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)& 6 6. O(18\$*.%%&,1*\$1"#\$(01#''#)1./'\$5,&G1"\$&2\$/''\$(1*\$6#6?#,*\$G"('#\$&22#,(05\$1"#6\$
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%,&5,/6*\$&2\$1"#\$>O(=#,*(18F\$!&\$%/,1()(%/1#\$(0\$1"#\$'(2#\$&2\$<<(=(#,\$>O(=#,*(18\$(*\$1&\$*1,(=#\$2&,\$/)/)/-#6()\$#L)#''#O)#+\$1&\$1/M#\$,#*%&O*(?('(18\$2&,\$&.,*#'=#*\$/O-\$2&,\$&1"#,*+\$/O-\$1&\$#05/5#\$(0\$)
-(/'&5.#\$/?&.1\$?/*()\$".6/0\$(**.#*\$2/)(05\$*&)(#18+\$#**#)(/''8\$1"#\$%'(5"1\$&2\$1"#\$%&&,\$/O-\$(*\$C,"#\$)).**
%&G#,'#*F\$!"#\$>O(=#,*(18FL1#O-*\$1&\$/''\$&2\$(1*\$6#6?#,*\$/O-\$/'*&\$1&\$1"#\$5,#/1#,\$)&66.O(18\$/0\$)
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 $! "\#\$4,\&5,/6\$,\#)\&50(0\#*\$1"\#\$(6\%\&,1/0)\#\&2\$-(=\#,*(18\$(0)'.*(=\#\&2\$).'1..,/'\$/0-\$(0-(=(-../'\$-(22\#,\#0))\#*\$(0\$1"\#\$1,/(0(05\&2\$\%*8)"\&'\&5(*1*F\$!"\#\$4,\&5,/6\$/-"\#,\#*\$1\&\$1"\#\$-\#2(0(1(\&0\$\%,\&=(-\#-\$?8\$1"\#\$@4@\$:\&66(**(\&0\$\&0\$@)),\#-(1/1(\&0\$*.)"\$1"/1\$1"(*\S(0)'.-\#*+\$?.1\$(*\$0\&1\$'(6(1\#-\$1\&\$/5\#+\$-(*/?('(18+\$#1"0()(18+\$5\#0-\#,*\$5\#0-\#,\$(-\#01(18+\$'/05./5\#+\$0/1(\&0/'\$\&,(5(0+\$,/))\#+\$,\#'(5(\&0+\$).'1..,\#+\$*+1../'$\&,(\#01/1(\&0+\$/0-\$*\&)(\&\#)\&0\&6()\$*1/1.*F\$!"\#\$4,\&5,/6\$\&?\$)1(=\#*\$/0-\$)\&6\%\#1\#0)(\#*\$,\#2'\#)1\$/\$2\&).*\$\&0\$)\&6\%\#1\#01\$/**\#**6\#01\$/0-\$1,\#/16\#01\$\&2\$)'(0()/'$\%\&\%.'/1(\&0*\$G(1"\$,\#*\%\#)1\$2\&,\$)'(\#01\$=''.\#*+\$\%,\#2\#,\#0)\#*+\$/0-\$-(=\#,*\#\$?/)M5,\&.0-\$F\$)$

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)&6%#1#0)(#*$(0$"#/'1"$*#,=()#$%*8)"&'&58$(0$1"#$%,/)1()#$/,#/*$&2$)&.0*#'(05$/0-$*)"&&'$
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         MO&G'#-5#$&2$"#/'1"$*#,=()#$%*8)"&'&58$7#F5F+$-#=#'&%6#01/'+$?(&'&5()/'+$)&50(1(=#H$
         /22#)1(=#+$ /O-$ *&)(/'$ /*%#)1*$ &2$ ?#"/=(&,9+$ /O-$ 1"#$ "(*1&,8$ &2$ 1"#$ -(*)(%'(O#$ &2$
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         0./01(1/1(=\#\$/0/8*(*+\$/0-\$\%*8)"\&6\#1,()*F$
) ' 0 6%+%*78&32&) ' 0 0 @*/7"+/'*&"*=&A*+%B6%B, '*"$&: C/$$,&
;1.-#01*$-#=#'&%$1"#$/?('(18$1&$)&66.0()/1#$/0-$.*#$(01#,%#,*&0/'$*M(''*$#22#)1(=#'8$(0$
(0),#/*(05'8)&6%'#L$*(1./1(\&0*)G(1")(0),#/*(05)(0-#%#0-#0)#F)
          ?$% 0 %*+&3''2&; 1. -#01*$-#=#'&%$/O-$ 6 /(01/(0$#22#)1(=#$,#'/1(&O*''(%*$G(1"$/$G(-#$,/O5#$
         &2$(O-(=(-./'*+$(O)'.-(O0.2412.2450#/#%*+8)&6.0(1(#%*&,5"$/.0($01&0*L$*%#,=(%*,*+$
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                       %,&2#**(&0/'\s2.0)1(&0(05J\$#05/5#\$(0\$/)1(=(1(#*\$1\&\$6/(01/(0\$/O-\$(6\),&=#\$\#,2\&,6/0)#\\$
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                      2##-?/)M$/O-$*.%#,=(*(&OF$
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                       ?$% 0 %*+&4=2&; 1. -#01*$,#*%&0-$%,&2#**(&0/''8$(0$(0),#/*(05'8$)&6%'#L$*(1. /1(&0*$G(1''$/$
                      5,#/1#,$-#5,##$&2$(O-#%#O-#O)#$/*$1"#8$%,&5,#**$/),&**$'#=#'*$&2$1,/(O(O5F$
 ) ' 0 6%+%*78&52&.,,%,, 0 %*+&
 ;1.-#01*$-#=#'&%$MO&G'#-5#$/O-$*M(''*$(O$#=(-#0)#E?/*#-$1"#&,(#*$/O-$6#1"&-*$&2$/**#**6#01$
/0-\$-(/50\&*(*+\$(0)'.-(05\$1"\#\$*\#'\#)1(\&0+\$/-6(0(*1,/1(\&0+\$/0-\$(01\#,\%,\#1/1(\&0\$2\$/**\#**6\#01*\$)1(\&0+\$/0-\$(01\#,\%,\#1/1(\&0\$2\$/**\#**6\#01*\$)1(\&0+\$/0-\$(01\#,\%,\#1/1(\&0\$2\$/**\#**6\#01*\$)1(\&0+\$/0-\$(01\#,\%,\#1/1(\&0***)1(\&0***)1(\&0***)1(\&0***)1(\&0***)1(\&0***)1(\&0***)1(\&0***)1(\&0***)1(\&0***)1(\&0***)1(\&0***)1(\&0***)1(\&0***)1(\&0***)1(\&0**)1(\&0***)1(\&0***)1(\&0***)1(\&0***)1(\&0***)1(\&0***)1(\&0***)1(\&0**)1(\&0***)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0**)1(\&0
)&0*(*1#01$G(1"$?#*1$*)(#01(2()$,#*#/,)"$#=(-#0)#\$1"#$*)(#0)#$&2$6#/*.,#6#01\$/0-$
%*8)"&6#1,()*F$
                       ?$% 0 %*+&5''2&;1.-#01*$-#6&0*1,/1#$).,#01$M0&G'#-5#$&2$-(/50&*1()$)'/**(2()/1(&0$
                      *8*1#6*+$2.0)1(&0/'$/0-$-8*2.0)1(&0/'$?#"/=(&,*+$(0)'.-(05$)&0*(-#,/1(&0$&2$)'(#01$
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                       )&O1#L1$7#F5F+$2/6('8+$*&)(/'+$*&)(#1/'$/O-$).'1.,/'9F$
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                      (0-\$-8*2.0)1(\&0/\$?#"/=(\&,*\$(0)'.-(05\$)\&01\#L1\$1\&\$1"\#\$/**#**6\#01\$/0-H\&,\$-(/50\&*1()\$)
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                      /0-\$,\#)\&66\#0-/1(\&0*+\$G"('\#\$5./,-(05\$/5/(0*1\$-\#)(*(\&0\$6/M(05\$?(/*\#*+\$-(*1(05.(*"(05\$)))))))))
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        ?$% 0 %*+&F=2&; 1.-#01*$-#6&0*1,/1#$1"#$/?('(18$1&$/%%'8$1"#$,#'#=/01$,#*#/,)"$'(1#,/1.,#$
        1\&)'(O()/'\$-\#)(\*(&OE 6 /M(O5F\$
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        ?$% 0 %*+&F%2&; 1. -#01*$ 6 &-(28$/O-$/-/%1$#=(-#0)#E?/*#-$/%%,&/)"#*$#22#)1(=#'8$G"#0$/$
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        /0-\$6\#1"\&-\$\$)\&0*(*1\#01\$G(1"\$\&05\&(05\$\#=/'./1(\&0F\$)))
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%,&2#**(&O/'$%,/)1()#F$
        ?$% 0 %*+&H''2&; 1.-#01*$-#6&0*1,/1#$2&.O-/1(&O/'$MO&G'#-5#$/O-$(O(1(/'$*M(''*$(O$1"#$
        (0*1, .)1(\&0+\&=\#, *(5"1+\$/0-\$*.\%\#, =(*(\&0\&2\$1, /(0#\#*\$/0-\$\&1"\#,\$\%, \&2\#**(\&0/'*F\$))))
        ?$% 0 %*+&H#2$;1.-#01*$-#6&0*1,/1#$M0&G'#-5#$/O-$,#*%#)1$2&,$1"#$/%%,&%,(/1#$.*#$&2$
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;1.-#01*$-#=#'&%$1"#$/?('(18$1&$(0-#%#0-#01'8$2&,6.'/1#$,#*#/,)"$&,$&1"#,$*)"&'/,'8$%,&-.)1*$

