

!"# \$%&'()*+,-./:;<=>?@A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\] ^ _ ` { | } ~

\$%&'()*+,-./:;<=>?@A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\] ^ _ ` { | } ~

*+,-./01-2/31045./6/31045./75-*8-29./6/1:; *+:-3./</.4=>:./128/>+3>+1:-=2/6/. = :71**/ -
\$%&'()*+,-./:;<=>?@A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\] ^ _ ` { | } ~

4 = * - 3 + / 6 / \$ D % % / 3 1 2 2 1 7 - . / 3 = 2 : > = * / 1 3 : / 6 / \$ D D % / 3 1 2 : 3 * = . + 8

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U&\$&'()*+,-./:;<=>?@A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\] ^ _ ` { | } ~

4 = * - 3 + / 6 / ' D % % / 8 - . = > 8 + > * V / 3 = 2 8 5 3 : / 6 / ' D ' W / ; 1 > 1 . 3 * = . + 8

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\$%&'()*+,-./:;<=>?@A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\] ^ _ ` { | } ~

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C&)%&'()*+,-./:;<=>?@A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\] ^ _ ` { | } ~

4 = * - 3 + / 6 / \$ % % / 3 > - 0 - 2 1 * / 8 1 0 1 9 + / 1 2 8 / : > + . 4 1 . . / 6 / 3 * = . + 8

1/U%/LO?!"KA/#?KO/G"!#O!M(HAO@(/SF"/F?A/I!O\J"HM/L/POO@/!OM(!JE(OA/G!"#E?#IHM/S?M/MOO@/J@/*"/(OOR/*548/=GGJEO!M/MHIIKJOA/?/E"IL"/G/(FO/@"(JEO/"G/]@"/(!OMI?MM^]/?@A/AJ!OE(OA/FJ#/"G/E?#IHMR

\$%&'()*+,-./:;<=>?@A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\] ^ _ ` { | } ~

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\$%&'()*+,-./:;<=>?@A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\] ^ _ ` { | } ~

4 = * - 3 + / 6 / B \$ % % / . + > Z - 3 + / = : ; + > / 1 9 + 2 3 V / 6 / B \$ \$) / 3 - : V 3 * = . + 8

4 = * - 3 + / 6 / B % % / 4 5 7 * - 3 / 3 = 0 4 * 1 - 2 : / 6 / B \$ W / 1 * 1 > 0 / X - : 3 * = . + 8

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*+,-./01-2/31045./6/31045./75-*8-29./6/>+.-8+23+;/1**./6/0=:;+>/+>+.1/;1**/6/0:<%\$W/;
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4 = * - 3 + / 6 / B U % % / 0 + 2 : 1 * / ; + 1 * : ; / 6 / B U % % / : > 1 2 . 4 = > : 1 3 * = . + 8

4 = * - 3 + / 6 / B D % % / 8 + 4 1 > : 0 + 2 : 1 * / . + > Z - 3 + . & 1 3 : - Z - : - + 3 * = . + 8

1/)/LO?!"KA/#?KO/IOMJAO@(M(HAO@(/S?M(!?MI"!/OA/\J/??#PHK?@EO/(("/FO/F"MIJ(?K/G"!/!O?(#O@(/"G/?K"EF"KJM#R

\$%&'()*+,-./:;<=>?@A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\] ^ _ ` { | } ~

+,-./01-2/31045./6/31045./41>`-29/=:./6/*=:9/</3=005: +>iZ-.-: => .
\$%&'()*+,-./:;<=>?@A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\] ^ _ ` { | } ~

4 = * - 3 + / 6 / ' [% % / 0 = : = > / Z + ; - 3 * + / 6 / ' [[U / ; - : / 1 2 8 / > 5 2 3 * = . + 8

4 = * - 3 + / 6 / B B U % % / 1 3 3 - 8 + 2 : / 6 / B B U) / 2 = / - 2 T 5 > V 3 * = . + 8

1/#?KO/E"#H(O!M(HAO@(/E"KJAOA/SJ(F/?@"(FO/\OFJEI/O/J@/*"/(9/?A/KOG/(FO/MEO@OR/"K"SI@Q/?@J@\OM(JQ?(J"@/*548/
"GGJEO!M/SO!O/?P/O/(/JAO@(G/L/(FO/"GGO@AO!R/2"/E!J#J@/?/EF?!QOM/SO!O/G,JOAR

$$4 = \frac{-3 + \sqrt{B}}{457} - \frac{3}{3} = 0.4 \cdot 1 - 2 : \sqrt{B} \Big) \Big/ . 5 . 4 - 3 = \sqrt{3^*} = . + 8$$

