'<\*)@?'+"5<\*'. 6'. 7/"\_<.+7:\*%, 2`" I .N" 5\* <'+, ]a" 8. ('?'<" '?'." 6\* 1 5,+(%+% "'%\* <" '?'." <.&5\*%7.% "'\\* <" '?'." (<" +7B(&\* <&/' (%6,) 7(%@" N) "'%\*" , (1 ('. 7" '\* "9+ 1 (, 2" 1 . 1 N.<&" +%7g\* <," .@+, " 6\*) %&., ]" 1 +2" 6\*52/"<. 1 \*B. /" 5?\*' \* @+5?/" 5<(%'/' ( 1 +@. /"

9<\* 1 " '?. " \$%B.&'(@+'\*%a" U%6." '?. " \$%B.&'(@+'\*<" (&" &+'(&9(.7" '?+' " '?. " <.5\*<" (&" 6\* 15,. ' /" '?. " \$%B.&'(@+'\*<" I(,,"&)N1('"'?. "<.5\*<'""\*"'?. "0(B("C(@?'&"D">(',"\$E"0\*\*<7(%+'\*<a">?. "0(B("C(@?'&"D">(',"\$E"0\*\*<7(%+'\*<" I(,,"<.B(. I" '?. " <.5\*<" +%7" +&&.&&" I?. '?. "<" '?. " <.5\*<" 7. 1 \*%&'<+' .&/"N2"+ 5<.5\*%7.<+%6. "\*9"?. " .B(7.%6./"?'+'V"!]"?. " .B(7.%6. "&)55\*<'&"?. "\$%B.&'(@+'\*<A&"9+6')+,"9(%7(%@&i" +%7" \#]" '?. " \$%B.&'(@+'\*<A&" 9+6')+," 9(%7(%@&" &)55\*<" '?. " \$%B.&'(@+'\*<A&" ),'(1+'." 9(%7(%@ " \*9" <.&5\*%&(N,( '2"\*<"%\*%:<.&5\*%&(N,( '2a"

>?. " 0(B("C(@?'&" D">(',"\$E"0\*\*<7(%+'\*<" 1+2"<.X)(<." '?'+" '?. " \$%B.&'(@+'\*<" 6\*%7)6"+77('(\*%+," (%B.&'(@+'\*%/" 6\*%&(&' .%'" I('?' '?. " 5<\*6.7)<.&\*"'),(% .7"+N\*B.a"U%6. "'?. " 0(B("C(@?'&"D">(',"\$E"0\*\*<7(%+'\*<" ?+&" 6\*%9<1 .7" '?+' " '?. " L(%+," C.5\*<" (&" 6\* 15,. ' /" '?. " 0(B("C(@?'&" D">(',"\$E"



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

H7+5'+N, . "<.&\*,)'(\*%("+"B\*,)'%'+<2/'<. 1.7(&:N+&.7/'&'<6')<.7"(%'.<+6'(\*%N.'I..%\*"<"+1\*%@+99.6'.7"5+<'(&'?'+"N+,+%6.&)&55\*("<"+%7"+66\*)%'N(,'2" I ('?\*)'''+Y(%@"9\* <1+, "7(&6(5,(%<2'+6'(\*%"+@+(%&"'?'<.&5\*%7.%'a" H7+5'+N, . "<.&\*,)'(\*%("@"%<+,,2"7.&(@%'.7" '\*'+,, \* I " '?<.&5\*%7.%'" '\*"+6Y%\* I, .7@." ?+<1" +%7" +66.5'" <.&5\*%&N(,'2" 9\* <".5+<(%@" ?+<1" \ '\*" '?." .4'.%" 5\* &&(N, .]" .45.<(<.%6.7"N2"'?'."6\* 15,+(%+%'" +%7g\* <"?'."0\*,,.@."6\* 1 1 )%('2a"H7+5'+N, . "<.&\*,)'(\*%("&7.&(@%.7" '\*".,(1(%+'."?'."G<\*?N('7"0\*%7)6/'5<.B.%'"('&'<.6)<<. %6./'+%7"<. 1.72'(&".99.6'&'(%'+1+%%.<"?'+" 1..&'&'?'."%..7&"\*9" '?'."6\* 15,+(%+%'" I ?(,." 1+(%'+(%(@%" '?'."&+9.'2" \*9" '?'."6+15)&"6\* 1 1 )%('2a" H7+5'+N, . "<.&\*,)'(\*%("1+2"%\*%N.")&.7"(%"6+&. & I ?<."+%". 15,\*2..(&"+,,.@.7"'\*"?+B."6\* 1 1 ('.7" >('."\$E"J.4)+,"O+<+&&1.%"+@+(%&'+"&')7.%'a">?'."0\*,,.@." I (, "%\*'" 1+%7+'." 1.7(+(\*%'"\*%<.&\*,B." +,,.@+'(\*%&"\*9" &.4)+, "?+<+&&1.%'/' +%7" I (, "%\*'" +,, \* I " 1.7(+(\*%'" .B.%\*" \*%"+B\*,)'%'+<2" N+&(&' '\*<.&\*,B." +,,.@+'(\*%&"\*9" &.4)+, "B(\*, .%6.a"

