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9G LC'(PC9@='IIS,.(&C'(J,\$5\$7&.(&C'([6='(PC9@='IIS,7.(&C'(<'9@7.(9@#(&C'(#6,'=&\$,7(\$M(\*9\\$,9#\*6@67&,9&65'('#?=@9&6\$@9I.(,'7'9,=C(9@#(%?+I6=(7',56='7(9=&656&6'7.(7%'=6M6=9II:(&C'(PC6'M(\$M())&9MM.(&C'('&CI'&6=(<6,'=&\$,.(&C'(PC6'M(J@M\$,\*9&6\$@(^MM6=',(9@#(&C'(H'@',9I(P\$?@7'I(9,'(&C'(Q@65',76&:\_7(L6',(J( ) )'@6\$,('=9#' \*6=(9@#(' \*#6@67&,9&65'(^MM6='7(!T)" " ^7U3G(O6&C(&C'('V='%&6\$@(\$M(&C'(PC9@='IIS,.(&C'9%%\$6@&\* '@&7(\$M(L6',(J() " " ^7(9,'7?+\ '=&(&\$(&C'9%%,\$59I(\$M(&C'(N\$9,#G(LC'(\$@&6@?9@='(6@(\$MM6='(\$M(L6',(J() " " ^7(7C9II(+ '#&'&',\*6@'#(+:(&C'(PC9@='IIS,G((  
+G LC'(N\$9,#(7C9II(9%%\$6@&(9@#(M6V(&C'(\$ \*% '@79&6\$@(M\$, (M9=?I&:(9K9,#'#(&C'(#'76F@9&6\$@(\$M(<67&6@F?67C'#(J,\$M'77\$,76(

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9G LC'(N\$9,#(\*9:(9#\$\$%&%' ,7\$@@'I%\$I6=6'7(@&\$(&\$&C',K67'(%,'7=,6+'#(+:(9@#(@&\$(&6@=\$@767&'@&(K6&C())&9&'(I9K.(LC'(P\$#'\$.(\$,(QSP(J\$I6=: (89@?9IM\$,('% ,7\$@@'I(6@9II(=9&'F\$,6'7(\$M(Q@65',76&:( '\*%I\$: \*'@&&((((

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9G LC'(N\$9,#(7C9II(+ '(,'7%\$@76+I'(M\$,(' @7?,6@F(&C'(Q@65',76&:\_7(=\$ \*%I69@='(K6&C(&C'('#?=@9&6\$@9I.(,'7'9,=C.(9@#(%?+I6=(7',56='(\$I'7(9776F@'#(&\$6&(+:(LC'(N\$9,#(\$M(H\$5',@\$,\$7.( '6&C',(+:( 'V%, '77(#6,'=&65'(\$,(+:(%,\$ \*?IF9&'#(I\$@FY,9@F'(%I9@7(\$M(LC'(N\$9,#(\$M(H\$5',@\$,\$7G(

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-G( `\$@\$,\$9,:(<'F,'7.( "K9,#7.(9@#(<67&6@=&6\$@7(

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9G LC'(N\$9,#(7C9II(+ '(,'7%\$@76+I'(M\$,9%%,\$56@F(&C'(@9\*'7(\$M9II(6@#656#?9I7(\$@ ( KCS\*(6&(67(%,\$%\$7'#(&C9&(9@/CS@\$,\$9,:(#F,' '\$,(\$&C',CS@\$,\$9,:(,\$(\*'\*\$,69I( #67&6@=&6\$@(+ '(=\$@M',,'#(+:(&C'(6@7&6&?&6\$@G(

(  
+G (LC'(L,?7&'7\_("K9,#(67('7&9+I67C'#(&\$,('\$F@6a'(6@#656#?9I7(M\$,('V'\*%I9,:(7',56='(&\$(\$,(7?%\$,&(\$M(&C'(Q@65',76&:G((" @:(&,?7&' '( \*9:(,'=\$ \* \* '@#(%\$&'@&69I( ,'=6%6 '@&7( &\$(&C'(' \*#6@67&,9&6\$@.(H\$5',@9@='(9@#(L,?7&'7C6%(P\$ \* \*6&&' '(M\$,(\$@76#',9&6\$@9@#(,'=\$ \* \* '@#9&6\$@(&\$(&C'(N\$9,#G(