1/GO# ?KO/M(?G/#O#PO!/IOI"!(OA/GJ@AJ@Q/?MHMIJEJ"HM/@"(O/"@/FOI/\OFJEIO R/ : FO/@"(O<S!.(O!S?MMHPModHO@(K/L/JAO@(JGJOA/
?@A/" /O\JAO@EO/"G/EI#J@?W?E(\L/S?M/AO\OK" IOAR

\$%&D&'%'%'')

$$* + , - . / 0 1 - 2 / 3 1 0 4 5 . / 6 / 3 1 0 4 5 . / 7 5 - * 8 - 2 9 . / 6 / > + . - 8 + 2 3 + / ; 1 * * . / 6 / . = 5 : ; / ; 1 * * / 6 / . ; < [\$ [$$

\$%&D&'%'%'') ?@A \$%&D&'%'%'') [%

$$4 = \frac{-3 + \sqrt{D}}{312217} - \frac{3}{3} = 2 : > = * / 13 : \sqrt{D} \$ [/ 4 = . 3^* = . + 8$$

1@/\$D/LO?!/"KA/GO# ?KO/IOMJAO@(M(HAO@(/S?M/G"H@A/("/PO/J@/I"MMOMMJ"@/"G/E?@@?PJMR/>O:O!OIA/("/M(HAO@(/E"@AHE(R

\$%&\$'&'%'%'\$% ' B

$$* + , - . / = / 3 1 0 4 5 . / 6 / = : ; + > / 6 / = / 3 1 0 4 5 . / < / = : ; + >$$

\$%&\$'&'%'%'\$% % ?@A \$%&\$'&'%'%'\$%)

$$4 = \frac{-3 + \sqrt{B}}{457} - \frac{3}{3} + > Z - 3 + \sqrt{B} ' U ' / 3 ; + 3 ` / = > / 3^* = . + 8$$

$$4 = \frac{-3 + \sqrt{BU}}{0 + 2 : 1^* / ; + 1^* : ; / BU \$ % / : > 12 . 4 = > : 1 3^* = . + 8$$

* 5/E"H@MOKJ@Q/M(?G!/OdHOM(OA/*548/?MMJM(/SJ(F/?M(HAO@(/J@/E!JMMJ?(/?F"(O/VJ@/T"KJO(R/T"KJO(/I"KJEO/?@A/GJ!O/IOMI"@AOA/
?@A/(!/?@MI"! (OA/(FO/M(HAO@(/(/(FO/F"MIJ(?R

$$* + , - . / 0 1 - 2 / B 1 0 4 5 . / 6 / 3 1 0 4 5 . / 7 5 - * 8 - 2 9 . / 6 / 1 3 1 8 + 0 - 3 / 7 5 - * 8 - 2 9 . / 1 2 8 / = - 3 + . / 6 / * + 1 > 2 - 2 9 / > + . =$$

*+ , -./01-2/31045 ./#/ =5:8==>

\$%&\$C&'%'%/\$' \$B

*+ , -. /01-2/31045 ./6/31045 ./75-*8-29 ./6/1318+0-3/75-*8-29 ./128/= -3+ ./6/7T9/ . : 58+2 : /3
\$%&\$B&'%'%/\$' %%% ?@A \$%&'%'%'%'%/\$' \$B

