! "#\$%&\$'(#)"\* + %\$,"#'

-\*"./&\$,"#0'-\*" + "\$1\*2' 3 + %\*,1'4 %\*\$115'"6%\*\$11 7 /#%81./'
! ""\*.,#%\$"\*'")'9\$/.1#\$': &\$,;,\$,102'41&&%'4/0<5'0\$/.1#\$=\*">\*% +0 7 /#%81./'

(+="\*\$%#\$'?%\$10'

: 00'+11\$,#>0'A,00'\$%B1'=0%&1',#'\$<1'9C:'!<%+61\*0'

 $(\#\$1*10\$'D\ 11\$,\#>2'\ 3\&\$''61*'EE\#.'\ 7'\ F2GG=+'\\ H1>,0\$*\%\$,"\#2'\ 3\&\$''61*'EE\#.'\ 7'\ I2GG=+'\$''\ J''\ ;1+61*'KE\$<'\ 7'\ F2GG=+'\\ !\%=\$\%,\#'D\ 11\$,\#>'LK2'\ J''\ ;1+61*'KE\$<'\ 7'\ F2GG=+'\\ M,\#\%!N''>,0\$,\&0'\ ?/12'\ ?1\&1+61*'0\$<'\ 7'\ F2GG=+'P9/6+,\$'\ ?,>,\$\%@QR'\\ !\%=\$\%,\#'D\ 11\$,\#>'LE2'S\\#/\%'Q'K0\$<'\ 7'\ F2GG=+'\\ TTN\%0\$'+11\$,#>'\$'''&<\\#-2'\$\#'\$''1\$1\$1\$1\$1\$1\$''')'Q''/*'0<''AUTT'\\ M(J:N'!:-V:(J'DWWV(JC2'D''#.\%Q'M16*/\%*Q'X*.'\ 7'F2GG=+'$ 

H1<1%\*0%@'?%\$102'M16\*/%\*Q'O\$<'%#.'F\$<',#'J''\*\$''#':/.,\$''\*,/+')\*''+'O2GG=+'\$'''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%'''Y2GG=+'%'''Y2GG=+'%'''Y2GG=+'%'''Y2GG=+'%'''Y2GG=+'%'''Y2GG=+'%'''Y2GG=+'%'''Y2GG=+'%'''Y2GG=+'%'''Y2GG=+'%'''Y2GG=+'%'''Y2GG=+'%'''Y2GG=+'%'''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y2GG=+'%''Y

X8 W%&<'>\*''/='+/0\$'0/6+,\$'\%#',\$1+,i1.'\[0,0\\$'''/\\$\0,#,\#>'\&''+=\[1\\$1'\&''0\\$/+1'\&''0\\$0\\$'V<,0'+\\Q',\#\&\[0',1'0\&\*11\#0<''\\$05'''\*'f/''\\$10',\#\&\[0',.\#>'\\$<1'=\*,&1''')'\\$<1',\$1+0\8'

- O8 -\*"=d9&1#,&'1@1+1#\$0'%\*1'#"\$'=1\*+,\$\$1.'\$"'61'@1)\$',#'\$<1'6%&B0\$%>1'"\*'\$1&<#,&%@'%\*1%0',#5'"\*'%\*"/#.'J"\*\$"#':/.,\$"\*,/+8'V<,0',#&@/.10'\$<1'"/\$0,.1'0,.1A%@B0'%#.'&"\*\*.."\*0'%.h%&1#\$'\$"'\$<1')%&.@.\$08'
- F8 -1#%@\$Q')"\*'W: ! n',#)\*%&\$,"#'")'\$<1'9=1&,%@'H/@10'A,@@'\*1f/,\*1'%'+,#,+/+'")'F' 01\*:,&1'<"/\*0'-WH'(JMH:!V(3J8'
- I8 V<1'&1#\$\*%@'>"%@'")'9\$1='9,#>',0'\$<1'>\*"/='0,#>,#>'="\*\$,"#8'V<1\*1)"\*15'%\$'@1%0\$'F' +,#/\$10'P<%@)R'")'\$<1'\$1% + 0e'0<"A' + /0\$'61'1#\$,\*1'>\*"/=0'0,#>,#>'A,\$<"/\$'\$<1'/01'")' %'+,&\*"=<"#18''

### 3" 4\*.#!%#)

# '" 91@1&\$,"#)

- K8 9\$1='9,#>'A,@'61'h/.>1.'"#'1,\$<1\*'"#1'"\*'\$A"'#,><\$0'.1=1#.,#>'"#'h/.>1'
  %:%.@6.@.\$08'
- E8 : \$'@1%0\$'F'.#..;../%@0'A,@@'61'0&<1./@1.'\$"'h/.>1'\$<1'0<"APOR8'

### ." 9&"\*,#>2"

- K8 V<1'+%, + / + '0&"\*1'>, : 1#'60'1%&<'h/.>1'A,@'61'FG'=",#\$08'

- 08 1 <1#'\$<1'\*10/\$\$0'<%; 1'611#'10\$%66,0<1.5'\$<1Q'A,66'61'.10,; 1\*1.'\$'''\$<1'D%0\$1\*0''')'
  ! 1\*1 + "#0')"\*'%##" / #&1 + 1#\$8'

