



# ARTS3270

F YZYW]b[ 'cb' < ]ghcf]Yg'UbX' < ]ghcf]Ubg. '7 UdghcbY

GYa YghYf'C.bY''##'&\$%

7ci fgY`Cj Yfj ]Yk

`GHUZZ7cbhUWhi8YHU]`g`

`7cbj Ybcfg`

| B Ua Y               | 9a U]`                         | 5j U]UV]]m  | @cWUhc b                 | D\cbY                                  |
|----------------------|--------------------------------|---|--------------------------|--|
| B]Wc`Ug`F Uga i ggYb | B"F Uga i ggYb4 i bgk "YXi "Ui | &.' \$(. .\$ \$'A cbXUm g<br>]b`hYUWk]b[ `k YY_g<br>fUbX`Vm<br>Uddc]bha YbĤ | A cfj Yb`6fck b<br>' %(` | - ' , ) !& ` * %<br>fbc<br>a YggU[ YgĤ |

GWXcc``7cbhUWhi`bZcfa Uhjcb

GWXcc``cZ<i a Ub]hYg`UbX`@Ub[ i U[ Yg

@cWUhc b. `GWXcc``C Z]WZ`A cfj Yb`6fck b`6i ]X]b[ ž@Yj Y``&ž&),

C dYb]b[ `<ci fg. `A cbXUm! : f]XUmž- Ua `!(. (.) da

D\cbY. `ž\*%&`- ' , ) `\* , %

: U! . ž\*%&`- ' , ) ; +\$)

9a U]: [\U`4 i bgk "YXi "Ui](#)

5hY`bXUbW`F Yei ]fYa Ybhg

5`ghi XYbh]g`YI dYW`X`fc`UhY`bX`U``WUgg`Wc`bUWhi`ci fg`Zc`f`U`ZUW`!fc!ZUW`fi &: E`cf`V`Yb`XYX`Wci fgY`UbX



