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"#\$%&' (')\$ *!+, \$- ' !\$(. . /' -!\$0!1. 2&(' #' 0%)' !(' %' 3(1#!. 0!' 44' 1/\$)' !#\$\$+#' (!' -, 13/\$. 0!
/' 31#\$0+!30-!5' 3(0\$0+!&(31/\$1' %6!&3(/\$1, 53(57!*\$/#0!/#' !. 05\$0' !' -, 13/\$. 0!%&# ' (' 8!9/:%!-' %\$+0' -!
3(. , 0-!4\$)' !&\$). /35!13/' +. (\$' %!/#3!0. /!. 057!%/(' 325\$0' !/#' !&' ' (!')\$' *!&(. 1' %!4. (!. 05\$0' !
/' 31#\$0+!3!; . /#!, 0-' (+(-, 3/' !30-!+(-, 3/' !5')' 5%!, /!35%. !35\$+0!*\$/#!<' 7!&(\$01\$&5' %!. 4!. 05\$0' !
' -, 13/\$. 0!\$015, -\$0+!=' +, 53(!30-!>, ;%/30/\$35!90/' (31/\$. 0!?=>9@!A0\$)' (%35!B' %\$+0!4. (!C' 3(0\$0+!
?ABC@!30-!#, 230\$D\$0+!. 05\$0' !5' 3(0\$0+8!
!

E7!4. 1, %\$0+!. 0!/#' %' !3(' 3%6!/#' !+, \$- ' !' 0%, (' %!/#3!/. 05\$0' !1. , (%' %!3(' !-')' 5. &' -!30-!-' 5\$)' (' -!
\$0!*37%!/#3/13(' !' 0+3+\$0+6!311' %%; 5' 6!30-!%, &&. (/)\$' !. 4!355!%/ , -' 0/%6!/#' (' ; 7!4. %/' (\$0+!3!2. (' !
\$015, %\$)' !30-!&' (%. 035\$D' -!5' 3(0\$0+!' 0)\$(. 02' 0/8!"#'"' !' F32&5' %!. 4!')\$-' 01' !30-!(' 1. 22' 0-' -!
(' % . , (1' %!&(.)\$-' -!, 0-' (!' 31#!13/' +. (7!%' ()' !/. !+, \$- ' !&' ' (!')\$' *' (%!\$0!\$-' 0/\$47\$0+!/' 31#\$0+!

". !# ' 5&!431\$5\$/3/' !/#' !&' ' (!(')\$' *!. 4!. 05\$0' !/' 31#\$0+6!/#' !4. 55. *\$0+!&' ' (!(')\$' *!&(. 1' %%!\$%!
%, ++' %/' -K!

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L8 " # ' !1. , (% ' !\$0%/(, 1/. (!1. 2&5' /' %!/#' !M90%/(, 1/. (!90&, /!N. (20!/. !
&(.)\$- ' !/#' !&' ' (!(')\$' *' (!*\$/#1. 0/' F/, 35!\$04. (23/\$. 0!3; . , /!/#' !1. , (%' 8!

P8 !"#' !&' ' (!(')\$' *' (!3%%' %%' %!#. *!/#' !\$0%/(, 1/. (!3--(' %%' %!' 31#!
. 4!/#' !4\$)' !13/' +. (\$' %!, %\$0+!/#' !MQ' ' (!=')\$' *!R, \$- ' !4. (!S05\$0' !T. , (%' %60!0. /\$0+!
%/(' 0+/#%130-!3(' 3%!4. (!2&(.)' 2' 0/8!

U8 !"#' !(')\$' *' (!30-!\$0%/(, 1/. (!- ' ; (\$' 4!/#' !' F&' (\$' 01' !/ . !-\$%1, %%!
. ; %' ()3/\$. 0%!30-!#. *!/#' 7!130!\$04. (2!/' 31#\$0+!' 0#301' 2' 0/%8!

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"#\$%13/' +. (7!, 0-' (%1. (' %!/#' !\$2&. (/301'!. 4!4. %/' (\$0+!2' 30\$0+4, 5!1. 00' 1/\$. 0%!
; '/*'' 0!%, -' 0/%!30-!431, 5/76! *#\$1#!\$%! '%&' 1\$3557!)\$/35!\$0!/#'!. 05\$0' !5' 3(0\$0+!