>?. "0(B("C(@?'&"D">('."\$E"0\*\*<7(%+'\*%<.B(. I &"'?. " 1+''.<"\*"'?. ".4'.%'"%.6.&&<2"\*6\*%9(<1 "'?+' ("(&"\*9"?'."25."?'+' I \*),7"N."+55<\*5<(+'.9\* <"+%"+7+5'+N, . "<.&\*,)'(\*%5<\*6.&&"+%7"?'+'?)&."\*9"+%"+7+5'+N, . "<.&\*,)'(\*%5<\*6.&& I +&" I ('?\*)'" 5<.&&<." \* <" 6\* 1 5 ),&(\*%9<\* 1 " \*'?.<&a">?. "+7+5'+N, . "<.&\*,)'(\*%5'(\*%&"+B+(, +N, . )" %7.<"?'(&"G\*,(62"<.6\*%@(d.V"

f >?. "@\*+, "\*9"+7+5'+N, . "<.&\*,)'(\*%("&"\*"+77<.&&"'?. "G<\*?N('7"0\*%7)6/'(7.%'(92" I +2&"'?'+" (%7(B(7)+, &"+%7g\* <"?'."6\* 1 1 )%('2"?+B."N..%"?+<1.7/' +%7"7.B., \*5"+<.&\*,)'(\*%"+@<.. 1.%" '\*"+77<.&&"'?. "?+<1" +%7"5<.B.%'"9')<."G<\*?N('7"0\*%7)6'i"

f G+<'(6(5+'(\*%("&"B\*,)'%'+<2"+%7"N\*?'+"6\* 15,+(%+%'" +%7"+<.&5\*%7.%'/' +&" I ., "+&"+%2"\*'?.< 5+<'(6(5+'(%@"(%7(B(7)+, &/' 1 )&"6\*%&. %'"(" I <('@"\*5+<'(6(5+'(\*%(""+7+5'+N, . "<.&\*,)'(\*%i"

f >?. " I <('."%6\*%&.%" I (, (%9\* <1 "'?'."6\* 15,+(%+%'" +%7"?'<.&5\*%7.%'"?'+'."('?.<"6+%"<.X) .&" '\*".%7"+7+5'+N, . "<.&\*,)'(\*%"+%2"('1."+%7"5)<&).9\* <1+, <.&\*,)'(\*%a" c <('."%6\*%&.%" I (, "+, &\*"(9\* <1 "5+<'(&"'?'+"(%9\* <1 +'(\*%@"+'?.<.7"+%7"')<.(d.7"(%"+7+5'+N, . "<.&\*,)'(\*%N2"+%7" N.' I . %" '?'." 5+<'(&" 6+%" \*%'" N." )&.7" (%"+%2" '\*'?.<" 0\*,,.@." 5<\*6.&&/' (%6),7(%@" 9\* <1+, <.&\*,)'(\*%"/(9"+7+5'+N, . "<.&\*,)'(\*%".%7&"+%7"9\* <1+, <.&\*,)'(\*%N.@(%&"\*%<.&) 1 .&i"