7 ci fgY'8YHJ]`g

7 fYX]hDc]bhtg`\*`

Gi a a UfmicZ`h`Y`7 ci fgY

Gi V`Y`W`h`5`f`Y`U`.<`]g`h`c`f`m`i`

⊕`h`j`g`W`d`g`h`c`b`Y`W`e`i` f`g`Y`m`c`i` `k` ]`" `⊕`]b`U`" `h`Y`c`h`Y`f`g`h`i` X`Y`b`h`g`a` U`c`f`]b[ `]b`<`]g`h`c`f`m`i`]b`U`k` Y`Y`\_`m`g`Y`a` ]b`U`f` X`Y`g`[ `b`Y`X`h`c`V`f`]b[ `W`e`Y`f`Y`b`W`W`h`c`m`c`i` f`d`f`Y`j` ]c`i` g`g`h`i` X`m`i`c`Z`h`Y`Z`Y`X`" `<`Y`f`Y`m`c`i` `k` ]`" `f`Y`Z`Y`W`h`c`b`h`Y`Z` b`X`U`a` Y`b`h`U` d`f`]b`W`d`Y`g`c`Z`h`Y`X`]g`W`d`]b`Y`Z`h`c`[ `Y`h`Y`f`k` ]h`h`Y`g`c`W`U`" `U`b`X`Y`h`j`W`U`" `]a` d`]W`h`j`c`b`g`c`Z`d`U`f`h`j`W` `U`f`U`d`d`f`c`U`W`X`Y`g`h`c` h`Y`d`f`U`W`h`j`W` `c`Z`<`]g`h`c`f`m`i` `F`Y`U`X`]b[ `g`Z`X`]g`W`g`g`]c`b`U`b`X`Z`Y`X`k`c`f`\_`U`f`Y`Z`c`W`g`Y`X`c`b`X`Y`j`Y`c`d`]b[ `U`d`d`f`Y`W`U`h`j`c`b`c`Z`h`Y` f`c`Y`c`Z`h`Y`]g`h`c`f`]W`" `b`c`k` `Y`X`[ `Y`]b`i` b`X`Y`f`g`h`U`b`X`]b[ `U`b`X`]b`Z`i` Y`b`W`]b[ `c`i` f`W`e`b`h`Y`a` d`c`f`U`f`m`k`c`f`X`" `M`c`i` `k` ]`" `Y`i` d`c`f`Y` h`Y`c`f`[ `]b`g`Z`U`[ `Y`b`X`U`g`Z`U`b`X`a` Y`h`c`X`c`c`[ `]Y`g`V`Y`h`]b`X`U`b`i` a` V`Y`f`c`Z`\_`Y`m`W`e`b`h`Y`a` d`c`f`U`f`m`h`Y`]g`h`c`f`]W`U`" `U`d`d`f`c`U`W`X`Y`g`Z` U`b`X`h`Y`W`e`b`f`c`j` Y`f`g`]Y`g`h`Y`m`U`j`Y`g`d`U`f`\_`Y`X`k` ]h`]b`h`Y`X`]g`W`d`]b`Y`" `M`c`i` `k` ]`" `W`e`b`g`]X`Y`f`h`Y`k` U`m`g`h`]g`h`c`f`]U`b`g` U`X`U`d`h`h`Y`f`d`f`c`Z`Y`g`g`]c`b`U`d`f`U`W`h`j`W`g`h`c`d`i` V`]W`Y`b`[ `U`[ `Y`a` Y`b`h`h`f`c`i` [ `h`a`i` g`Y`i` a` g`Z`h`Y`Y`b`h`Y`f`h`U`]b`a` Y`b`h`]b`X`i` g`h`f`m`Z` U`b`X`h`Y`W`e`i` f`h`g`" `M`c`i` `k` ]`" `U`g`c`Y`i` d`Y`f`]Y`b`W`h`Y`Z` b`X`U`a` Y`b`h`U`h`U`g`\_`c`Z`h`Y`h`]g`h`c`f`]U`b`h`f`c`i` [ `h`m`c`i` f`c`k`b`i`f`Y`g`Y`U`f`W`X` d`f`c`Y`W`h`Z`f`U`a` ]b[ `U`e`i` Y`g`h`]c`b`U`V`c`i` h`h`Y`d`U`g`h`h`U`h`W`U`b`V`Y`U`X`X`f`Y`g`g`Y`X`V`m`i`f`Y`W`e`b`g`h`f`i` W`h`]b[ `d`U`g`h`Y`j` Y`b`h`g`Z`f`c`a` d`f`]a` U`f`m`g`c`i` f`W`g`Z`k`h`]Y`Y`b`[ `U`[ `]b[ `k` ]h`f`Y`W`h`b`h`g`W`X`c`U`f`g`h`d`]b`m`c`i` f`]b`h`Y`f`d`f`Y`h`U`h`j`c`b`c`Z`h`Y`g`Y`Y`j` Y`b`h`g`" `

5 h`h`Y`W`e`b`W`i` g`]c`b`c`Z`h`j`g`W`e`i` f`g`Y`h`Y`g`h`i` X`Y`b`h`k` ]`" `V`Y`U`V`Y`h`c`

%` Ya` d`c`m`U`b`X`Y`j`U`i` U`h`Y`a` U`c`f`d`f`]b`W`d`Y`g`U`b`X`a` Y`h`c`X`c`c`[ `]Y`g`k` ]h`]b`h`Y`X`]g`W`d`]b`Y`c`Z`h`Y`]g`h`c`f`m`i`" `&` X`Y`a` c`b`g`h`U`h`Y`U`W`h`j`W`U`" `i` b`X`Y`f`g`h`U`b`X`]b[ `c`Z`h`Y`g`c`W`U`" `U`b`X`Y`h`j`W`U`" `]a` d`]W`h`j`c`b`g`c`Z`d`U`f`h`j`W` `U`f` d`f`c`Z`Y`g`g`]c`b`U`d`f`U`W`h`j`W`g`U`a` c`b[ `h`]g`h`c`f`]U`b`g` ` ` " ]X`Y`b`h`Z`h`i`a`i` `h`d`Y`Z`c`f`a` g`c`Z`h`Y`]g`h`c`f`m`i`]b`h`Y`d`i` V`]W`X`c`a` U`]b`Z`U`b`X`Y`j`U`i` U`h`Y`h`Y`a` `]b`" ]h`c`Z`d`f`c`Z`Y`g`g`]c`b`U` g`h`U`b`X`U`f`X`g`c`Z`g`W`X`c`U`f`g`h`d`]b`U`b`X`Y`h`j`W`U`" `V`Y`h`U`j`]c`i` f` ` (" X`Y`g`[ `]b`U`b`X`W`e`b`X`i` W`h`U`b`]b`X`Y`d`Y`b`X`Y`b`h`f`Y`g`Y`U`f`W`X`d`f`c`Y`W`h`