1"/1$/,#$&2$*.22()(#01$Q.'(18$/0-$,(5&,$1&$)&01,(?.1#$1&$1"#$*)(#01(2()+$%*8)"&'&5()/'+$&,$
%,&2#**(&O/'$M0&G'#-5#$?/*#$/0-$/)Q.(,#$1"#$M0&G'#-5#$/0-$*M(''*$0#)#**/,8$2&,$1"#$),(1()/'$
,#=(#G+$#=/'./1(&O+$/0-$%,#*#01/1(&O$&2$%*8)"&'&5()/'$/0-$,#*#/,)"$'(1#,/1.,#F$)

?$% 0 %*+&J"2&;1.-#01*$-#6&0*1,/1#$/0-$.1('(0#$*.?*1/01(/'$M0&G'#-5#$/0-$*M(''*$/0-$
/%%'()/1(&O$(O$?/*()$Q./01(1/1(=#$6#1"&-*$/0-$-/1/$/0/'8*(*+$,#*#/,)"$-#*(50+$/0-$
%*8)"&'&5()/'$6#/*.,#6#01$)&66&0'8$.*#-$(0$%*8)"&'&58F$
?$% 0 %*+&J#2&;1.-#01*$-#6&0*1,/1#$/0-$.1('(0#$*M(''*$(0$/-=/0)#-$,#*#/,)"$6#1"&-*$/0-$
-/1/$/0/'8*(*$/%%,&%,(/1#$(0$)&0-.)1(05$,#*#/,)"F$

\( ) ' 0 6%+%*78&M2&?+L/7"$\"*=&N%>"$&:+"*="B=,&
;1.-#01*$-#=#'&%$M0&G'#-5#$&2+$/0-$/-"#,#$1&+$/"$,#'#=/01$#1"()/'$/0-$'#5/'$*1/0-/,-*+$
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%,(6/.8$%..,%&*#$&2$1"#$: &6 6(11##$(*$1&$#05/5#$(0$/**#**6#01$2&,$)&01(0.&.*$(6%,&=#6#01$&2$)
1"#$4,&5,/6$/O-$1&$,#=(#G$/''$4,&5,/6$%&'()(#*$/O-$%,&)#-.,#*F$!"#$:&66(11##$6##1*$&0$/O$
/00./'$?/*(*F$: &01,(?.1(05$2/).'18$/,#$(0=(1#-$1&$/11#0-$1"#*#$6##1(05*F$
B"#)*?;,(*#/;>%&'53#8'--\%**,,#
! "#$;1.-#01$@-=(*&,8$:&66(11##$)&0*(*1*$&2$/$*1.-#01$,#%,#*#01/1(=#$2,&6$#/)"$)&"&,1$G"&$(*$
*#'#)1#-$?8$6#6?#,*$&2$1"#$)&"&,1F$!"#$%,(6/,8$%.,%&*#$&2$1"#$:&66(11##+$G"()"$6##1*$/1$
'#/*1$&O)#$#/)"$/)/-#6()$*#6#*1#,+$(*$1&$%,&6&1#$)&66.0()/1(&O$?#1G##O$/O-$G(1"(O$1"#$
*1.-#01$)&''&,1*+$1&$2/)('(1/1#$4,&5,/6E'#=#'$)&66.0()/1(&0$?#1G##0$*1.-#01*$/0-$2/).'18+$/0-$1&$
%,&=(-#$(0%.1$&0$4,&5,/6$%&'()(#*$/0-$%,&)#-.,#*$/*$G#''$/*$%,&%&*#-$)"/05#*F$4,&5,/6$
(0(1)/1(=\#^*),\#^*,\#^*,\#^*)=(\#G\#^*)^0.**#-$G(1"$1"#$;1.-#01$@-=(*&,8$:&66(11##$&0$/0$&05&(05$)
?/*(*F$@$2/).'18$,#%,#*#01/1(=#$*#,=#*$/*$/$6#6?#,$&2$1"#$;1.-#01$@-=(*&,8$:&66(11##F$
1!"#.&'5&-+#-(+!,.!'$#
!"#/; - %&&%'(&#+(;#<(5'==-,(*#C>,5>%,D##
! "#$4,&5,/6$/))#%1*$/O-$#O,&''*$/$-(=#,*#$*1.-#O1$5,&.%$#/)"$2/''$*#6#*1#,F$!"#$%,&)#**$&2$
/-6(**(&0*$?#5(0*$G(1"$1"#$*1.-#01I*$/%%'()/1(&0$/0-$)&01(0.#*$G(1"$1"#$0&1(2()/1(&0$&2$
/-6(**(&0$-#)(*(&0*$?8$1"#$: &.#$R/).'18$: &66(11##$1".&.5"\$..(#01/1(&0$/0-$#0.&''6#01F$
: &,,#*%&0-#0)#$G(1"$/%%'()/01*$(*$%,(6/,('8$"/0-'#-$?8$1"#$]22()#$&2$`,/-./1#$@-6(**(&0*F$
@%%'()/0!*$/0-$(0)&6(05$*1.-#0!*$/'*&$)&66.0()/!#$G(1"$!"#$3(.#)1&.$&2$!./(0(05F$$
;1.-#01*$0##-$/$6(0(6.6$&2$/$?/)"#'&,I*$-#5,##$1&$?#$)&0*(-#,#-$2&,$/-6(**(&0$1&$1"#$
4,&5,/6F$!"#$0.6?#,$&2$),#-(1$"&.,*$,#0.(,#-$1&$)&6%'#1#$1"#$4,&5,/6$(*$-#%#0-#01$&0$
%,#=(&.*'8$)&6%'#1#-$)&.,*#G&,MF$!"#,#$(*$0&$.%%#,$'(6(1$1&$1"#$0.6?#,$&2$2&.0-/1(&0$)&..*#*$
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1"/1\$)/0\$?#\$)&.01#-\$1&G/,-\$)&6%'#1(&0F\$X&G#=#,+\$&0'8\$T\$),#-(1\$"&.,*\$&2\$-&)1&,/'\$)&.,*#7*9\$/1\$

:1.-#01*\$G"&\$#01#.\$1"#\$%,&5./6\$6/8\$#/.0\$/0\$P-:\$(0\$:&.0*#'(05\$#0\$.&.1#\$1&\$1"#\$4*83\$-#5.##F\$

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- ; .)) #**2. '\$) & 6 % '#1(&0\$\&2\\$ a ,(11\#0\\$/0-\\$] ,/'\\$: & 6 %,\#''\#0*(=\#\\$PL/6(0/1(\&0*\\$)
- @\$2.''E1(6#\$(01#,0*''(%\$#L%#,(#0)#\$7BCCC\$''&.,*9\$