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 ( 96( LC'(N\$9,#(7C9II(9#567'(&C'(PC9@='IIS,(K6&C(','7%'=k(&\$(&C'(#'5'IS% \* '@&(\$M(  
 ( +?#F'&('7&6 \* 9&'7(9@#(K6&C(','7%'=k(&\$(&C'('V'=?&6\$@(9@#(9#\* 6@67&.9&6\$@(\$M&C'(  
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( 96( LC'(N\$9,#( 7C9II( +' ( , '7%\$@76+I'(M\$, (&C'(%,'7',59k6\$@.( \*96@k'@9@='.(9@#( (

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( 9G( LC'(N$9,#(7C9II(C95 '(9@#('V',=67 '(9?&C$,6&:(M$,(&C'('F?I9&6$@($M(&,9MM6=(9@#(
( %9,g6@F(9@#(M$,(&C'('F67&,9&6$@($M(* $&$,(5 'C6=I'7($%' ,9&#($@(&C' (=9 *% ?7G((
( XHG)G(// ;G22GE(' &(7'WZ((LC'(PC9@='IIS,(7C9II(+ '(,'7%$@76+I'(&$(&C'(N$9,#(M$,
( '@M$,=' * '@&($M(9II(7?=C(&,9MM6=(,'F?I9&6$@7G((
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( /EG(( " ?V6I69,:(e@&','% ,67'7.(Q&6I6&6'7.(9@#( 8 67='II9@'$?7(f9=6I6&6'7(
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( 9G( LC'(N$9,#(7C9II(C95 '(9?&C$,6&:(9@#('7%$@76+6I6&:(M$,(&C'(9#%$&6$@($M(%$I6=6'7(
( 9%$I6=9+I'(&$(&C' (= $@&,$I(9@#(7?'% ',5676$@($M(=9 *% ?7('I'=&,6=(%K',(%I9@&7(9@#(
( K9&',(9@#(7'K',(7:7&' *7.($&C',(?&6I6&6'7(9@#(M9=6I6&6'7(XHG)G(// ;YE-ZG(
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( /2G( I@M$, * 9&6$@ (L'=C@$ISF:(
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( 9G((LC'(N$9,#(7C9II('7&9+I67C(' @&','% ,67'(%$I6=6'7(9@#(,'?I'7(F$5',@6@F(&C'(%I9@&6@F.(
( 9=W?676&6$@.(6 *%I' * '@&9&6$@.(9@#( #'I65',:( $M(6@M$, * 9&6$@(& '&=C@$ISF:(9@#(
( &'I'=$ * * ?@6=9&6$@7(9&(&C'(Q@65',76&:.(KC6=C(7C9II(%,$56#'(M$,(&C'(M$II$K6@Fb(
( 7'=? ,6&:(9@#(' @=, :%&6$@7(7&9@#9,#7c(7$M&K9,'(7&9@#9,#7c(C9,#K9,'(7&9@#9,#7c(
( 9=W?676&6$@($M(6@M$, * 9&6$@(& '&=C@$ISF:( = $@7?I&6@F(9@#( = $@&,9= &(7',56= '7c(
( #6797&',(,'=$5',:(7&9@#9,#7c(7&9@#9,#7(M$, (#'7g&$%(9@#(7',5',(= $ *% ?&6@F.(
( &'I'=$ * * ?@6=9&6$@.( '@&K$,g6@F.(56#'$ (7',56= '7.(% ',7$@9I(#6F6&9I(97767&9@&7.(
( 9@#($&C',(K6,'I'77(&'=C@$ISF6'7c(9@#.( $&C',(6@M$, * 9&6$@(& '&=C@$ISF:( * 9&6',7(
( &C9&(9,' @'='779,:(9@#(9%%,$%,69&' (&$ (M?IM6II(&C'(&'9=C6@F.( '#?=9&6$@9I.(
( , '7'9,=C.( 'V&'@76$@.(9@#(7',56= '( * 6776$@7($M(&C'(Q@65',76&:G((LC'(N$9,#(7C9II(
( 7?+ * 6&(7?=C(%$I6=6'7(M$,9%%,$59I(97('W?6,'#(+:(HG)G(// ;Y2DGAA.(9@#(7C9II(
( %',6$#6=9II:(,'%$,&($@(&C'7'(* 9&6',7.(9 * $@F($&C',7.(97('W?6,'#(+:(HG)G(// ;Y
( 2DGAEG(
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( 9G( LC'( N$9,#( * 9:( 9#567'(&C' ( PC9@='IIS,( 9@#( '7&9+I67C( %$I6=6'7( @ $&(
( 6@=$@767&'@&(K6&C(%$I6=6'7('7&9+I67C' #(+:(&C'(N$9,#($M(H$5',@$ ,7(=$@=' ,@6@F(
( &C'(Q@65',76&:_7(6@&',=$II'F69&'(9&CI'&6=7(%,$F,9 * (9@#(6@9==$,#9@='(K6&C(&C' (
( , 'W?6,' * '@&7($M(&C'(S9&6$@9I(P$II'F69&'(' &CI'&6= (" 77$=69&6$@(!SP " " 3(9@#(&C' (
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 ( 9G( LC'(N\$9,#7C9II(C95'(7?-C(\$&C',(%\$K',7(9@#/#?&6'7(@\$&6@=\$@767&'@&(K6&C(LC'(  
 ( P\$#('\$,(K6&C(9%%I6=9+I'(%,\$5676\$@7(\$M())&9&'(I9K.(97(7C9II(+)'(#'M6@'#(9@#(  
 ( #'I'F9&'#(+:(&C'(N\$9,#(\$M(H\$5',@\$7(XHG)G(//;YEE(9@#(//;Y//!/23ZG(  
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/G( ]@7\$M9,(97(% ,9=6=9L.&C'(PC9@='II\$,(7C9II(#'5'I\$%(&C'(9F'@#9(M\$, (N\$9,#(\*''&6@F7(  
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AG JM(&C'(NS9,#(=\$@#?=&7(9(\*''&6@F(+:(56#'\$(\$,\$&I'%C\$@'(\$@M', '@='(\$,(9@:(&C',('I'=k,\$@6=( \$ \* \* ?@6=9&6\$@(#'56='.(6&(7C9II(%,\$56#'9(I\$=9&6\$@9@#(\*'9@7(KC', '+:( \* ' \* +',7(\$M(&C'(%?+I6=( \* 9:(I67k'@(&\$(&C'(\*''&6@F.(9@#(&C'(@\$&6='(\$M(&C'(\*''&6@F(7C9II(7%'=6M:(&C9&(I\$=9&6\$@G(