Yb[ U[ Ya Ybh]b`hY`X]gW`gg]cb" `Hc`ja dUfh]bg][ \h]bhc` \]ghc`fmfg`gcWU`fc`Yz`hYfY`k`j` VY`Ub`YI`YfW]gY  
fYei`]f]b[ `mci` `hc`Uhh`bX`cbY`cZU`ZYk`XYg][ bUH`X`a`i`gYi`a`YI` \]V]hg`UbX`hc`UbU`mgY`]hg`fYdfYgYb`hU]cb`cZ`hY  
dUghVc`h`]b`hYfa`g`cZ`hY` \]ghc`f]WU`g`Wk`c`Ufg` \]d`cb`k` \]Wk`]h]g`VUgYXz`UbX`cZ`hY`XYa`UbXg`d`UW`X`cb  
 \]ghc`fmVm]hg`di`V`]Wg`UbX`]bgh]h`h]cbg" `H\]g`a`i`gYi`a`YggUmUgg][ ba`Yb`ha`Um`VY`Wc`a`d`Yh`X`]b`Wc`U`Vc`f`U]cb  
k`]h`Ub`c`h`Y`f`gh`XY`b`h`z`Y`b`U`V`]b[ `mci` `hc`g`U`f`Y`]bg][ \hg`UbX`hc`Ya`d`cm`h`Ua`k`c`f`\_`]b`YI`d`c`f]b[ `UbX  
XcW`a`Yb`h]b[ `a`i`gYi`a`gdUW`":`]bU`mz`]b`U`fYgYUfW`YggUm`d`f`c`Y`Wz`mci` `k`j`YI`dYf]YbW`h`Y`VUg]W`hUg`\_`cZ  
h`Y` \]ghc`f]WU`W`U`Z`z`W`Y`U`h]b[ `U`ei`Y`gh]cb`UbX`Wc`b`gh`f`i`W]b[ `Ub`U`W`Wc`i`b`hc`Z`d`U`gh`Y`j`Y`b`hg`V`U`g`Y`X`cb`Y`j`]X`Y`b`W  
mci` `a`i`ghX]g`Wc`j`Y`f`Z`c`f`mci`fgY`Z`-]bW`i`X]b[ `h`Y`i`gY`c`Z`d`f]a`U`f`m`g`c`i`f`W`X`c`W`a`Y`b`hg`!!`h`i`g`Y`U`f`b]b[ `Z`f`gh`UbX  
h`Y`d`f`c`W`gg`Y`g`UbX`Wc`b`gh`f`U]b`hg`g`U`d]b[ `ci`f`d]W`i`f`Y`g`c`Z`h`Y`d`U`gh`i`

## 5ggYgga Ybh

8YHU]YX[ i ]XYg'hc'Vch'hAY'A i gYi a '5gg][ ba YbhUbX'F YgYUfW'9ggUmUggYgga Ybtk'k ]''VY'dcgHYX'cb  
 A ccX'Yz'U'cb[ 'k ]h' [ i ]XUbW'cb'W]h]cb'dfcW'Xi fYgz'UbX'hAY'a Uf\_]b[ 'fi Vf]Wg'gc'hUhmci 'a UmigYY'hAY  
 XYHU]YX'W]h]f]U'Vmimci f'k cf\_'k ]''VY'↑ X[ YX''7 ]h]cbg'hc'dYf]cX]W'UbX'g]a ]'Uf'df]a Ufmigci fW'g'i gYX']b  
 hAY'F YgYUfW'9ggUma i gh]bW'XY'Z''X][ ]h]'UXXfYggYg'hc'hAY'XcW'a Ybtk'Ug'k Y''Ug'ghUbXUfX'df]bh  
 ]bZcfa U]cb"

## 5ggYgga YbhHUg\_g'

| 5ggYgga YbhHUg_            | K Y][ \h | 8i Y'8UH'                        | Gh XYbh@YUfb]b[<br>Ci hW'a Yg'5ggYggYX |
|----------------------------|----------|----------------------------------|--|
| A i gYi a 'j ]g]hUbX'YggUm | ' \$i    | &- # \$ #&\$% '\$( . \$ \$ 'DA   | %ž&ž ž                                 |
| F YgYUfW'9ggUm             | ) \$i    | ' \$ # \$ #&\$% '\$( . \$ \$ 'DA | %ž&ž( ž                                |
| h'WUgg[ fci d'k cf_'       | &\$i     | Bch5dd']WVY                      | %ž&ž)                                  |