f

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/&**

>?. "+7+5'+N, . "<.&\*,)')(\*% "\*5'(\*%&' I(, "N." %+N, . 7"N2"+<+(% .7"6\*\*<7(%+'\*<a">?. "+7+5'+N, . "<.&\*,)')(\*% " 6\*\*<7(%+'\*<1 )&' N." (1 5+<'(+, "+%7"9<.. "9<\*1 "N(+&"\*<6\*%9,(6""9"(%' .&'a"\$9"'?. "+7+5'+N, . "<.&\*,)')(\*% " 6\*\*<7(%+'\*<' ?+&' 6\*%6.<%&' '?+' "'? .2" 6+%\*%' "9+6,(+'+' . "+9+<' \*<' )%N(+&.7" 5<\*6.&&/" '?." +7+5'+N, . "<.&\*,)')(\*% "6\*\*<7(%+'\*<1 )&'<.5\* <'?'\*&." 6\*%6.<%&' '\*"'?. "0(B("C(@?'&"D">(', . "\$E"0\*\*<7(%+'\*<+%7" + "7(99.<.% "' +7+5'+N, . "<.&\*,)')(\*% " 6\*\*<7(%+'\*<' I(, " N." +&&(@% .7a" J(1(+<2/" + "6\* 15,+(%+% '/' + "<.&5\*%7.% '/' \*<' +%2" \*'?'<' 5+<'(6(5+% "' I ?\* " ?+&" 6\*%6.<%&' '?+' "'? ." +&&(@% .7" +7+5'+N, . "<.&\*,)')(\*% " 6\*\*<7(%+'\*<6+%\*%' . %+N, . "+9+<' +%7" )%N(+&.7" 5<\*6.&&/" 1+2"<.5\* <'?'\*&." 6\*%6.<%&' '\*"'?. "0(B(" C(@?'&"D">(', . "\$E"0\*\*<7(%+'\*<' I ?\* " I(, "+&&.&&"?' .6<6) 1&'+%6.&"+%7"7.' .<1(% . "I ?.'?'<+"7(99.<.% "' +7+5'+N, . "<.&\*,)')(\*% "6\*\*<7(%+'\*<&'?),7"N." +&&(@% .7"'\*"'?. "+7+5'+N, . "<.&\*,)')(\*% "5<\*6.&&a"

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

f >?. "+,., @+'(\*%&i"

f >?. "<.X)<. 1 .%'&"\*9"'?. "+7+5'+N, . "<.&\*,)')(\*% "5<\*6.&&/"(%6,)7(%@"'?." 6<6) 1&'+%6.&")%7.<' I?(6?" ("5<.6,)7.&'?' .5+<'(.&"9<\*1 "<.&) 1(%@"+"9\* <1 +, "6\* 15,+("%'+<(&%"9<\*1 "'?' .&+1 ." +,., @+'(\*%&7.&6@0.2(+ )0.(')0.491 .626 - 441 Tm/BT5000.2(&)0.2(?.)0.2(")JTJETQq0.24002(")I/

" 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" + " OUH" (&' '\* 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" >?." OUH" 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.<#,:%&k ;%/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\*%&.%&)&'&' \*('&' .<1 &/'?' .<.&5\*%7.%'" I(,," N.<.X)<."7"'\*% 6\* 15,2" I ('?"?' ."+@<.. 1 .%' a" \$9" %\*"  
+@<.. 1 .%" (&'<.+6? .7"'?' . " 1+' .<1 +2"N."<.9.<<.7"'\*'"?' .0(B(," C(@?'&' D" >(' .," \$E" 0\*%<7(%+'\*<' 9\* <"  
9)'<'<'+6'(%%a"U%6."?' .0(B(," C(@?'&' D" >(' .," \$E" 0\*%<7(%+'\*<' +55<\*B.&' +%" +@<.. 1 .%' /'?' .5+<(.&"  
<."N\*)%7"N2"('&' .<1 &"+%7"6+%\*'"<.)<%"\*"; (&6(5,(%+<2' C.&\*,)'(%%a"

>\*9+<(,2"&&.&&5+' .<%"\*<&2&' .1 (6"N. ?+B(\*<'?"' .0(B(," C(@?'&' D" >(' .," \$E" 0\*%<7(%+'\*<' I(,," 1 +(%'+(%"  
<.6\*%<7&"\*9"+, "<.5\*%<'&"+%7"6\*%7)6'"<.9.<<.7"9\* <"+7+5'+N, .<.&\*,)'(%%a">?' ."(1 .9<+ 1 .9\*%<6\* 15, .(%%"  
\*9"+7+5'+N, .<.&\*,)'(%%" 1+2"B+<2"N)"'"?' . " 0\*,,.@" . I(,," &.. Y"'\*'"(%'(+'. "+6'(%%" I ('?%(9(9' .%)"!F]"  
N)&(&.&7+2&"\*9"'?' .(%'(+, +&&.&& 1 .%' a" c ?(, ."'?' .0\*,,.@" . I(,," &.. Y"'\*'"\*%\*%<"6\*%9(7.%'+, ('2"\*9"'?' ."  
5+<(.&A"6\* 1 1)%(6+'(%%&' I ('?"?' .9+6,(+'\*<'7)<(@'"?' ."+7+5'+N, .<.&\*,)'(%%"5<\*6.&&"\*'"?' . " .4'.%" "