**6 " 9A@5 ; (B**  
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**8#\*I%DG(AG(**

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NG( "@:( \* ' \* +', (7\$('W?'7&6@F(7C9II(C95'(C67hC',(5\$&'('=\$,#'#(6@(&C'(\*6@?&'7(9@#.( \$@('W?'7&(\$M(9@:( \* ' \* +',.(&C'(\$5\$&'(M\$,('9=C(\*' \* +',(7C9II(+)', '\$=\$,#'#G(

PG( "(W?\$, ? \* (M\$, (&C'(&,9@79=&6\$@(\$M(+?76@'77(7C9II(=\$@767&(\$M(9(\*9\$,6&:(\$M(&C'(\*' \* +',7(\$M(&C'(NS9,#G(

<G( " II(9=&6\$@7(\$M(&C'(NS9,#(7C9II(+)'&9g'@(+:(9(\*9\$,6&:(5\$&'.(9(W?\$, ? \* (+ '6@F(%,'7'@&G(

**6 " 9A@5 ; (BA**  
**@D+ + %II##&(DJ(IK#(2DF- '(**

**8#\*I%DG(AG(**

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56=' (=C9





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!663( ( LC'(\$@&,\$I(\$M(&C'('I'=&,6=9I(#67k,6+?k6\$@(7:7k' \* .(K9k',(9@#(7'K',( 7:7k' \* 7.(9@#(\$&C',(9?V6I69,:(M9=6I6k6'7.(%?,7?9@&(&\$(%,\$5676\$@7(\$M( )&9k'(I9K(9@#(%\$I6=6'7(\$M(&C'(\$N\$9,#(\$M(H\$5',@\$ ,7c(9@#((

!6663( ( LC'(# '5 'I\$% \* '@&(\$M(%\$I6=6'7(9@#(, 'F?I9&k6\$@7(=\$@=' ,@6@F(%9,g6@F.( &,9MM6=(.5'C6=I'('F67k,9k6\$@.(9@#(=9 \* % ?7(7'=? ,6k : 6(

!653( ( J@M\$, \* 9k6\$@(&'=C@\$I\$F:(%,\$F,9\*(9k(O'