## 5ggYgga Ybh8YHU]g

5ggYgga Ybh% 'A i gYi a 'j ]g]hUbX'YggUm

GHUfhXUH'. Bch5dd']WVY

@Yb[ h. '\$\$\$\$k cfXg'f% '\$\$'a U] ]a i a Ł

8YHU]g. : ]Y'X'f]d'hc'\]g]h]W'YI \]V]hUhU''cW'ia i gYi a 'UbX'UbU'm]g'hAYfYcZ'k ]h'a Uf\_g'UbX'W'a a Ybtk  
 cb'fYgi 'h]b[ 'YggUm'cZ%'\$k cfXg'a ]b''7 Ub'VY'WUff]YX'ci hW'UVcfU]h] Y'm]b'dU]fg'fk ]h'W'!Ui h'cfYX  
 YggUmž'a Uf\_g'UfYXŁ'

## 5XX]h]cbU'XYHU]g.

: cf'&\$% žhAY'A i gYi a '5gg][ ba YbhA I GH'VY'WUff]YX'ci hW'UVcfU]h] Y'm]b'dU]fg''hX]j ]Xi U'm  
 Ui h'cfYX'gi Va ]gg]cbg'k ]''VY'dYbU]gYX') i 'ci hcZ'hAY'dcgg]V'Y' \$i ''7 c''UVcfU]h]b[ 'dUf]bYfg'k ]'  
 gi Va ]h'89BH=7 5@W'!Ui h'cfYX'YggUm] UbX'g\UfY'hAY'gUa Y'a Uf\_''

: ]fghžZ]bX'U'dUf]bYfz'UbX'W'ccgY'cbY'cZ'hAY'\]g]h]W'ia i gYi a 'YI \]V]h]g'hAY' ]b'A ccX'Y'hc'j ]g]h'dfYz'fU'V'm  
 Uh'hAY'YbX'cZ'hAY'gYW'bx'k YY\_'cZ'h'fa 'k \Yb'hAY'hc'd]WUbX'UggYgga Ybhk ]''VY'X]gW'ggYX']b'WUgg''Mci  
 k ]''hU\_Y'bch]g'UbX'dYf'Udg'd]W'h'fYg'gi ]hU'V'Y'hc'XcW'a Ybhimci f'k f]h]!i d''Mci 'k ]''U'hfYI d'cfY'hAY  
 fYgYUfW''h]fU]h'fY'i bXYf'm]b[ 'gca Y'cZ'hAY'YI \]V]h]UbX']XYbh]ZmU'W'cb]f]c] Yfg]U'gh]UbW'hU\_Y'b'Vm'hAY  
 a i gYi a #W'fU]h'f]b'dfYgYb]h]b[ 'hAY'dUgh]f]cZ'k UhW'ci hZ'f''Z'f'hAY'fYUX]b[ ''W]h]cbg'k \Yb'Uh'hAY'YI \]V]h]h'  
 Mci 'k ]''k f]h]Ub'YI h'YbYX'fYzYW]cb'd]YW'žk \]W'g'ci 'X'UXXfYgg'hAY'gh]UbW'hU\_Y'b'Vm'hAY'a i gYi a ' ]b'hAY  
 W'cb]f]c] Yfgm]UbX'a cfY[ 'YbYfU'm'hAY'k Um'hAY'dUgh]g'fYd'fYgYb]h]X' ]b'hAY'W'cb]h]h'hcZgW'c'Uf'm]h]fU]h'fY'cb  
 hAY'gUa Y'hc'd]W'8YHU]YX[ i ]XUbW'cb'h]g]Ugg][ ba YbhUbX'YggUm]k ]''VY'dfc] ]YX' ]b'WUgg'UbX' ]b'U'k f]h]Yb  
 5ggYgga Ybh; i ]XY'hc'VY'dc]g'hAY'cb'A ccX'Y'Vm'hAY'VY[ ]bb]b[ 'cZk YY\_'&''Mci 'a i gh[ c'hc'cbY'cZ'hAY  
 ]g'hAY'Y][ ]V'Y'YI \]V]h]cbgž'cf'Y'gY'fYW]] Y'BC'7F98'H'Z'f'hAY'Ugg][ ba Ybh'

Gi Va ]gg]cb'bch]g.A I GH'VY'WUff]YX'ci hW'UVcfU]h] Y'm]b'dU]fg/YUW'dUf]bYf'gi Va ]h]Ub'89BH=7 5@