X2%\$D' %/#' !1(' 3/\$. 0!. 4!3!1. 553; . (3/\$)' !5' 3(0\$0+' 0)\$(. 02' 0/!*#(' !
%/ , -' 0/%!130!5' 3(0!4(. 2!. 0' !30. /#'(6!#3(' !-\$)' (%' !&' (%&' 1/\$)' %6!30-!; , \$5-!3!
' 0%' !. 4!1. 22, 0\$/78!

!

IB' %\$+0\$0+!1. 553; . (3/\$)' !3%\$+02' 0/%!/#3!
(' G, \$(' !50/' (-' &' 0-' 01' 6!\$0-\$)\$-, 35!311. , 0/3; \$5\$/76!30-!+(. , &!
&(. 1' %\$0+8!

!N31\$5\$/3/\$0+!4. (, 2%! . (!%&31' %!*#' (' !%/ , -' 0/%!
130!-\$%1, %%!1. , (%' !23/' (\$35!\$04. (235576!%#3(' !(' % . , (1' %6!30-!%, &&. (!
' 31#!. /#'(8!

!X01. , (3+\$0+!&' (' !)' \$' *!30-!4' ' -; 31<!/. !-' ' &' 0!
, 0-' (%/30-\$0+!30-!; (. 3-' 0!&' (%&' 1/\$)' %8!

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R(. , &!&(. J' 1/%!/#3!\$015, -' !(. 5' %!4. (!' 31#!2' 2; ' (6! 0%, (\$0+!31/\$)' !
&3(/\$1\$&3/\$. 0!30-!%#3(' -!(' %&. 0%\$; \$5\$/78!

T(' 3/\$. 0!. 4!3!W)\$(/, 35!134' W!. (!%\$2\$53(!. 05\$0' !%&31' !*#' (' !%/ , -' 0/%!130!
#3)' !\$04. (235!-\$%1, %%\$. 0%! , 0(' 53/' -!/. !%&' 1\$4\$1!3%\$\$+02' 0/%8!

Q' ' (!3%%' %\$2' 0!31/\$)\$/\$' %!*#' (' !%/ , -' 0/%!&(.)\$-' !1. 0%/ (, 1/\$)' !
4' ' -; 31<! . 0! 31#!. /#'(:%!* . (<6!+, \$-' -!; 7!15' 3(!1(\$/' (\$38!

>/ (, 1/, (' %!-\$%1, %%\$. 0%! . 4!23/' (\$35!; 3%' -!. 0!4' ' -; 31<! . 0!%/ , -' 0/%Y!
, 0-' (%/30-\$0+6!' 01. , (3+\$0+!-' ' &' (!' 0+3+' 2' 0/!*\$/#!/#' !1. 0/' 0/8!

V%<%!%/ , -' 0/!/' 32%!. !(' 3-! 31#!. /#'(:%!#. 2' * . (<130-!1(\$/\$G, ' 6!
4. %/' (\$0+!3!%' 0%' !. 4!1. 22, 0\$/7!30-!1. 553; . (3/\$)' !5' 3(0\$0+8!

V!& , ; 5\$%#'-!1. , (%' !%1#'- , 5' !. , /5\$0' %!/. &\$1%!30-!3%\$\$+02' 0/!-, ' !-3/' %!
%. !%/ , -' 0/%!130!&530!/#' \$(!* . (<5. 3-6!' 0#301\$0+!/\$2' !2303+' 2' 0/!30-!
1. 553; . (3/\$)' !&5300\$0+8!

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N. 1, %' %!. 0!\$0). 5)\$0+!%, - ' 0/%!-\$(' 1/57!\$0!/#!' !5' 3(0\$0+!&(. 1' %%6!' 01. , (3+\$0+!
/#' 2!/. !31/\$)' 57!' 0+3+' !*\$/#!/#!' !23/' (\$356!3&&57!*#3!/#!' 7!5' 3(06!30-!(' 45' 1/!. 0!
/#' \$(!<0. *5' -+' 8!
!