4 = *-3+6/6%D%%/ : ; + : /6/%D'U/ : ; + : /cU%%/128/528+> 3* = .+8

1/IK?LM(?J"@/\JAO"/Q?#O/MLM(O#/S?M/M("KO@/G!"#/(FO/9?GG@OL/3O@O!R

\$%&\$C&'%'%/\$')%B

*+ , -. / = /31045 ./6/= : ; +>/6/= /31045 ./</= : ; +>
\$%&\$W&'%'%/\$'[U ?@A \$%&\$C&'%'%/\$\$\$[

4 = *-3+6/B)%%/457*-3/3 = 04*1-2 : /6/B)) [/ . 5 . 4-3- = ! 3* = .+8

1/#?KO/E"##H(O!M(HAO@(/!OEO\OA/?/MHMIJEJ"HM/O#?J/G!"#/?/KOSJMHROAH/?EE"H@R

\$%&\$C&'%'%/\$' ['U

*+ , -. /01-2/31045 ./6/31045 ./75-*8-29 ./6/1 : ; *+ : -3 ./< . 4 => : ./128/>+3>+1 : - = 2/6/ . = : 71**/ -
\$%&\$B&'%'%/\$'U% ?@A \$%&\$C&'%'%/\$' ['U

4 = *-3+6/\$D%%/312217- ./3 = 2 : > = * / 13 : /6/\$DD%/312 : 3* = .+8

=GGJEO!M!OMI"@AOA("/?/IOI"!(/"G/?@/"A!"/"G/E?@?PJM/G!"#/?/(?MF/E?@R/2"E"@(!?P?@A/S?M/K"E?(OAR

\$%&\$C&'%'%'/'')B

*+ , -. /01-2/31045 ./6/31045 ./75-*8-29 ./6/>+ . -8+23+ / ; 1** ./6/8 => = : ; V/81V/ ; 1**
\$%&'%'%'%'/'')% ?@A \$%&'%'%'%'/'')W

4 = *-3+6/BW' %/ . 5-3-8+ / 1 : : +04 : /6/BW' [/7V/8 > 59 . 3* = .+8

4 = *-3+6/BD%%/8+41 > : 0+2 : 1* / . +>Z-3+ . &13 : -Z- : -+ 3* = .+8

1/\$C/LO?!<"KA/#?KO/IOMJAO@(/M(HAO@(/S?M(!?@MI"!OA\J/??#PHK?@EO("/(FO/F"MIJ(?/?G(O!/?((O#I(J@Q/MHJEJAO/PLJ@QOM(J@Q/
I!OME!J(IJ"@/#OAJE?(J"@R

\$%&'%'%'%'%/\$\$%%

*+ , -. /01-2/31045 ./6/31045 ./75-*8-29 ./6/1318+0-3/75-*8-29 ./128/= -3+ ./6/8+/*1/ . 1**+ /3+
\$%&'%'%'%'%/\$C\$?@A \$%&'%'%'%'%/\$C[U

30@(!/?E?# IHM/I "SO!/ "H(QO/E?HMOA/#HK(JIKO/GJ!O/?K?!#M/("/?E(J\?(O/MJ#HK(?@O"HMKLR

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*+ , -. /01-2/31045 . /6/31045 . /75-*8-29 . /6/1318+0-3/75-*8-29 . /128/= -3+ . /6/*+1>2-29/>+ . =
\$%&'&'%'%/\$D)% ?@A \$%&'&'%'%/\$C%&

4 = *-3+/6/B'%%/457*-3/ . +>Z-3+/6/B' ' %/-2 => 01:-=2 3* = . +8

3 " # #H(O/M(HAO@(/SJMFOA(/ "MIO?N/SJ(F>OM*JGO?P"H(/?/IK?EO(/ "M(?L/G"!/(FO/@JQF(R/ . (HAO@(/O\O(H?K/L/EF?@QOA/FO/
#J@A/?@A!O(H!@OA/F" #OR

\$%&'&'%'%/\$\$%[

*+ , -. / = /31045 . /6=: ; +>/6/= /31045 . /</: ; +>
\$%&'&'%'%/\$\$%[?@A \$%&'&'%'%/\$\$\$B

4 = *-3+/6/B'%%/457*-3/ . +>Z-3+/6/B'U'/3 ; +3` / =>/ 3* = . +8

1/'\$LO?!<"KA/GO#?KO/E" # #H(O/M(HAO@(/S?M(!?@MI"! (OA(/ "FO/F"MIJ(?K/G!" #FO!/"GG/E?# IHM!OMJAO@EO/?G(O!/(F!O?(O@J@Q/
MHJEJAOR