#### - " 1 .##1\*02'

- K8 (#'\$<1'%##"/#&1+1#\$'")'9\$1='9,#>' 1 ,##1\*05'"#@\'\$<1'=\%&1+1#\$\'")'\$<1'\$"='\$A"'\%&\9' ,#'\$<1'\N\\*>1'C\*"/='\\#. '9+\\@\'C\*"/='!\\\$1>"\\10'A,\@\61',\.1\\\$,),1\.8'
- E8 V\*"=<,10d=@%f/10'A,0@'61'%A%\*.1.')"\*'\$<1'\$"='\$A"'%&\$0',#'\$<1'N%\*>1'%#.'9+%0@'C\*"/='?;;,0,"#08'V<1'V\*%.,\$,"#%0'\$\*"=<Q'A,0@'61'%A%\*.1.'\$"'\$<1'N%\*>1'C\*"/='%#.'%'#1A'\$\*"=<Q'A,0@'61'%A%\*.1.'\$"'\$<1'A,##1\*'")'\$<1'0+%00'>\*"/='...;,0,"#8'
- X8 ()'\$A''''\*'0100'>\*"/=0'&"+=1\$1',#'%'.,;,0,"#5'"#0Q'\$<1'\$"='%&\$'A,00'61',.1#\$,),1.''
  ." -1"=01e0'!<",&1':A%\*.'
  - K8 : / .,1#&1'+1+61\*0'%\*1'%0B1.'\$"'."#%\$1'+"#1Q'\$"'\$<1,\*')%; "\*,\$1'>\*"/=e0'%&\$8'

- E8 W%&<'>\*"/=',0'\*10="#0,6@1')"\*'=\*";,.,#>'\$A"'6/&B1\$0'\$"'&"@@1&\$'+"#1\$%\*Q'
  ."#%\$,"#0')\*"+'%/.,1#&1'+1+61\*08'4/&B1\$0'+%Q'61'.1&"\*%\$1.'<"A1;1\*'\$<1'>\*"/='
  0110'),\$8'
- X8 W%&<'>\*"/=',0'\*10="#0,601')"\*'<%;,#>'E',#.,;,./%00'&"001&\$,#>'\$<1'."#%\$,"#0',#'\$<1' A,#>0'")' J "\*\$"#':/.,\$"\*,/+'61)"\*1'\$<1'=1\*)"\*+%#&10'1%&<'#,><\$8

# 3!!" ! 3 J ? `!V'

- : 8 ()'%'>\*"/='%..0'%#'1@1+1#\$'\$"'\$<1,\*'=1\*)"\*+%#&1'\$<%\$',0'.1\$1\*+,#1.'\$"'61',#%==\*"=\*,%\$15'\$<1' >\*"/=',#'f/10\$,"#'A,@'61'#"\$,),1.'")'\$<1'"))1#01',#'A\*,\$,#>'%#.'+%Q'61'\*1)1\*\*1.'\$"'\$<1' 3)),&1'")'9\$/.1#\$'!"#./&\$8'
- 48 V<\*"A,#>'%#Q'"6h1&\$0'P6""\$05'&%#105'1\$&8R',#\$"'\$<1'&\*"A.'"\*')\*"+'\$<1'0\$%>1',0'=\*"<,6,\$1.8' M%,0/\*1'\$"'%6,.1'6Q'\$<,0'\*/01'A,@'\*10/@\$',#'\$<1',#1@,>,6,@,\$Q'")'\$<1'>\*"/='\##.',\$0'=\\*\\$,&,=\#\\$0'

 $r \ 8 \ : \#Q', \#\$''\_, \&\%\$1.', \#., ;, ... /\%@0'A, @@'61'=1\#\%@, i \ 1.' /\#. 1*'\$<1' /\#, ; 1*0, \$Q'\%\#. '\%\#Q'\%==@, \&\%6@1' \\ !, ;, @d \ !*, +, \#\%@'\&'' ... 105'\%#. '\$<1'''*>\\#, i \\$, '\#'\$<1Q'*1=*101\\$'A, @@'61', + + 1., \\$\$1@Q'$ 

 $\label{eq:h1} H1>,0\$*\%\$,"\#'?1\%.\,\emptyset,\#12'\,J\;";1+61*'KE\$<'\%\$'F2GG=+'P<\$\$=02dd\&>\emptyset,\#B\$+1dE0Qd0ZXR'''\\ '\,!\,\%=\$\%,\#'\,D\,11\$,\#>'LK2'\,J\;";1+61*'KE'\%\$'F2GG=+'\,!<\%+61*0'''?\;`W2'''$ 

- K8 ?\*%)\$1.'!"0\$/+1'0B1\$&<10'
- E8 ? \*%)\$1.'-\*"='0B1\$&<10'P0/&<'%0'X?'0,i105'0<%=1'%#.'&"@"\*'")'1%&<'=\*"=R'
- O8 9\$"\*Q@,#1'.\*%)\$'P&%#'/O1'%'O&\*,=\$'.\*%)\$R'
- F8 V < 1 + 1'
- I8 (#\$\*"./&\$,"#0'\$"'0<"A'
- Z8 ?\*%), \$1+, i1.'@, 0\$'")'&"0\$/+1'&"0\$0'
- ^\ N,0\'\')'0"#>0'\"'61'/01.',#'0<"A'

Y8