! "#\$2&''&G(05\$)&.,*#*\$)&0*1(1.1#\$1"#\$4*83\$%,&5,/6\$2&.0-/1(&0\$)&.,*#G&,MA\$

- P3[CDR.0-/6#01/'*&2%=##/,)"\$7K9
- P3[C[@-=/0]#-\$4*8]"&'&58\$&2\$X.6/0\$3#=#'&%6#01\$7K9\$\$
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- P3\$[K^\$: &50(1(=#\$@**#**6#01\$\$\$7K9
- $P3\DC\c/*()X.6/0\S01\#,/)1(\&0\TK9$
- P3\$\DD\$4*8)"&1"#,/%8\$2&,\$: "('-,#0\$7K9
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- P3\$\D^\$4,&2#**(&0/'\$],(#01/1(&0\$/0-\$P1"()*\$:'(0()/'\$U#01/'\$X#/'1"\$:&.0*#'(05\$7K9\$

 <u>'B</u>&
- P3\$YCD\$R&.0-/1(&0*\$&2\$;)"&&'\$4*8)"&'&58\$7K9
- P3%BK\$U/,,(/5#\$/0-\$R/6('8\$!"#,/%8\$7K9)
- P3\$\BN\$4*8)"&%/1"&'&58\$7K9
- P3\$\B[\$!#*1(05\$/0-\$@**#**6#01\$7K9\$
- P3\$BT\$@--()1(=#\$c#"/=(&,*\$7K9)
- P3\$YCN\$4#,*&0/'(18\$@**#**6#01\$\$\$7K9
- P3\$YC[\$W#.,&%*8)"&'&5()/'\$@**#**6#01\$\$\$7K9
- P3\$YBC\$; &)(/'H:..'1..,/'\$R&.O-/1(&O*\$&2\$: &.O*#'(O5\$/O-\$P-.)/1(&O\$7K9))
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- \circ #0#,/'\$ < P\$*)&, $\#*\$\#/,0\#-\$G(1"(0\$1"\#\$'/*1\$\lceil\$8\#/,*\$$
- O R&,\$*1.-#01*\$G"&*#\$0/1(=#\$'/05./5#\$(*\$0&1\$P05'(*"+\$#=(-#0)#\$&2\$ %,&2()(#0)8\$(0\$1"#\$P05'(*"\$'/05./5#F\$] 22()(/'\$*)&,#*\$2,&6\$1"#\$!#*1\$&2\$ P05'(*"\$/*\$\\$R&,#(50\$_/05./5#\$7!]PR_9+\$\$01#,0/1(&0/'\$P05'(*"\$ __/05./5#\$!#*1(05\$;8*1#6\$7\$P_!;9\$/0-\$1"#\$4#/,*&0\$!#*1\$&2\$P05'(*"\$ 74!P9\$/,#\$/))#%1#-F\$!"#\$4,&5,/6\$,#Q.(,#*\$6(0(6.6\$*)&,#*\$&2\$!]PR_\$ 7T[9+\$\$P!;\$7YFC9+\$/0-\$4!P\$7\\9\$
- \circ \$01#,=(#G\$G(1"\$6#6?#,*\$&2\$1"#\$:&,#\$R/).'18\$:&66(11##\$
- P=(-#0)#\$&2\$)&66(16#01\$1&\$1"#\$=/'.#*+\$5&/'*+\$/0-\$6(**(&0\$&2\$1"#\$4,&5,/6\$(0\$1"#\$;1/1#6#01\$&2\$4.,%&*#\$/0-\$'#11#,*\$&2\$,#2#,#0)#\$

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- @\$)&6%'#1#-\$\O-\$*(50#-\$&0'(0#\$\/%%'()\/1(&0+\$\/=\/('\?'#\$1",&.5"\$
- @\fDCCFCC\\O&OE,\#2.O-/?'\#\\%\\'()/1(\&O\\2\\\#\\\$
-] 22()(/'\$1,/0*),(%1*\$2,&6\$/''\$.0-#,5,/-./1#\$/0-\$5,/-./1#\$(0*1(1.1(&0*\$G"#,#\$1"#\$/%\'()/01\$"/*\$,#)#(=#-\$-#5,##*\$/0-H&,\$)&.,*#\$),#-(1\$
- @\$G,(11#0\$*1/1#6#01\$&2\$%.,%&*#\$1"/1\$,#2'#)1*\$&0\$1"#\$2&''&G(05A\$
 o @%%'()/01I*\$%,&2#**(&0/'\$#L%#,(#0)#\$/0-\$"&G\$(1

 $2\&,\$/-6(**(\&0\$1\&\$1"\#\$4,\&5,/6F\$R\&''\&G(05\$1"(*\$,\#=(\#G+\$1"\#\$]) 22()\#\$\&2\$`,/-./1\#\$@-6(**(\&0*\$012(\#*\$/\%\%'()/01*\$\&2\$1"\#(,\$/-6(**(\&0\$*1/1.*F\$@\%\%'()/01*\$6.*1\$/))\#\%1\$1"\#\$\&22\#,\$?8\$@\%,('\$D[^1F\$',''])$

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PO!#,(05$*1.-#0!*$/,#$,#Q.(,#-$!&$/!!#0-$/$%,&5,/6$&,(#0!/!(&0$!"/!$!/M#*$%'/)#$/!$<(=(#,$)
>0(=#,*(18$(0$!"#$*.66#,$&2$!"#$/)/-#6()$8#/,$%,(&,$!&$!"#$*1.-#0!I*$2(,*!$*#6#*!#,$&2$)'/**#*F$!"#$&,(#0!/!(&0$5#0#,/''8$!/M#*$&0#$&,$!G&$-/8*J$!"#$'#05!"$-#%#0-*$&0$!"#$*(0#$/0-$0##-*$&2$)#/)"$(0)&6(05$)'/**F$$

],(#0!/!(&0$?,(05*$!&5#!"#,$/''$0#G'8$/-6(!!#-$*1.-#0!*\$/'&05$G(!"$!"#\$3(,#)!&,$&2$!,/(0(05\$))*,#$$2/).'!8$6#6?#,*\$/0-$*#'#)!$&22()#,*$&2$<(=(#,$>0(=#,*(18$!&$(01,&-.)#\$*1.-#0!*$!&\$!"#$)&6?(0#-E(0!#5,/!#-5!,/(0(05\6.#"\$/0-$!"#$)..,().'.6$2&,\$!"#$4,&5,/6\$/*$G#''\$/*$!"#$,#*&..)#*\$6(**(&0\$/0-$%..,%&*#$&2$!"#$)>0(=#,*(18$)
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 $! "\#\$3 (,\#)1\&,\$\&2\$!, /(0(05\$G(''\$/**(50\$\#/)"\$(0)\&6(05\$*1.-\#01\$1\&\$/0\$/)/-\#6()\$/-=(*\&,F\$@)/-\#6()\$/-=(*\&,F\$@)/-\#6()\$/-=(*\&,*\$/,\#\$6\#6?\#,*\$\&2\$!"\#\$)\&,\#\$2/). '18F\$P=\#,8\$/11\#6\%1\$G(''\$?\#\$6/-\#\$1\&\$\%/(,\$*1.-\#01*\$G(1"\$2/). '18\$6\#6?\#,*\$G''&\$''/=\#\$*(6('/,\$(01\#,\#*1*\$/0-\$\#L\%\#,(\#0)\#*\$7(F\#F+\$)'(0()/'+\$,\#*\#/,)"9F\$;1.-\#01*\$6.*1\$6\#\#1\$G(1"\$1"\#(,\$/)/-\#6()\$/-=(*\&,*\$/1\$'\#/*1\$\&0\#\$1(6\#\$\#/)"\$*\#6\#*1\#,\$2\&,\$/-=()\#\$/0-\$)&0*.'1/1(\&0\$/*\$1"\#8\$\%,\&)\#\#-\$1",\&.5"\$1"\#\$4,\&5,/6F\$;1.-\#01*\$6\#\#1\$G(1"\$1"\#(,\$/-=(*\&,\$/*\$\%/,1$\&2\$)1"#$@00./'$<#=(\#G\$\%,\&)#**$7*##$E,30*&\#(XYYZ(E9\%/,30*&\#(J[(2##9"6(),+*,S9F\$!"#$3(,\#)1&,\$\&2\$)!,/(0(05\$(*\$/'*\&\$/=/('/?'#\$1\&\$6\##1)$G(1"\$/0-$/-=(*#\$*1.-#01*$&0$1"#(,$\,&5,,#**$(0$)&6%'#1(05$1"#(,$\)$