\$%&'&'%'%/\$[] %

*+ , -. /01-2/31045 . /6/31045 . /75-*8-29 . /6/>+ . -8+23+ / ; 1** . /6/0 = : ; +>/: +>+ . 1/ ; 1**
\$%&'&'%'%/\$' % % ?@A \$%&'&'%'%/\$[] %

4 = *-3+/6/%[%%/71: : +>V/6% [DW/8=0+ . : -3/71: : +>V 3* = . +8

\$C/LO?!<"KA/#?KO/?@A/\$C/LO?!<"KA/GO#?KO!OMJAO@(/M(HAO@(/M/Q" (J@("/?@/?!QH#O@(/!OMHK(J@Q/(FO/#?KO:M!" # #POJ@Q/
!/?M?ENOA/?@A/P"(F/I?!(JOM/IHMFJ@Q/O?EF/"(FO!R/2"/EF?!QOM/SO!O/GK/OAR/>O:G!OA(/ "M(HAO@(/E" @AHE(R

\$%&'&'%'%/%D[U

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\$%&'&'%'%/%D[U ?@A \$%&'&'%'%/%D[U

4 = *-3+/6/B\$%%/ . +>Z-3+ / = : ; +>/19+23V/6/B\$\$)/3-: V 3* = . +8

4 = *-3+/6/B)%%/457*-3/3=04*1-2:/6/B)\$W/1*1>0/X . : 3* = . +8

J!O/?K?!#/?E(J\?(J"@/E?HMOA/PL/# "JM(H!O/G!" #/?M(HAO@(@M/FH#JAJGJO!R

\$%&'&'%'%/\$' \$W

*+ , -. /01-2/31045 . /6/31045 . /75-*8-29 . /6/1318+0-3/75-*8-29 . /128/= -3+ . /6/*+1>2-29/>+ . =
\$%&'&'%'%/\$' \$W ?@A \$%&'&'%'%/\$' \$W

4 = *-3+/6/B'%%/457*-3/ . +>Z-3+/6/B' ' %/-2 => 01:-=2 3* = . +8

*548/=GGEO!M/SO!O?A\JMOA/"G/?@/"@<Q"J@Q/ME?#J@\"K\J@Q/EH!O@(/5\JO!MJ(L/O#IK"Loomz/I O!M#@?KJ@G"!#?(J"@/POJ@Q/
MHP#J((OA(/ "FO/-*/8O!?!(#O@(/"G/+ #IK"L#O@(/ . OEH!JL(/ "IOEOJ/O/H@O#IK"L#O@(/PO@OGJ(MR/ : FJM/JM/?SJAOM!IO?A/ME?#/
F?I IO@J@Q/(F!"HQF"H(/(FOM(?OR

\$%&'&'%'%/\$') %

*+ , -. /01-2/31045 .
\$%&'&'%'%/\$') % ?@A \$%&'&'%'%/\$' ' W

4 = *-3+/6/B'%%/457*-3/ . +>Z-3+/6/B' ' %/-2 => 01:-=2 3* = . +8

1/G?EHK(L/#O#PO!IO!"(OA/E"@EO!@/?P"H(/?)D/LO?!<"KA/E" # #H(O!J@/?/A" #OM(JE/J"KO@EO/MJ(H?J"@R*548/A" #OM(JE/
J"KO@EO/MIOEJ?KJM/E"@@OE(OA/SJ(F/(FO/M(HAO@(/?@A/G?EJJK?(OA/?KJ@N(/ "H(MJAO/K?S/O@G"IEO#O@(/?@A/MHII!"(MO!J\EOM/G"!/
(FO/M(HAO@(@M/A" E?K/H!JMAJE(J"@R

$$4 = * - 3 + / 6 / \$ D \% \% / 3 1 2 2 1 7 - . / 3 = 2 : > = * / 1 3 : / 6 / \$ D D \% / 3 1 2 : 3 * = . + 8$$

1 /) % / L O ? ! < " \ K A / # ? \ O ! \ O M J A O @ (/ M (H A O @ (/ S ? M / G " H @ A / (" / P O / J @ / I " M M O M M J " @ / " G / E ? @ @ ? P J M R / > O G O ! \ O A / (" / M (H A O @ (/ E " @ A H E (R