90/' (31/\$)' !T. 0/' 0/K!A/\$5\$D\$0+!2, 5/\$2' -\$36!%\$2, 53/\$. 0%6!30-!\$0/' (31/\$)' !
31/\$)\$/\$' %!/#!3/!(' G, \$(' !%/ , - ' 0/' 0+3+' 2' 0/8!
T(\$/\$135!'#\$0<\$0+!30-!Q(. ; 5' 2!>. 5)\$0+K!X01. , (3+\$0+!%, - ' 0/%!/. !3&&57!
1. 01' &/%!/. !(' 35! * . (5-!%1' 03(\$. %6!30357D' !13%' !%/ , -\$' %6!30-!' 0+3+' !\$0!
&(. ; 5' 2!% . 5)\$0+!' F' (1\$%' %8!
=' 45' 1/\$. 0!30-!>' 54!V%' %%2' 0/K!901. (& . (3/\$0+!(' 45' 1/\$)' !J. , (035%6!%' 54!
3%%' %%2' 0!/G, \$DD' %6!30-!. /#!' (!31/\$)\$/\$' %!/#!3/!355. *!%/ , - ' 0/%!/. !1. 0%\$-' (!
/#' \$(!5' 3(0\$0+!&(. +(' %%8!
!

A%' !. 4!)\$(/, 35!53; %!. (!%\$2, 53/\$. 0%!*# ' (' !%/ , - ' 0/%!130!230\$&, 53/' !
)3(\$3; 5' %!30-!%' ' !/#!' !. , /1. 2' %!\$0!(' 35!/\$2' 8!
T3%' 1; 3%' -!-\$%1, %%\$. 0%!\$0!4. (, 2%!. (!-, (\$0+!5\$)' !%' %%\$. 0%!*# ' (' !%/ , - ' 0/%!
30357D' !30-!-' ; 3/' !-\$44' (' 0/!3&&(. 31#%' %!/ . !&(. ; 5' 2!% . 5)\$0+8!
X0-1. 4!2. - , 5' !(' 45' 1/\$. 0!&(. 2&/%!/#!3/!' 01. , (3+' !%/ , - ' 0/%!/. !3(/\$1, 53/' !
*#3!/#!' 7:) ' !5' 3(0' -!30-!\$-' 0/\$47!3(' 3%!4. (!4, (/#!' (!' F&5. (3/\$. 08!
Q(.)\$-' %!2' 30\$0+4, 5!4' ' - ; 31<! . 0!%/ , - ' 0/!3%%\$+02' 0/%!*\$/#!\$0!3!
&, ; 5\$1\$D' -!30-!(' 3%. 03; 5' !/\$2' !4(32' 6!' 01. , (3+\$0+!31/\$)' !' 0+3+' 2' 0/!
*\$/#!/#!' !5' 3(0\$0+!23/' (\$358!
>#3(' %!' F32&5' %!. 4!%/ , - ' 0/!* . (<!/#3/!-' 2. 0%/ (3/' !3-)301' 2' 0/!
/. *3(-!5' 3(0\$0+!+. 35%6!\$0%&\$(\$0+!. /#!' (%!30-!%#. *13%\$0+!-\$)' (%' !
3&&(. 31#%' %!/ . !&(. ; 5' 2!% . 5)\$0+8!
Q(.)\$-' %!. &&. (/ , 0\$/\$' %!4. (!&(31/\$1' !*\$/#!4' ' - ; 31<6!%, 1#13%!\$0/' (31/\$)' !
' 54!3%%' %%2' 0/%!. (!03((3/' -!-' 2. 0%/ (3/\$. 0%!. 4!#. *!/. !%. 5)' !
23/#' 23/\$135!&(. ; 5' 2%6!&(. 2. /\$0+!31/\$)' !' 0+3+' 2' 0/8!
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XO%, (' %/#3/!1. , (%' %!3(' !1#355' O+\$O+!30-\$O/' 55' 1/, 3557!%/\$2, 53/\$O+6!%' // \$O+!# \$+#!
' F&' 1/3/\$. O%!4. (!355!%/ , -' O/%!/. !31#'\$)' !/#' \$(!; ' %/8!