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! "#\$4,&5,/6\$(*\$-#*(50#-\$1&\$?#\$)&6%'#1#-\$(0\$0&\$2#G#,\$1"/0\$[\$8#/,*+\$(0)'.-(05\$/\$1",##E8#/,\$/)/-#6()\$,#*(-#0)8\$/0-\$/\$BCCCE"&.,\$(01#,0*"(%F\$@''\$*1.-#01*\$/,#\$#L#)1#-\$1&\$/11#0-\$2.''E1(6#+\$(0)'.-(05\$1"#\$2/''+\$*%,(05+\$/0-\$*.66#,\$*#6#*1#,*F\$!"#\$4,&5,/6\$,#Q.(,#*\$)&6%'#1(&0\$&2\$1"#\$2&''&G(05\$,#Q.(,#6#01*A\$)

- $R\&.O-/1(\&O\S)\&.,*#G\&,M\S7[Y\S),#-(1*\S\&,\S1"#(,\S\#Q.(=/'\#O19\S))$
- 3 & 1 & ... * G & ...
- 4,/)1().6\$#L%#,(#0)#*\$7\\$),#-(1*9\$
- ; .))#**2.'\$-#2#0*#\$&2\$/\$G,(11#0\$3&)1&,/'\$<#*#/,)"\$4,&\\#)1\\$7[\\$),#-(1*9\\$
- ; .))#**2.'\$)&6%'#1(&0\$&2\$:&6%,#"#0*(=#\$PL/6(0/1(&0*\$7C\$),#-(1*9\$
- @\$BCCC\$"&.,\$(01#,0*"(%\$7C\$),#-(1*9\$

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1,/0*2#,\$),#-(1*F$\$
SO-(=(-./'(@-&7-"4(&?(E09$1(?&-4/$72;;,#$*U(J9$/,#$2(''#-$&.1$?8$1"#$*1.-#01I*$/)/-#6()$
/-=(*&,$(0$)&''/?&,/1(&0$G(1"$1"#$*1.-#01$/0-$1"#$3(,#)1&,$&2$!,/(0(05F$4,&5,/6$&2$;1.-8$2&,6*$
/,#$M#%1$&0$2('#$(0$1"#$3 (=(*(&0$&2$P-.)/1(&0$/0-$: &.0*#'(05F$!"#$4,&5,/6$&2$;1.-8$2&,6$
*#,=#*$/*$/$%'/0$2&,$*1.-#01*$1&$2&''&G$*#6#*1#,$?8$*#6#*1#,F$$1$(*$*1,.)1.,#-$1&$#0*.,#$1"/1$1"#(,$
#-.)/1(&O/'$#L\%#,(#O)#$(*$).6.'/1(=#+\$*#Q.#O1(/'+\$/O-\$5,/-#-\$(O\$)\&6\%'#L(18F\\$!"\#\$2&,6\$6/8\$/'*&\$
"#'%$*1.-#01*$-#1#,6(O#$*#'#)1(&O$/O-$1(6(O5$&2$1"#(,$#'#)1(=#$)&.,*#*F$$1$(*$1"#$*1.-#011*$
<#=(#G+$1&$#0*..#$/0$/)).,/1#$=#,*(&0$(*$&0$2('#$G(1"$1"#$3(,#)1&,$&2$!,/(0(05F$
!"#N?%;,=%(,&#0'5#4,>,='9-,(*#'0#25'65+-#'0#)*?;3#
;1.-#01*$/O-$/)/-#6()$/-=(*&,*$/,#$#L%#)1#-$1&$/-"#,#$1&$1"#$2&"&G(05\$5.(-#'(0#*\$(0\$
-#=#'&%(05$4,&5,/6*$&2$;1.-8A$$
                     • ;1.-#01*$)&6%'#1#$2&.O-/1(&0$)&.,*#G&,M$?#2&,#$?#5(00(05$)&,#$)&.,*#G&,M$
                         ;1.-#01*$#0,&''$(0$0&$ 6 &,#$1''/0$2&.,$7N9$2&.O-/1(&O$)&.,*#*$\#,$*#6#*1#,$
                         ;1.-#01*$#0,&''$(0$0&$6&,#$1"/0$1",##$7K9$)&,#$)&.,*#*$%#,$*#6#*1#,$$
                         (1. -\#01*\$?\#5(0\$\%, /)1(). 6\$)\&.,*\#G\&,M\$(0\$1"\#(,\$*\#)\&0-\$8\#/,\$(0\$1"\#\$4,\&5, / 6\$))
                          7%,&=(-#-$1"/1$/''$%,#E,#Q.(*(1#*$/,#$6#19$
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                         ;1.-#01*$),#/1#$/$?/'/0)#-$4,&5,/6$&2$;1.-8$1"/1$(01#5,/1#*$)&.,*#G&,M+$
                          \%,/)1(). 6$\psi L\psi \psi,(\psi 0)\psi \psi \psi \quad \O$.\psi \quad \Q\psi \quad \Q\psi \quad \quad \Q\psi \quad \quad \Q\psi \quad \qquad \quad \qquad \quad \qquad \qu
                         ;1.-#01*$*"&.'-$.*#$1"#$)&,#$)&.,*#$&22#,(05$*)"#-.'#$7*##$2;;,#$*U(M9$1&$
                          -#1#, 6(0#\$1(6(05\$2\&,\$1"#\$)\&6\%'#1(\&0\$\&2\$)\&,#\$)\&.,*#*F$
."#$,*1';#'0#G(&*5?:*%'(##
4.&5./6$*1.-#01*$G(''$#0)&.01#.$=/,(&.*$6#1"&-*$&2$(0*1,.)1(&0$&=#,$1"#$)&.,*#$&2$1"#(,$*1.-(#*+$
(0)' . -(05\%0'(0#+\$"8?,(-+\$/0-\$2/)\#E1\&E2/)\#\$(0*1,.)](\&OF\$ 1 0'(0#\$)\&.,*#*\$-\&$O&1$ 6 ##1$&O$) / 6 %.*A$
/''$(0*1,..)1(&0$/0-$)&66..0()/1(&0$/6&05$1"#$*1.-#01*$/0-$?#1G##0$1"#$*1.-#01*$/0-$1"#$
6/0/5#6#01$1&&'*F$X8?,(-$)&.,*#*$#6%'&8$1''#*#$1&&'*+$/*$G#''$/*$,#5.'/,'8$*)''#-.'#-$2/)#E1&E
2/)#$ 6 ##1(O5*$&O$) / 6 % . *F$R/)#E1&$2/)#$) '/**#*$ 6 /M#$2 . ''$ . *#$&2$'#/,Q(O5$ 6 /Q/5# 6 #Q1$1&&'*F$
! "#$2&, 6 /1$2&,$2&. O - /1(&O$)&. , *#*$=/, (#*$#/) "$*#6 #*1#.F$; 1. -#O1*$*"&. '-$)&O*. '1$G(1"$1"#$
>0(=#,*(18$)&..*#$*)"#-.'#$/0-$1"#(,$/)/-#6()$/-=(*&,$1&$-#1#,6(0#$G"()"$)&..*#*$/,#$?#(05$
1/.5"1$(0$/$%/,1().'/,$2&,6/1$/0-$1"#$?#*1$1(6(05$2&,$#0,&''6#01$(0$#/)"$2&.0-/1(&0$)&..*#F$
a "#0$)&.,*#*$/,#$&22#,#-$(0$6&,#$1"/0$&0#$2&,6/1+$-&)1&,/'$*1.-#01*$*"&.'-$1/M#$"8?,(-$&,$
2/)#E1&E2/)#$)&.,*#*$G"#O#=#,$%&**(?'#F$
                                                                                                                                                        DN:
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*8''/?.*$2&,$1"#$)&.,*#J$/O-$7N9$/$)&%8$&2$1"#$2(O/'$1,/O*),(%1$2&,$1"#$)&.,*#$*"&G(O5$/$5,/-#$&2$
dce\&,\"(5"#,F\$
B"#C>,5>%,D#'0#8'?5&,&#
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4,&5,/6*\$&2\$;1.-8\$G(''\$=/,8\$?/*#-\$&0\$2&.0-/1(&0\$/0-\$1,/0*2#,\$),#-(1*\$/G/,-#-+\$/*\$G#''\$/*\$/-=(*&,\$ #% 6 6 #0 - #% 1" #% 6 (1'\$1/M#\$(01&\$)&0*(-#, #%)&. ,*#\$%, #,#Q. (*(1#*\$/0-\$1"#\$*1,.)1.,#\$&2\$1"#\$ 5 "0"6&7(KJCJD0JCJJL(/1A\$"11%*AHH)/1/'&5F.(=(#,F#-.H(O-#LF%"%\$\$

