```
8%91%'.!6%44*3*!
: *;(,)<*.)!%-!#-,'&(.(!/)01'*$!
: *;(,)<*.)!%-!2.34'$5!
                                                              ! %--'&*=!>?@A@>"AB"B?!
@>??!6%44*3*!/)()'%.!
                                                              ! !!!!-(C=!>?@A@>BAD?>D!!
8,0.$9'&E7! F 2!?G?""AHG@>!
                                                              )&5(EE(4 I J% 9 1%' . K*10!
L'\$')'. 3!#$$\\&'()*!+,\%-\*\$\%,7!2.34'\$5!
M*C(\$!\#!N!F!0.)*,.()'\%.(4!P.'Q*,\$')R7!/;,'.3!>?"@!
\#$'$)(.)!+,%-*$$%,7!#-,'&(.(!/)01'*$!(.1!2.34'$5!
8%91%'.!6%44*3*7!>??HA>?""!
8\%94'.3!S,**.!/)()*!P.'Q*,$')R7!>??@A>??H!
#$$'$)(.)!+,%-*$$%,7!2.34'$5!!
T'44'(<$!6%44*3*7!>??>A>??@!
L'\$')'.3!#$\$'\$)(.)!+,%-\$\$%,7!2.34'\$5!
8%91%'.!6%44*3*7!>??DA>??G!
L'$')'.3!U*&)0,*,7!2.34'$5!
T'44'(<$!6%44*3*7!>???A>??>!
```

#\$\$%&'()*!+,%-*\$\$%,1%-!#-,'&(.(!/)01'*\$!(.1!2.34'\$5! 65(',7!#-,'&(.(!/)01'*\$!

!

 $P.'Q^*, $')R!\% - !V\%, 5!6(,\%4'.(!()!65(;*4!W'447!"XXXA'))$

L'\$')'.3!/&5%4(,7!2.34'\$5!

>

```
 (\ .1!^{\}\&)'\% \ .7[!6\&\#<"l+@(-"\&(Ol-\&\$\#-,\$\&'(42(-"\&(/\&\$l+(!lFl\%()\#\$7!*1\&!6\%44**.!S4*..*R!8\%33\&|V*9!Y\%,E=!M5*!F\%1*,.!U(\ .30(3*!\#\$\%\&'()'\% \ .7!>?''\setminus\&!
```

- $Z \# J\%4')\%.!'.!)5*!\#3*!\%-! J(<(7[!/8&$l<\#+(0l-&$\#$=(91'-4$=(>HKD!^(44!a>?"Bb!))$
- $\bullet \quad \text{ZM5\%,*}(0`\$! \ F \ (' \ . *! \ T \ \%\% \ 1\$7[! \ 34\ ; \ *4l + (\ : \#@\#Nl + \&! \ H@\&D! \ / \ ; \ ,' \ . \ 3h \ / \ 0 < < * \ ,! \ a>? "Bb!"]$
- c*Q'*9!%-!9&\m(8&(-4(Gl+*(8=(O&4M\\&!JR!W*()5*,!#.1,*(!T'\4'(<\?1!>4,\\$+#\\42(-''\&(!IF\\())#\\$(B\\#!L\\4\!G\!V\\\!''!\af\04R!>?''G\\!
- Z^'.1'.3! (! W% < *!-%,! 2i0'(.%7[!'.!/MM\$4#<"&'(-4(6&#<"l+@(BP, l#+4L'(Q+-&\$&'-l+@(E#\$\$#-lF&?!*1\!!2,'&!U(<%,*\!P.'Q*,\$')R!\%-!M*..*\$\\$**!+,*\\$\7!>?"D\!!
- Zc*(1'.3!'.!/0))%.!2\!S,'33\\$7[!'.!\>18(!\\$4;?(01-\&\\$#-,\\$\&?(\#+*(-''\&(0\&\@#\<=(42(A,--4+(BC(D\\$1\@\@'\K!*1\\$\!M*\\$\!65(EE(4(E(4!(.1!\d*..*)5!\T!\T(,,*.\\!P.'\Q*,\\$')\R!\%-!\S*\,3'(!+,*\\$\?!\>?"\D\\!
- ZW(,,'*)!8**&5*,!/)%9*!()!>??7[!91'-4\$=(E&;'(E&-;4\$5!)]