YggUmUbX'k ]`g\UfY'hY'gUa Y'a Uf\_"

Hi fb]hb'gYhb[ . 'H\]g'Ugg][ ba Ybh]g'gi Va ]mYX'h'fci [ \ 'Hi fb]hb'UbX'gh XYbhg'Xc'bcHgYY'Hi fb]hb  
g]a ]Uf]mfYdcfng"

# Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Gh XYbng`UFY`YI dYW`X`hc`di h`h`Y`f`b`Ua`Yg`UbX`ghi`XYbhibi`a`VYfg`cb`Yj`YfmdU[`Y`c`Z`h`Y`]f`Ugg][`ba`Ybng`"

# Hi fb]h]b`Gi Va ]gg]cb

z`mci`YbWci`bhYf`U`dfcV`Ya`k`Yb`U`H`Ya`d]b[`hc`gi`Va`]h`mci`f`Ugg][`ba`Yb`h`f`ci`[`h`i`fb]`h]b`z`d`Y`UgY`  
h`Y`d`l`cb`Y`9I`h`f`b`U`Gi`d`d`c`f`h`c`b`-`'`,`)`"`,`'`,`%`c`f`Ya`U`]`h`Ya`cb`YI`h`f`b`U`h`f`h`gi`d`d`c`f`h`i`b`g`k`"Y`X`i`"U`i`"Gi`d`d`c`f`h`  
l`ci`f`g`U`f`Y`,`.\$`\$`Ua`-`-%`.\$`\$`da`cb`k`YY`X`U`m`g`U`b`X`-`.\$`\$`Ua`-`-`).`.\$`\$`da`cb`k`YY`Y`b`X`g`f`l`\*)`X`U`m`g`U`m`Y`U`f`l`z`mci`  
U`f`Y`i`b`U`V`Y`h`c`gi`Va`]h`mci`f`Ugg][`ba`Yb`h`X`i`Y`h`c`U`Z`U`i`h`k`]h`h`i`fb]`h]b`mci`a`U`m`i`U`d`d`m`i`z`c`f`U`b`Y`i`h`f`b`g]`c`b`z`V`i`h`mci`  
a`i`g`h`f`Y`h]`b`mci`f`h]`W`Y`h`b`i`a`V`Y`f`z`c`a`9I`h`f`b`U`Gi`d`d`c`f`h`f`U`c`b[`k`]h`U`b`m`c`h`Y`f`f`Y`Y`U`b`h`X`c`W`a`Y`b`h`g`l`h`c`  
]b`W`i`X`Y`U`g`Y`j`X`Y`b`W`h`c`gi`d`d`c`f`h`mci`f`Y`i`h`f`b`g]`c`b`U`d`d`]`W`h]`c`b`"z`mci`Ya`U`]`9I`h`f`b`U`Gi`d`d`c`f`h`mci`k`]`  
U`i`h`c`a`U`h]`W`m`i`f`Y`W`]`Y`U`h]`W`Y`h`b`i`a`V`Y`f`z`V`i`h]`Z`mci`h`Y`d`l`cb`Y`mci`k`]`b`Y`Y`X`h`c`g`d`Y`W`]`W`m`i`U`g`z`c`f`c`b`Y`  
H`i`fb]`h]b`U`g`c`d`f`c`j`X`Y`g`i`d`X`U`h`g`c`b`h`Y`]f`g`m`g`h`Y`a`g`h`U`h`g`c`b`H`k`]`h`Y`f`"

;`Y`b`Y`f`U`m`z`U`g`g`Y`g`g`a`Y`b`h`U`g`\_`g`a`i`g`h`V`Y`g`i`Va`]h`Y`X`Y`Y`W`f`c`b]`W`m`j`]`U`Y`]h`Y`f`H`i`fb]`h]b`c`f`U`A`c`c`X`Y`  
U`g`g][`ba`Y`b`h`-`b`]b`g`h`U`b`W`g`k`Y`f`Y`h`l`g`]g`b`c`h`i`d`c`g`g]`V`Y`z`]h`k`]`V`Y`g`h`U`h`X`c`b`mci`f`W`c`i`f`g`Y`g`A`c`c`X`Y`g`]h`Y`k`]h`  
U`h`f`b`U`h]`Y`g`i`Va`]gg]cb`X`Y`h]`g`"