R&.O-/1(&O\$)&.,*#*\$6.*1\$?#\$)&6%'#1#-\$?#2&,#\$)&,#\$-&)1&,/'\$)&.,*#G&,M\$?#5(O*F\$!"#\$ c/*()\$: &01#01\$@,#/\$:'.*1#,\$/O-\$<#*#/,)"\$;#Q.#0)#\$6.*1\$?#\$2&''&G#-\$7*##\$-#1/('*\$?#\&G9F\$4,/)1().6\$#L\%#,(#0)#\\$/,#\\$1(#,#-\\$/0-\\$6.*\\\$?#\\$1/M#O\\$(O\\$O.6#,()/\\\$*\\$0.#O)#\\\\$/\\\$ -#*),(?#-\$(0\$1"#\$@-"30*394("#\$(Y#0, -#/:*;(!"#\$%&&'F\$3&)1&,/'\$<#*#/,)"\$4,&\#)1\$)&.,*#*\$,#Q.(,#\$)&01(0.&.*\$#0,&''6#01\$.01('\$1"#\$3&)1&,/'\$<#*#/,)"\$4,&\#)1\$(*\$ *.))#**2.''8\$-#2#0-#-\$/*\$-#*),(?#-\$(0\$1"#\$ I &30&-"6(),/, "-3:(@-&c,30(!"#\$%&& 'F\$\$

H"#25,5,F?%&%*,#8'?5&,&##

4,#,#Q.(*(1#\$: & . ,*#\$
P3\$[CD\$R.O-/6#01/'*\$&2\$<#*#/,)"h\$	P3\$^\N\$<#*#/,)"\$U#1"&-*\$/0-\$
	3#*(50\$(0\$4*8)"&'&58\$
P3\$[C[\$@-=/0)#-\$4*8)"&'&58\$&2\$	P3\^BC\3#=#'&\6#01/'\4*8)"&'\&58\\$
X . 6/0\3#=#'&\%6#0\lh\\$	
P3\$[K^\$: &50(1(=#\$@**#**6#01\$\$h\$	P 3 \$^DC\$: &50(1(=#\$@**#** 6 #01\$\$\$\$
P3\$\DC\$c/*()\$X.6/0\$\$01#,/)1(&0h\$	P3\$\DN\$: '(0()/'\$: &.0*#'(05\$! "#&,(#*\$
P3\$\DD\$4*8)"&1"#,/%8\$G(1"\$:"('-,#0h\$	P3\^D[\P=(-\pmu0)\pm\c /\pm\! ,\pm/16\pm\la\s: "('-,\pm\)
	/0-\$R/6('(#*\$
P3\$\D\\$`,&.%\$4*8)"&1"#,/%8h\$	P3\^DN\\;#6(0/,\(0\\^\&.\\\4*8)\\\1\\#,/\\8\\

 $P3\D^{4},\&2\#**(\&0/'),(\#01/1(\&0)/0-)$

P1"()*\$&2\$: '(0()/'\$U#01/'\$X#/'1"\$

: & . O*#'(O5h\$'B&&

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 $R\&. O-/1(\&O\$)\&.,*\#\$ 6.*1\$?\#\$)\& 6\%'\#\#-\$?\#2\&,\#\$)\&,\#\$-\&)1\&,/'\$)\&.,*\#*\$?\#5(OF\$R(218E2\&.,\$),\#-(1*\$\&2\$1"\#\$R\&.O-/1(\&O\$)\&.,*\#*\$\&,\$1"\#(,\$\#Q.(=/'\#O1\$/,\#\$,\#Q.(,\#-F\$U/O8\$2\&.O-/1(\&O\$)\&.,*\#*\$/,\#\$ \%,\#,\#Q.(*(1#*\$2\&,\$)\&,\#**)\&.,*#*F\$@''$2&.O-/1(&O\$)\&.,*#*$\%,\&=(-\#\$1.-\#O1*\$G(1"\$1"\#\$?/)M5,\&.O-\$ MO\&G'\#-5\#\$O\#)\#**/,8\$1\&\$\#O5/5\#\$(O\$"(5"\#,\$'\#=\#'\$1"(OM(O5\$(O\$1"\#\$)\&,\#\$)\&.,*\#*F\$R\&.O-/1(\&O\$)\&.,*\#*\$/,\#\$O&1\$\#=/'./1#-\$'\#/,O(O5\$HL\,#,(\#O)\#*\$1\&\$-\#6&O*1,/1\#\$6/*1\#,8\$&2\$-(*)(\%'(O\#\$*\))(2()\$MO\&G'\#-5\#\$\&,\$\%,\&2\#**(&O\$G(-\#\$)\&6\%\#1\#O)(\#*F\$R\&.O-/1(&O\$)\&.,*#*\$/,#\$/'*&\$\&\#O$1&\$U @$/O-$P-;$*1.-#O1*F$$

- P3[CDR.0-/6#01/'*\$&2\$<#*#/,)"\$7K9
- P3\$[C[\$@-=/0)#-\$4*8)"&'&58\$&2\$X.6/0\$3#=#'&%6#01\$7K9\$\$
- $P3[KC]@**#**6#01\&2$_#/,0(05b<#/-(05$3(*/?('(1(#*$7K9))))))$
- P3 [K^\$: &50(1(=#\$@**#**6#01\$\$\$7K9
- $P3\DC\c/*()X.6/0\SO1\#,/)1(\&O\7K9$
- P 3 \\ \DD\\$4*8) "&1"#, \/\%8\\$2&,\\$: "('-,\#0\\$7K9

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• P3\$^KD\$: '/**,&&6Ec/*#-\$@**#**6#01\$7K9\$
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- P3\\$^KB\\$: & 6 6.0(18\\$: &0*.'1/1(&0\\$7K9\\$
- P3\$^K[\$;)"&&'\$W#.,&%*8)"&'&58\$7K9\$

!M"#**4** ':*'5+=#**E**,&,+5:**1**#25'Q,:*#8'?5&,&## \$

 $; 1. -\#01^{\$}/, \#\$, \#Q.(,\#-\$1\&\$\#0,\&''\$(0\$/\$6(0(6.6\$\&2\$2(=\#\$),\#-(1^{\$}1\&G/,-\$1''\#(,\$3\&)1\&,/'\$<\#\#/,)''\$ \\ 4,\&\forall\#)1\$\$! "(*\$(0)'.-\#*\$/\$6(0(6.6\$\&2\$1G\&\$),\#-(1^{\$}2\&,\$1''\#\$-\#=\#'\&\%6\#01\$\&2\$1''\#\$\%,\&\%\&*/'\$/O-\$/\$ \\ 6(0(6.6\$\&2\$1'',\#\#\$),\#-(1^{\$}2\&,\$1''\#\$HL\#).1(\&0\$/O-\$-\#2\#0*\#\$\&2\$1''\#(,\$3\&)1\&,/'\$<\#*\#/,)''\$4,\&\forall\#)1\$\$ \\ :\&01(0.\&.*\$\#0,\&''6\#01\$(*\$\#L\%\#)1\#-\$(0\$?\&1''\$)\&.,*\#*\$.01('\$1''\#\$*.))\#**2.'\$-\#2\#0*\#\$\&2\$1''\#\%,\&\%\&*/'\$/O-\$1''\#\%,\&\forall\#)1\$\$1.-\#01*\$G(''\$/)),.\#\$6\&,\#\$1''/0\$1''\#\$,\#Q.(,\#-\$2(=\#\$),\#-(1^{\$}\$G/,-\$1'''\#(,\$-\&)1\&,/'\$,\#*\#/,)''\$\%,\&\forall\#)1\$\$\$$