% .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"

**I 7, <# , : \$%& ; % 0 %7"/&3.&' 1#%.C% 1#"31/&>3.&#9%&B3\$\$%F%&B3 0 0 +1"#@&**

**K??\$, @'>'!)M& - @\$, &!M+, %&'8, ', E!J.8%\$@ - .\$.!**

\$9"+<.5\*<'5<\*6..7&'?'<\*)@?' ; (&6(5,(%+<2"C.&\*,)')(%%+%7"'?'."<.&5\*%7.%'"(&"9\*)%7"<.&5\*%&(N,."9\*< \*%."\*<"1\*<."B(\*,+('(%&"\*9"'?'."0\*,,.@.A&"+'(7(&6<(1(%+'(%\*"5\*(6(.&/'?'."0\*,,.@."I(,,"(&&)."&+%6'(%%&" 6\*11.%&)<+'. "I('?'?'."B(\*,+('(%\&]a">?'."0(B,("C(@?'&"D">(',"\$E"0\*\*<7(%+'\*<"I(,,"7.&(@%+'."?'<.." '<+(% .7"(%7(B(7)+,&"\*"&.<B."\*%"+'?'<..:5.<&\*%5+%,,"\\_C.B(. I"G+%.,`]"\*7.'.<1(%."&+%6'(%%&a">?'." 0(B,("C(@?'&"D">(',"\$E"0\*\*<7(%+'\*<"I(,,"%\*'92"'?'."5+<'(.&/'(%"I<('(%@/'\*9"'?'."%+1."\*9"'?'."7.&(@%+'."7" C.B(. I"G+%.,(&'&"+',.+&"9(B.\F]N)&(%.&&"7+2&"5<(\*<"\*"'?'."?'+<(%@a">?'."5+<'(.&"I(,,"?+B."\*?'<.."S]N)&(%.&&"7+2&"\*Nb.6""\*"+%2"C.B(. I"G+%.,(&'\*%"'?'."N+&(&"\*9'+6')+,"N(+&"\*<"6\*%9,(6""\*9'(%'<.&'a"\$9"+%2"5+<'2"\*Nb.6"/'?'."0(B,("C(@?'&"D">(',"\$E"0\*\*<7(%+'\*<"I(,,".B+,)+'. "I?'.'?'<'?'."\*Nb.6'(%%('& &)N&'+'(+'.7a">?'."0(B,("C(@?'&"D">(',"\$E"0\*\*<7(%+'\*<"I(,,"<.1\*B."+%7"<.5,+6."+%2"C.B(. I"

+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.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\*<"<. +71 (&&(%%" 1+2" N." &5.6(9(.7" (%" '?. "&)&5. %&(%\*"%'(6.a"

\_\_\_\_\_ "G.<1+% .% "' .<1 (%+'(%\*"9"&')7. % "'&'+')&"+%7".46,) &(%%"9<\* 1 "0\*,, .@ . "5<. 1 (&.&/' 5<(B(. @.&/'+"%7" +6'(B('(&a" >?(&" +6'(%%" I (, "N."5.<1+% . %',2"<.6\*<7.7"\*%"'?' . "&')7. %'A&" +6+7. 1 (6" '<+%&6<5'a"

\_\_\_\_\_ "H71 (&&(%%" '\*/" \*<"+7. @<. . "+I +<7.7" N2/" '?. " 0\*,, .@ . " 1+2"N."<.B\*Y.7"9\*<"9<+)7/" 1 (&<.5<.&.%'+'(%\*"("N'+(%@"'?' . "7. @<. . " \*<"B(\*,+ '(%" \*9"0\*,, .@ . "5\*,(6.&/'?' . "J')7. % "'0\*7. "9"0\*%7)6""\*<"9\*<"\*?' . <"&.<(\*)&"B(\*,+ '(%"&"6\* 1 1 ('.7" N2+"&')7. % "'5<(\*<"\*".%<\*, 1 .% "'\*<"@<+7)+'(%%a"