! G

В

! @!

```
ZM5*!/4(Q*AF(,,'(3*!+4\%)[!\%.!E4F\&\%(34+*\#@\&(
                P. 'Q*, \$')R!\%-!V*9!W(<; \$5', *7!: 0,5(<7!VW7!^*JI!D7!>?">I!
ZM5*!/4(Q*AF(,,'(3*!+4\%))[!\%.!E4F\&\%(34+*\#@\&(
                P.'Q^*, S'R!\%-!V\%, S!6(,\%4'.(7!65(,4\%))*7!V67!^*JK!>H7!>?">K!
Z]-!F(E'.3!F(.R!8\%E\$=!/0))\%.!2<math>\mathbb{N}!S,'33\mathbb{N}!(.1!)5*!+4*(\$0,*!\%-!c*(1'.3<math>\mathbb{N}[!])
                P.'0^*, S')R!\%-!d^*.)0\&ER7!U^*C'.3)\%.7!dY7!V\%0^*< J^*, !"B7!>?"?7!!!
!!
ZT5R!/0))%.!2I!S,'33$!F())*,$7[!F%1*,.!U(.30(3*!#$$%&'()'%.!6%.Q*.)'%.7!
T (\$5'.3)\%.7! : \$6\$7!f(.0(,R!H7!>?>>\$!)
o65(.4*$!65*$.0))\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\)\(\delta\
F^{**})'.37!f(.0(,R!@7!>?>"!
ZT'44'(<!T*44\$!8,\%9.^{\$}!E\&@\$4(l+(-''\&(/8\&\$l<\#+(U\&W\&Ml4+[=!\#!c*(1'.3\$!c\%0.1)(J4*!\%-!)])
                )5*!6'Q'4!T(,!6(0&0$7!F'19*$)!F%1*,.!U(.30(3*!#$$%&'()'%.7!65'&(3%7!0U7!
!
                V\%0*<J*,!"GA"@7!>?"XX!
0.\$)')0)'\%.7!/*;)*<J*,!>@A>X7!>?"X!
Zc*(1'.3!(.1!c*(4'\$<=!65(,4*\$!65*\$.0))^\$!:'(,R7[#c*(1'.3!V\%9=!+,(\&)'\&*\$7!+*1(3\%3R7!))^*]
                +,%-*$$'%.#6%.-*,*.&*$#8*.ASO,'%.!P.'Q*,$')R7!8**,$5*Q(7!0$,(*47!fO.*!>\A>H7!
                >?"HK!
Z65(,4*$!65*$.0))`$!W%<*,7[!6"X=!M5*!/%&'*)R!%-!V'.*)**.)5A6*.)0,R!#<*,'&(.'$)$7!
                #4J0i0*, i0*7!V*9!F*C'&\%7!F(,&5!>"A>B7!>?"H!
Z65(,4*$!65*$.0))=!M5*!U'-*7[!#<*,'&(.!U')*,()0,*!#$$%&'()'%.!6%.-*,*.&*7!8%$)%.7!F#7!
                F (R7!>GA>H7!>?"@!
Z65*$.0))`$!M,(Q*4! T,')'.3$7[!/%0)5*,.!#$$%&'()'%.!%-!#<*,'&(.!/)01'*$7!6%44*3*!%-!
!
                !T'4'(<!(.1!F(,R7!F(,&5!DAB7!>?"@K!
c\%0.1)(J4*!+(,)'\&';(.)7!ZS*.,*!(.1!T\%,41<(E'.37[!\&"X=!#$$\%&'()'\%.!\%-!"X!"A\&*.)0,R!
                \# <^*, \& (.'\$)\$7! +^*..\$R4Q(.'(!/)()^*!P.'Q^*,\$')R7!F(,\&5!''@A>''7!>?''\setminus X!
Z65(,4*$!65*$.0))`$!20,%;*(.!f%0,.(4[!
                6##c!a6\%44*3'0<!-\%,!#-,'&(.!#<*,'&(.!c*$*(,&5b7!U'Q*,;%%47!2.34(.17!f0.*!>GA))
                >XX!
!
```

```
ZM5*!V\%Q*4\$!\%-!/0)%. !2X!S, '33\$=!\#!6, ')'\&(4!21')'\%. [!
        FU\#!aF\%1^*, !U(.30(3^*!\#\$\%\&'()'\%.b!6\%.Q^*.)'\%.7!8\%\%)\%.7!f(.0(,R!DA\7!>?"D!
65(',7!Z\#-,'\&(.!\#<*,'\&(.!c*(1*,\$!\%-!)5*!+(\$)-!0.)*,;,*)'.3!M,(\&*\$!\%-!F(,3'.!(.1!6*.)*,[!
        \#/\#!a\#<*, \ (.!/)01'*\$!\#\$\%\&'()'\%.b!6\%.Q*.)'\%.7!/(.!f0(.7!+0*,)\%!c'\&\%7!
        V\%Q*<J*,!"BA"H7!>?">!
c\%0.1)(J4*!+(,)'\&';(.))?!Z6\%44\%iOR!\%.!L6!\%(V\&\#-''(4\$(V1'-\#+<\&(V4(Y'(O\#\$-.(O4F\&(\#+*(V4(V1'))))))))))))
        (:#$$1#@&(1+(/2$1<#+(/8&$1<#[!
        M, '0 < ; 5!' . ! FR! / \% . 3 = ! "H!"! ( . 1! "X!"! 6 * . ) 0, R! \# -, '\& ( . ! \#) 4 ( . ) '\& ! 604) 0, *7! W' \$) \%, R! N!!
        +*, -\%, <(.\&*7!6\%44*3*!+(,E7!F:7!F(R!D"Af0.*!>7!>?">!
ZM*44'.3!')!U'E*!')!T($=!M%0,3**`$!c5*)%,'&!%-!#-,'&(.!#<*,'&(.!c'35)$[!]
        6"X=!M5*!/\%\&'*)R!\%-!V'.*)**.)5A6*.)0,R!\#<*,'\&(.'$)\$!6\%.-*,*.\&*7!8*,E*4*R7!6\#7!
!
        #;,'4!">A"B7!>?">!
Z/O))%.!2\mathbb{K}!S,'33\mathbb{K}!(.1!84(&E!c*(1*,\mathbb{K}!()!)5*!MO,..!%-!)5*!>?!"!6*.)0,R\mathbb{K}[!
        #;,'4!\AX7!>?""!
!
```

X

"?

```
! ZM5*!U*3(&R!%-!P.&4*!M% < [!a886!c(1'%!G7!V%Q* < J*,!>B7!>?"Db!
```