- P3\^TB\3(,\#)1\#-\\$<\#*\#\,)\"\\$(0\\$4*8)\"\&\\&58\\$7B9\\\$
- P3\$^T\\$<#*#/,)"\$(0\$4*8)"&'&58\$7K9\$

!!"#25+:*%:?-#+(;#G(*,5(&1%9#8'?5&,&##

; (L\$%,/)1() . 6\$),#-(1*\$/,#\$,#Q.(,#-\$/O-\$6/8\$?#\$#/,O#-\$1",&.5"\$)&6%'#1(O5\$#(1"#,A\$7D9\$1",##\$ 2&.O-/1(&O\$%,/)1() . 6\$)&.,*#*\$7!(#,E]O#9\$/O-\$1",##\$)&,#\$

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• P 3 $^^\$: '(0()/'$S01#,0*"(%$7C9$
• P 3 $^^\$: '(0()/'$S01#,0*"(%$7C9$)

!."#8 '?5&,#<>+=?+*%'(#
!
: & .,*#$5,/-#*$,#%,#*#01$1"#$(0*1,.)1&,I*$/**#**6#01$1"/1$/$*1.-#01$"/*$-#6&0*1,/1#-$1"#$*M(''*$-#*),(?#-$?#'&G$/1$/0$/%,&%,(/1#$'#=#'$&2$/)"(#=#6#01$2&,$1"/1$)&.,*#F$;1.-#01*$/,#$,#Q.(,#-$1&$#/,0$/$6(0(6.6$5,/-#$&2$c$2&,$/''$4,&5,/6$)&.,*#*$72&.0-/1(&0$/0-$)&,#9F$;1.-#01*$/,#$,#Q.(,#-$1&$#/,0$/$6(0(6.6$5,/-#$&2$c$2&,$/''$4,&5,/6$)&.,*#*$7#F5F+$3&)1&,/'$<#*#/,)"$4,&V#)1$)&.,*#*9F$4'#/*#$
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\$ \$ BC

W&UOV&

SO-()/1#*\$1"/1\$1"#\$*1.-#01\$"/*\$(0*.22()(#01\$.0-#,*1/0-(05\$&2\$1"#\$)&.,*#\$6/1#,(/'\$/0-\$(0*.22()(#01\$.0-#,*1/0-(05\$&2\$1"#\$)&.,*#\$6/1#,(/'\$/0-\$(0*.22()(#01\$.0-#,*1/0-(05\$&2\$1"#\$)&.,*#\$6/1#,(/'\$%&\$)), #-(1\$(*\$5(=#0F\$!"(*\$5,/-#\$,#,#*#01*\$/\$2/('.,#\$1&\$)&6%'#1#\$)&.,*#\$,#Q.(,#6#01*\$/*\$/\$*1.-#01\$(0\$1"#\$4*83\$4,&5,/6F\$7W.6#,()/'\$#Q.(=/'#01&SCEYK9\$)

D&UOV&

 $SO_{()/1\#\$1"/1\$1"\#\$1.-\#01\$"/*\$\%/**\#-\$/\$)\&.,*\#\$\&,\$*.22()(\#01'8\$)\&6\%'\#1\#-\$/\$0\&0E5,/-\#-\$)\&.,*\#\$1"/1\$"/*\$?\#\#0\$-\#*(50/1\#-\$?8\$1"\#\$\%,\&5,/6\$2/).'18\$/0-\$"/*\$?\#\#0\$/\%,\&=\#-\$?8\$1"\#\$@)/-\#6()\$:\&.0)('\$2\&,\$4\R\\$5,/-(05\F\\!"\#\")).6.'/1(&0\$\2\$5,/-\#\$\2\$\/**749\(0\\,\&\&*/'\$/0-\$-(**\#,1/1(&0\\,\#\#/,))"\$-\&\#\$\0&\\(6\%'8\)\&6\%'\#1(&0\$\2\$1"\#\,\#\#/,)"\$\$-\#*\(0-()/1\#*/1(*2/)1\&,8\\,\&5,\#*\F\$TW.6\#,()/'\$ PQ.(=/'\#01\\\^NE^T9\$$

X &UOV&

 $\begin{array}{l} \text{SO-()/1}\#\$G(1"-,/G/'\$2,\&\,6\,\$/\$)\&\,.\,,*\#\#G"()"\$)/0\$?\#\$-\&\,0\#\$0\&\$'/1\#,\$1"/0\$1"\#\$1\#\,01"\$G\#M\$\&\,2\$/\$,\#5\,.'/,\$\\ \#\,6\,\#*1\#,\$\&,\$?8\$1"\#\$\#0-\$\&\,2\$1"\#\$2\&\,.\,,1"\$G\#\#M\$\&\,2\$/\$*\,.\,6\,6\,\#,\$^*\#**(\&\,0F\$\,3\,\#/-'(0\#*\$2\&,\$)\&\,.\,,*\#\$G(1"-,/G/'\$/2\&,\$)\&\,.\,,*\#\$G(1"-,/G/'\$/2\&,\$)\&\,.\,,*\#\$G(1"-,/G/'\$/2\&,\$)\&\,.\,,*\#\$G(1"-,/G/'\$/2\&,\$)\&\,.\,,*\#\$G(1"-,/G/'\$/2\&,\$)\&\,.\,,*\#\$G(1"-,/G/'\$/2\&,\$)\&\,.\,,*\#\$G(1"-,/G/'\$/2\&,\$)\&\,.\,,*\#\$G(1"-,/G/'\$/2\&,\$)\&\,.\,,*\#\$G(1"-,/G/'\$/2\&,\$)\&\,.\,,*\#\$G(1"-,/G/'\$/2\&,\$)\&\,.\,,*\#\$G(1"-,/G/'\$/2\&,\$)\&\,.\,,*\#\$G(1"-,/G/'\$/2\&,\$)\&\,.\,,*\#\$G(1"-,/G/'\$/2\&,\$)\&\,.\,,*\#\$G(1"-,/G/'\$/2\&,\$)\&\,.\,,*\#\$G(1"-,/G/'\$/2\&,\$)\&\,.\,,*\#\$G(1"-,/G/'\$/2\&,\$)\&\,.\,,*\#\$G(1"-,/G/'\$/2\&,\$)\&\,.\,,*\#\$G(1"-,/G/'\$/2\&,\$)\&\,.\,,*\#\$G(1"-,/G/'\$)\&\,.\,,*\#\$G(1"-,/G/'\$/2\&,\$)\&\,.\,,*\#\%G(1"-,/G/'2\&,\$)\&\,.\,,*\#\%G(1"-,/G/'$

YW&UOV&

 $SO-()/1#*\$1"/1\$1"#\$*1.-#01\"/*\S0&1\$5(=#0\$&22()(/'\$0&1(2()/1(\&0\$&2\$G(1"-,/G/'\$2,\&6\$/\$)&.,*#\$(0\$G,(1(O5F\$@O\$WR\$7/-6(O(*1,/1(=#\$2/('.,#9\$(*\$)&.01#-\$/*\$),#-(1*\$/11#6\%1#-+\$#Q./'\$1&\$/O\$R\$&0\$1"#\$*1.-#01I*\$,#)&,-F\$3#/-'(O#*\$2&,\$)&.,*#\$G(1"-,/G/'\$/,#\$'(*1#-\$(0\$1"#\$@)/-#6()\$:/'#0-/,\$#/)"\$*#6#*1#,\$&0\$1"#\$<(=(#,\$G\$?*(1#\$/1\\$)$

 $\frac{\text{"11\%*AHH}}{1} \frac{1}{\sqrt{5}}, (=(\#, \#, \# - . \#) \& 01 \# 01 \# \% i)}{1} \frac{1}{\sqrt{6}} \frac{1}{\sqrt$