\_\_\_\_\_ ">?. "0\*,, .@ . " 1+2" I ('??\*,7"+I +<7(%@"+7. @<. . " \*?' .<I (&." +<%.7")% '(, " '?."6\*15, . '(%"\*9"?' . "5<\*6.&&"&. "'9\*<'?' (%"-4<%.7" (402(7")0.2(()2") - 120.9(-165.(-')(7")0.2(()2)







'<).'?'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.&/"(%"+&&.&&(%@"'?. " +55<\*5<(+'. "&+%6'(%%a"

>?. " O. +<(%@" 0\* 1 1 ('. . A&<.B( I ("&"7\*6) 1 .%' +<2"\*% ,2" +%7"%\*"? . +<(%@" (&"? . ,7a"L\* , \* I (%@" &' +%7+<7" 5<+6'(6. /" '?. " 0(B(," C(@?'&" D">(' . "\$E" 0\*\*<7(%+'\*%< I (," N. " +B+(, +N, . "'?<\*) @?\*" " 7. ,(N.<+'(%%&"\*"+77<.&&"X) .&'(%%&" +N\*)"'?' . " J.4)+,"+%7"\$%'.<5.<&\*%+," Q(&6\*%7)6"G\*(62" +%7" < . , +'.7" 5<\*6.7) <.&a" H%2" 7.6(&(%%" \*" I +<%/ " <.5<(1+%7/" \*%<7(&1 (&" + "9+6), '2" 1 . 1 N. < <.X) (<.&" + ' I \* : '? (<7&" 1 +b\* <('2"\*9" '?. " 1 . 1 N. <&" 6\*%7)6'(%@"'?. " ? . +<(%@" /" '?. " B\*'. " (%" . +6? (%&' +%6. "'\*N. " +Y. %" N2"&.6<. " N+ , , \*'a\* % 7 ) 6

**K??\$, @'>!Q)!K??\$+7!J.8%\$@ - .\$.!**

H55.+,&"\*9"? .+<(%@"\*("<(%B.&'@+'(B.\*)'6\* 1 .&" 1+2"N."9(. .7"N2" .('?.<"5+<'2a"H55.+,&" 1 )&"N."&.%'" '\*"'? ." 0(B("C(@?'&"D">('."\$E" 0\*\*<7(%+'\*("< I('?(%"9(B." \F]"N)&(% .&&"7+2&"\*9"<.6.(5""\*9"'?. "L(%+," C.5\*<'a" c ?.%"+%" +55.+,"&"9(. .7/"'?. ".\*'?.<"5+<'2" I(,"N."%\*(9(.7/"(%" I<('(%@/" +7"'?.%"+B."9(B." \F]" N)&(% .&&"7+2&"\*("<. &5\*%7""\*"'? ." +55.+,"a"H%2"5+<'2A&"7.6(&(\*% "%\*""\*""&)"N 1 ("+"<.5,2""\*"+%" +55.+,"(& %\*"' .B(7.%6."?'+'"'?. "%\*%":+55.+,(%@"5+<'2"+@<.7" I('?'? ." +55.+,"a"

>?. "+55.+,&"5<\*6.&&("&"7\*6) 1 .%'<2"\*%,2"/+%7"%\*"? .+<(%@"(&"? .,7a"3('?.<"5+<'2" 1+2"9(. ."+%" +55.+," \*9V"!]" +7. '.< 1 (%+'(\*%<. @+<7(%@"<. &5\*%&(N(,'2i+%7g\*<"#]"'?. "0(B("C(@?'&"D">('."\$E" 0\*\*<7(%+'\*("<A&" 7(& 1 (&&+, "\*9"+"9\*< 1 +,"6\* 15,+("%"\*<"+%2"+,,. @+'(\*%&"?'<.(%"9<\* 1 "'? ." >('."\$E" J.4)+,"O+<+&& 1 .%" 5<\*6.&&"+&"\*') ,(% .7"(% "L\* < 1 +,"O\* 15,+("%'&"/ ; (& 1 (&&+,&"+%7"H55.+,&"\*9" ; (& 1 (&&+,&"/"\*%""? ."9\* ,,\* I (%@" @<\*) %7&V""

f G<\*6.7)<+,"(<<. @),+<('2"'?+" +99.6'.7"'?. "\*)'6\* 1 ."\*9"'?. " 1+''.<i"

f 8. I".B(7.%6."?'+' I +&"%\*" "<. +&"%+N,2"+B(+, +N, . "+'"?' . "( 1 ."'?. "7. '.< 1 (%+'(\*%<. @+<7(%@"