!V(/\$1, 53/\$O+!*#3!%/ , -' O/%!3(' !' F&' 1/' -!/. !
5' 3(O!30-\$131#'\$)' !; 7!/#' !' O-!. 4!/#' !1. , (%' !. (!2. - , 5' 8!
!B' %\$+O\$O+!/3%<!/#3!&, %#!%/ , -' O/%!; ' 7. O-!
2' (' !(' 1355!. 4!\$O4. (23/\$. O!/. !30357%\$%6!%70/#' %\$%6!30-\$!) 35, 3/\$. O8!
!XO1. , (3+\$O+!3!+(. */#!2\$O-%' /!*# ' (' !
%/ , -' O/%!)\$' *!1#355' O+' %!3%! . &&. (/ , O\$/\$' %!4. (!5' 3(O\$O+!30-\$!
-')' 5. &2' O/8!

B' /3\$5' -!(, ; (\$1%/#3/!1. 22, O\$13/' !/#' !1(\$/' (\$3!4. (!' F1' 55' O1' !\$O!
3%%\$+O2' O/%!30-\$!-\$%1, %%\$. O%8!
Q(. J' 1/%!/#3/!(' G, \$(' !%/ , -' O/%!/. !1. O- , 1/!\$O-' &' O-' O/!(' %' 3(1#6!
\$O/' +(3/' !)3(\$. , %!%. , (1' %!. 4!\$O4. (23/\$. O6!30-\$!&' %' O/!/#' \$(!4\$O-\$O+%8!
9O1. (&. (3/\$. O!. 4!\$/' (3/\$)' !3%%\$+O2' O/%!*# ' (' !%/ , -' O/%!(' 4\$O' !30-\$!
\$2&(.)' !/#' \$(!* . (<!; 3%' -!. O!4' ' -; 31<8!
XF&5\$1\$!1. 22, O\$13/\$. O!. 4!/#' !%<\$55!30-\$!<O. *5' -+' !')' (7!%/ , -' O/!O' ' -%!
/ . !; ' !%, 11' %%4, 5!\$O!/#' !1. , (%' 6!%' // \$O+!15' 3(!' F&' 1/3/\$. O%8!
N(' G, ' O/!4' ' -; 31<!\$!&(.)\$- -!/. !%/ , -' O/%!/#(. , +#!* (\$/' O!' F&53O3/\$. O%!
30-\$!-' /3\$5' -!4' ' -; 31<!. O!3%%\$+O2' O/%!23\$O/3\$O\$O+!#\$+#!313-\$' 2\$1!
%/30-3(-%8!
Z. /\$)3/\$. O!30-\$! O1. , (3+' 2' O/!\$O%&\$(' !%/ , -' O/%!/. !2.)' !&3%/!/#' !' 3%7!
30%*' (%!/. !2. (' !1. 2&5' F!%. 5, /\$. O%6!4. %/' (\$O+!3!1, 5/, (' !. 4!#\$+#!
' F&' 1/3/\$. O%!30-\$1313-\$' 2\$1!(\$+. (8!

!

Q(\$ (\$/\$D' %!/ #' !1(' 3/\$. 0!. 4!30!\$015, %\$)' !5' 3(0\$0+' 0)\$(. 02' 0/!/#3/!
311. 22. -3/' %!%/ , -' 0/%!:-\$)' (%' !0' ' -%6!; 31<+(. , 0-%6!30-!3; \$5\$/ '\$ %8!

!92&5' 2' 0/\$0+!ABC!&(\$01\$&5' %!/ . !
&(.)\$-' !2, 5/\$&5' !2' 30%! . 4!' 0+3+' 2' 0/6!(' &(' %' 0/3/\$. 06!30-' F&(' %%\$. 08!
!X0%, (\$0+!1. , (%' !1. 0/' 0/!30-' F32&5' %!3(' !
\$015, %\$)' !30-!(' &(' %' 0/3/\$)' !. 4!3!-\$)' (%' !%/ , -' 0/!&. &, 53/\$. 08!
!