A&UOV&

@\$*1.-#01\$(*\$#L%#)1#-\$1&\$)&6%'#1#\$1"#\$,#Q.(,#6#01*\$

 $"/*\$/\$ 6 (0(6.6\$'\#=\#'\$\&2\$/)"(\#=\#6\#01\$1"/1\$^1.-\#01*\$6.*1\$6\#1\$\%;1.-\#01*\$G"\&\$-\&\$0\&1\$\#/,0\$1"\#\$ 6 (0(6.6\$'\#=\#'\$\&2\$/)"(\#=\#6\#01\$^*\#1\$2\&,\$/\$'\#/,0(05\$\#L\%\#,(\#0)\#\$G(''\$,\#)\#(=\#\$-\#1/('\#-\$2\#\#-?/)M\$ 2,\&6\$1"\#\$:\&,\#\$R/).'18\$:\&66(11\#\#\$/0-\$6\#1\$G(1"\$1"\#(,\$/)/-\#6()\$/-=(*\&,\$1\&\$-(*).**\$*1\#\%*\$2\&,\$ (6\%,\&=\#6\#01\$\$c\#'\&G\$/,\#\$4,\&5,/6\$'\#/,0(05\$\#L\%\#,(\#0)\#*\$/0-\$6(0(6.6\$'\#=\#'*\$\&2\$/)"(\#=\#6\#01\$\$\$))$

#/,0(05\$PL%#,(#0)#\$	U(0(6.6\$_#=#'\$&2\$
	@)"(#=#6#01\$
: &,#\$: & . ,*#G&,M\$: &.,*#\$`,/-#\$c\$
S01#5,/1#-\$@**(506#01\$2,&6\$c/*()\$:&01#01\$@,#/\$:'.*1#,h\$	R/).'18\$ 1(05\$4/**\$\$</td
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a,(11#0\$: &6%,#"#0*(=#\$PL/6(0/1(&0A\$: "/05#\$! "#&,8\$4/%#,h\$	YC 1 \$;)&,#\$\$
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],/'\$:&6%,#"#0*(=#\$PL/6(0/1(&0\$\$	R/).'18\$ 1(05\$4/**\$</td
4,/)1().6\$4'/)#6#01*A\$;.%#,=(*&,\$P=/'./1(&0\$\$\$	U(0(6.6) 1(05)K)</td
	(O\$,#'#=/O1\$/,#/\$
SO1#,O*"(%A\$; . %#,=(*&,\$P=/'./1(&O\$;/1(*2/)1&,8\$
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3 &)1 &, /'\$ < #*#/,)"\$4, & \V#)1 \$\$	R/).'18\$ 1(05\$4/**\$</td
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!A"#8'-9,*,(:3#<>+=?+*%'(#

 $; 1. -\#01\$\%, \#\$, \#*\%&0*(?'\#2\&,\$G\&,M(05\$G(1''\$1''\#(,\$/-=(*\&,*\$/O-\$1''\#\$):\&,\#\$R/) .'18\$:\&6 6 (11\#\#\$1\&\$) -\#6\&0*1,/1\#\%,\&5,\#**\$1\&G/,-\$6\#\#1(05\$4,\&5,/6\$)\&6\%\#1\#0)(\#*F\$;1.-\#01*\$/)''(\#=\#\$1''(*\$?8\$)) &6\%('(05\$/O-\$\%,\#*\#01(05\$\#=(-\#0)\#\$2,\&6\$'\#/,0(05\$\#L\%\#,(\#0)\#*\$1\&\$2/) .'18\$-.,(05\$1''\#(,\$@00./'\$) <#=(\#G\$7*#\#\$E,30*&\#(XYYZ(E9\%/,30*\&\#(J[(2\##9''6(),+*,S9F\$!''\#\$,\#=(\#G\$\&2\$'\#/,0(05\$\#L\%\#,(\#0)\#*\$\$)) &,\&=(-\#*\$(02\&,6/1(\&0\$\&0\$^1.-\#01\$\%,\&5,\#**\$1\&G/,-\$4,\&5,/6\$)\&6\%\#1\#0)(\#*\$/O-\$\#'\#6\#01*F\$!''\#\$) : \&,\#\$R/) .'18\$:&6 6 (11##\$)&0*(-#,*$/''\$*.?6(11\#-\$\#=(-\#0)\#\$2,&6\$'\#/,0(05\$\#L\%\#,(\#0)\#*\$1\&\$\%,\&=(-\#\$K)/0**\$*.**$1&G/,-$#/)''\$#'#6#01$/O-$)&6\$#1#0)8F\$E09$,#0/(49/0(&\%0''*\#(''(-''0*\#7(\&?(M(K0:,(4*\#494(6,+,6(&?(''3:*,+,4,\#0L(\&-(\%,00,-(0&(\%,(4'''*\#7(''\$,W9''0,(5,-6,-6,+''\#0(&903\&4,/^R(!''\#\$}))))))))))))))))))))))))))))))))))$

\$ \$

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)&6%'#1#$/''$*#)1(&0*$&2$1"#$)&6%,#"#0*(=#$#L/6(0/1(&0$?#2&,#$1"#$3(,#)1&,$&2$!,/(0(05$)/0$
*(50$1"#$(01#,0*"(%$,#/-(0#**$2&,6F$!"#$2&,6$(*$/$%,#E,#Q.(*(1#$2&,$/%%'())/1(&0$1&$(01#,0*"(%F$$)$);
;1.-#01*$/,#$#'(5(?'#$1&$*(1$2&,$1"#$#L/6(0/1(&0*$/21#,$)&6%'#1(05$1"#$,#Q.(,#-$)&.,*#*+$'(*1#-$?#'&GF$;1.-#01*$6.*1$*.?6(1$1"#$G6*7*%*6*01(?&-(H-*00,#(5&4;-,:,#/*+,(GU"4*#"0*&#/(?&-4$72;;,#$*U(N9$1&$&?1/(0$2&,6/'$/%%,&=/'$1&$%/,1()(%/1#$(0$1"#$:&6%,#"#0*(=#$PL/6(0/1(&0$%,&)#*F$@'\$2&.0-/1(&0$)&.,*#*$7&,$1"#(,$#Q.(=/'#019$/0-$1"#$2&'\&G(05$)&,#$)&.,*#*$6.*1$?#$)&6%'#1#-$G(1"$/$5,/-#$&2$c$&,$?#11#,$?#2&,#$1"#$*1.-#01$(*$#'(5(?'#$1&$1/M#$1"#$a,(11#0$):&6%,#"#0*(=#$PL/6(0/1(&0&)$))

P3$^CD$X(*1&,8$/0-$;8*1#6*$
P3$^CD$X(*1&,8$/0-$;8*1#6*$
P3$^CD$X(*1&,8$/0-$;8*1#6*$
P3$^CS$;&5((!*&5())/$c/*#*$&2$c#"/=(&,$
P3$^CN$;&)(/'$c/*#*$&2$c#"/=(&,$
P3$^CN$;&)(/'$c/*#*$&2$c#"/=(&,$
P3$^CN$;&)(/'$c/*#*$&2$c#"/=(&,$
P3$^CN$;&)(/'$c/*#*$&2$c#"/=(&,$
P3$^C\$4*8)"&%/1"&'&58$/0-$$01#,=#01(&0*$$
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- $P3 \Lambda BDX \#/'1"$; #,=()#\$4*8)"&'&58\\P1"()*\$/0-\$;1/0-/,-*\$
- $P3\$^D[\$P=(-\#0)\#Ec/*\#-\$!,\#/16\#01\$\$:"('-,\#0\$/0-\$R/6('(\#*\$) K/\$))]$
- $P3^\Phi = (-\#0)\#Ec/\#-\$!,\#/16\#014\$@-.'1*\$$
- P 3 \$^DC\$: &50(1(=#\$@**#** 6 #01\$\$\$\$\$
- P3\$^DB\$4#,*&0/'(18\$@**#**6#01\$\$\$\$
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Elemen 7a.!"#\$%&'#(!%&6 - '(#45#&!5'!\$'%&4(#5'%*'0!-1!2-)!#2&*4!-)'!.&4(-'5+:3\$;#\$45+!2*(#-489!5##*#\$%&(9!5'%!7*5(&(!658!511&3#!2-)!#2&8!\$'%&4(#5'%!5'%!5'%!*'#&453#!)*#2!.&-.+&!%*11&4&'#!14-6!#2&6(&+,&(;!

Elemen 7b.!"#\$%&'#(!%&6-'(#45#&!/'-)+&%0&!-1!#2&!3\$44&'#!#2&-4&#*35+!5'%!&6.*4*35+!/'-)+&%0&!75(&!5(!*#! 4&+5#&(!#-!5%%4&((*'0!%*,&4(*#8!*'!5++!.4-1&((*-'5+!53#*,*#*&(!*'3+\$%*'0!4&(&54329!#45*'*'09!(\$.&4,*(*-':3-'(\$+#5#*-'9!5'%!(&4,*3&;!