\$ % & ' B & ' % ' % / \$ D) C

$$* + , - . / 0 1 - 2 / 3 1 0 4 5 . / 6 / 3 1 0 4 5 . / 7 5 - * 8 - 2 9 . / 6 / 1 3 1 8 + 0 - 3 / 7 5 - * 8 - 2 9 . / 1 2 8 = - 3 + . / 6 / * + , - . / 0 + 0 = > - ' \\ \$ \% & ' \% \$ C \% \% \% \$ \quad ? @ A \ [\& \$ U \& ' \% ' \% / ') U C$$

$$4 = * - 3 + / 6 / \$ \$ \% \% / 8 + 3 + 4 : - Z + / 4 > 1 3 : - 3 + / 6 / \$ \$) \% / > 1 5 8 \quad 3 * = . + 8$$

1 / 6 O # ? \ O ! \ O M J A O @ (/ M (H A O @ (/ ! O I " ! (O A / J A O @ (J (L / (F O G (R

\$ % &) \$ & ' % ' % / \$ [) D

$$* + , - . / 0 1 - 2 / 3 1 0 4 5 . / 6 / 3 1 0 4 5 . / 7 5 - * 8 - 2 9 . / 6 / 1 3 1 8 + 0 - 3 / 7 5 - * 8 - 2 9 . / 1 2 8 = - 3 + . / 6 / * + 1 > 2 - 2 9 / > + . = \\ \$ \% &) \$ & ' % ' % / $ [) D \quad ? @ A \ \$ \% &) \$ & ' % ' % / $ [) D$$

$$4 = * - 3 + / 6 / B D \% \% / 8 + 4 1 > : 0 + 2 : 1 * / . + > Z - 3 + . \& 1 3 : - Z : - + \quad 3 * = . + 8$$

1 / ' [/ L O ? ! < " \ K A / # ? \ O / \ J P ! ? ! L / I ? (! " @ / S F " / S ? M / @ " (/ ? G G J K J ? (O A / S J (F / * O S J M / 5 @ J \ O ! M J (L / S ? M / G " H @ A / (" / F ? \ O / ? @ / ? ! \ O M / S ? ! ! ? @ (/ ? G (O ! / \\ ! O G H M J @ Q / (" / E " # I K L / S J (F / * J P ! ? ! L / M (? G G a M ! O d H O M (/ (" / ! ! " I O ! K L / S O ? ! / ? / # ? M N R / : F O / M H P e O E (/ S ? M / (? N O @ / J @ (" / E H M (" A L / ? @ A / \\ (! ? @ M G O ! \ O A / (" / > " # O " \ J K O / 4 " \ K J E O / G " ! / ! ! " E O M M J @ Q / " G / (F O / S ? ! ! ? @ (R

\$ % &) \$ & ' % ' % / \$ D % W

$$* + , - . / 0 1 - 2 / 3 1 0 4 5 . / 6 / 3 1 0 4 5 . / 7 5 - * 8 - 2 9 . / 6 / > + . - 8 + 2 3 + / ; 1 * * . / 6 / 7 = > > = 0 + = / ; 1 * * / 6 / 7 = > > = 0 + = / ; \\ \$ \% &) \$ & ' % ' % / $ D \% W \quad ? @ A \ \$ \% &) \$ & ' % ' % / $ D \%$$

$$4 = * - 3 + / 6 / \$ D \% \% / 3 1 2 2 1 7 - . / 3 = 2 : > = * / 1 3 : / 6 / \$ D D \% / 3 1 2 : 3 * = . + 8$$

: F O / " A " ! / " G / E ? @ @ ? P J M / ! O M H K (O A / J @ / ? / M O ? ! E F " G M (H A O @ (a M ! " # / L J O \ A J @ Q / @ " / E " @ (! ? P ? @ A R / > O G O ! \ O A / (" / M (H A O @ (/ E " @ A H E (R