Elemen 7c.!"#\$%&'#(!%&6-'(#45#&!#2&!57*+*#8!#-!*'#&045#&!5) 54&'&((!5'%!/'-) +&%0&!-1!*'%*,*%\$5+!5'%!3\$+#\$45+!

!

/ '

! ''''#\$%&'(FG*(H&7''27&/&2\$(:2357(

? . . 86"(7&89- . &(=#31*3#&#* . (P*+0 (@7-")MN6&# . \$A!

012%341!K7A38!	!	!	!	!	97138!	
! !						
c 37.!54!Z3<53N8!\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	!					
?@3!3<7=2715-4!-C!-21D-A3!D-A	;3134D53B	! -C!1@3	! Z5<53.!	>-24B3	=546! 74%! OD@=! UBLD@	@-=-6L!
U6.7A!5B! 54134%3%!1-!;<5%3	!C33% S 7DW	'!-4!B12	%341!;	-6.3BB!1-	-N7.%!7D@53<3A341!-C!	;6.7A!
D-A;3134D53B!74%!.3=713%!3=3A3	41BM! 012%3	341B!A2	B1! - S1754	4!7!C7D2	=1L!.71546!-C!*!!S3113	.!54!%3.
1-!S3!A7W546!7%3_2713! ;6.3BB	!5B!1@3!;	6.7A!l	- N 7.%!1@	3!S3=-N	!D-A;3134D53B!74%!3=3A	A341B!
/*01-&>'(J;(/*008.#>6&#	* . (6 . 9 (0 .	. &-+1-+	3*.6"(7)	H#""3!		
012%341B! %3<3=-;!1@3!7S5=51L!1	-!D-AA2	245D713!	74%! 2B3	3! 5413. ; 3	3.B-47=! BW5==B! 3CC3D15<3	3=L! 54!
54D.37B546=L! D-A;=3b!B512715-4	B! N 51@!54D).37B54 <i>6</i>	5!54%3;34	4%34D3N		
!						
! "- 0 &(J6; (012%341B!2	215=5d3!W4-	N=3%63	!74%!BW5	==B!1 - !%3	<3=- ;!74%!A7541754!300	3D15<3!
.3=715-4B@5;B! N51@!7!N	15%3! .7463	3! -C! 549	%5<5%27=1	B! 74%!;	%2D3!74%!D-A;.3@3	4%!7=E!
4-4<3.S7=E! 74%! N.51134	! D-AA24	4 5D 7 15 - 4	B!1@71!7.	3!54C <i>A</i>	A715<3!74%!N3=!54136.7	13%N!
!						
!"-0&(J%; (012%341B!%	3A-4B1.7	13!7!1@-	26@!6.	.7B;!-C!;	C3BB5-47=!=7462763!7	4%!
D-4D3;1B!N@5=3! %3A-4	B1.71546!30	C3D15<3	!5413.;3.	B-47=!BV	V5==B!	

! /(

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? . . 86"(7&89 - . &(=#31*3#&#* . (P*+0 (@P6>8"& 'MN6&# . $A!
!
012%341!K7A38!
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! ''''#$%&'(FF*(=321#77&2$9,(I29,7(9$%(!>\&8&\&#7(:235(
                            D+*)-33#*.6"(I*6"3(6.9(?>\&#4#\&#-3(
D"-63-(>*0\ 1"-\&-(6.9(38\%\ 0\ \#\&(\&*('*8+(?>69-0\ \#>(?94\#3*+()*+('*8+(?...86"(N-4\#-UF)((9.4\%\%)))))))))))
7189-.1(:60-;(<<<<<<<<
B-6+(#. (N-4#-U;(<<<<<<<())
(N!U=37B3!%3BD.5S3!L-2.!D7.33.!6-7=BM!!
) M!!U=37B3!%3BD.5S3!74L!.3B37.D@H.3=713%!7D15<5153B!L-2!@7<3!S334!54<-=<3%!54N!
*M!U=37B3!=5B1!74L!;.-C3BB5-47=!;2S=5D7I5-4B!L-2!@7<3!D-41.5S2I3%!1-!54!1@3!;7B1!L37.N!
"M!U=37B3!=5B1!74L!:.-C3BB5-47=!:.3B341715-4B!L-2!@7<3!65<34!54!1@3!:7B1!L37.N!
/M!U=37B3!=5B1!74L!D-4C3.34D3B!-.!N-.WB@-;B!L-2!@7<3!71134%3%!54!1@3!;7B1!L37.N!
+N!U=37B3!=5B1!74L!D-4C3.34D3B!-.!N-.WB@-;B!L-2!@7<3!=3%!54!1@3!;7B1!L37.N!!
+M!U=37B3!=5B1!7=!U.-C3BB5-47=eZ3B37.D@! \ .6745d715-4B!-C!N@5D@!L-2!7.3!7!A3AS3.M!!!
#\!\U=37B3\!=5B1\!7=\!=37\%3.B@5\;\.-=3B\!L-2\!@7<3\!@3=\\!54\!U.-C3BB5-47=eZ3B37.D@\\.6745d7\!5-4B\\!\
```

//

!'''#\$%&'(F**J***(**B**##\$32,, 5 #\$/(: 23 5 (

? 11"#>6&#* . ()*+(N-- . +*"" 0 - . &(!

!

: !D-A; = 313!.3 < 53N! - C!1@3!7; ; = 5D741JB!7D7%3A5D!.3D-.%!N5 = !S3!D-4%2D13%!SL!1@3! > -.3!P7D2 = 1L! > -AA51133! - C!1@3!U.-6.7A!N51@!1@3!7; ; .-<7=!-C!1@3!9374! - C!1@3!95 < 5B5-4

/+

!'''#\$%&'(FK*(@/?%#\$/(@#38&>#7(

```
7&89 - .&(7 - + 4#> - 3(

Z5 < 53 .! [ 45 < 3 .B51L!; . - < 5% 3B!7! < 7 .531L! - C!B|2% 34!!B3 . < 5D3B!1@71!D7S!43!C - 24%! - 4!1@3!Z5 < 53 .!N3SB5|3!7!!!
@11; B8eeD717 = -6% .5 < 53 .%3% 2eD - 4!34!%; @; gD7! - 5% h ( "Y47 < - 5% h ) '&#M!^4!7%%5!5 - 4E!B12%34!B!B@ - 2=%!S3!
7N7 .3! - C!!@3!C - = -N546E!!@3!%3!75-B! - C!N@5D@!D74!S3!C - 24%!7!!@3!7S - < 3!N3SB5!3%!!!

= #36%#"#&# - 3V7 1 - > #6"(: - - 93(
: !B12%34!!N@ -! .3 _ 25 .3B!B; 3D57=!B3 . < 5D3B!C - .!7! = 37 .4546! - .!; @LB5D7=! %5B7S5=5IL!5B! 34D - 2 .763%!1 -!
D - 417D!!!@3! \ CC5D3! - C! 9 5B7S5=5IL!03 . < 5D3B!7!G+ '*I!& ,#H&" ,#!1 - !54 _ 25 .3!7S - 21!B3 . < 5D3B!7 < 75=7S=3!1 -!
@3 = ; !!@3!B12%34!!B2DD33%!7D7%3 A5D7 = LM!!
(

P# .6 . > #6"(?#9(
U - 5D53B!74%!; . -D3%2 .3B!C - .!C5474D57=!75%!7 .3!7 < 75=7S=3!718!!!
@11; B8eeNNN%.5 < 53 .%3%2eC5474D57=!75%e!!
!

0 = (/6+93(
U .5 - .!! - !!@3!S36544546! - C!D=7BB3B!7=!43N'B12%34|B!A2B!! - S1754!7! < 7=5%! [ 45 < 3 .B51L!^9 E!N@5D@!5B!5BB23%!
```

SL!1@3! 93; 7.1A34!! -C!U2S=5D!07C31L!74%!03D2.51L

! ! /#

```
! "" \# \% \& ' (FL*(@/9/\#5 \# \$/(21(!>M\$2N,\#\%-\#5 \# \$/(21(!))))))))))))))))
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! /,