# @UH`5ggYgga YbhDYbU`h]Yg

5`b`U`g`g`Y`g`g`Y`X`h]`U`g`\_`]g`X`Y`Y`a`Y`X`U`h`]z`]h`]g`]g`i`Va`]h`Y`X`U`Z`Y`f`h`Y`g`d`Y`W`]`Y`X`h]a`Y`U`b`X`X`U`h`U`g`g`Y`h`c`i`h]b`h`Y`  
W`c`i`f`g`Y`@`Y`U`f`b]b[`A`U`b`U[`Ya`Y`b`h`G`m`g`h`Y`a`f`@`A`G`l`"

H`Y`U`h`d`Y`b`U`h`m]g`h`Y`c`g`g`c`z`i`c`Z`h`Y`h`c`h]`d`c`g`g]`V`Y`a`U`f`\_`g`z`c`f`h`Y`h]`U`g`\_`z`c`f`Y`U`W`X`U`m`c`f`d`U`f`h`h`Y`f`Y`c`Z`h`Y`  
k`c`f`\_`]g`U`h`Y`@`U`h`Y`b`Y`g`g`k`]`]b`W`i`X`Y`k`Y`Y`\_`Y`b`X`g`U`b`X`d`i`V`]W`l`c`]X`U`m`g`"H`l`g`X`c`Y`g`b`c`h`U`d`d`m`i`h`c`U`h]`U`g`\_`h`U`h]`g`  
U`g`g`Y`g`g`Y`X`Vi`h`b`c`a`U`f`\_`]g`U`k`U`f`X`Y`X`"

K`c`f`\_`g`i`Va`]h`Y`X`z`c`i`f`h`Y`b`f`%`L`X`U`m`g`U`Z`Y`f`h`Y`X`i`Y`X`U`h`k`]`V`Y`a`U`f`\_`Y`X`U`b`X`Z`Y`X`V`U`W`\_`d`f`c`j`]X`Y`X`Vi`h`b`c`a`U`f`\_`  
k`]`V`Y`f`Y`W`c`f`X`Y`X`"z`h`Y`k`c`f`\_`k`c`i`X`U`j`Y`f`Y`W`]j`Y`X`U`d`U`g`g`a`U`f`\_`Vi`h`z`c`f`h`Y`U`h`Y`b`Y`g`g`U`b`X`h`Y`k`c`f`\_`]g`U`  
W`c`a`d`i`g`c`f`m`W`c`i`f`g`Y`W`c`a`d`c`b`Y`b`h`z`U`g`h`i`X`Y`b`h`k`]`V`Y`X`Y`Y`a`Y`X`h`c`U`j`Y`a`Y`h`h`U`h`f`Y`e`i`]f`Y`a`Y`b`h`H`l`g`X`c`Y`g`b`c`h`  
U`d`d`m`i`h`c`U`h]`U`g`\_`h`U`h]`g`U`g`g`Y`g`g`Y`X`Vi`h`b`c`a`U`f`\_`]g`U`k`U`f`X`Y`X`"

K`c`f`\_`g`i`Va`]h`Y`X`h`k`Y`b`h`m`c`b`Y`f`&%`L`X`U`m`g`U`Z`Y`f`h`Y`X`i`Y`X`U`h`k`]`b`c`h`V`Y`U`W`W`d`h`Y`X`z`c`f`a`U`f`\_`b[`c`f`Z`Y`X`V`U`W`  
U`b`X`k`]`f`Y`W`]j`Y`b`c`a`U`f`\_`c`f[`f`U`X`Y`"z`h`Y`U`g`g`Y`g`g`a`Y`b`h`U`g`\_`]g`U`W`c`a`d`i`g`c`f`m`W`c`a`d`c`b`Y`b`h`c`Z`h`Y`W`c`i`f`g`Y`U`  
g`h`i`X`Y`b`h`k`]`U`i`h`c`a`U`h]`W`m`i`Z`]`h`Y`W`c`i`f`g`Y`"

# GdYW]U`7cbg]XYfU]cb`5dd`]W]h]cbg

M`c`i`W`b`U`d`d`m`i`z`c`f`g`d`Y`W`U`W`c`b`g]X`Y`f`U`h]`c`b`k`Y`b`]`b`Y`g`g`c`f`c`h`Y`f`W`f`W`a`g`h`U`b`W`g`]b`h`f`Z`Y`f`k`]h`mci`f`  
U`g`g`Y`g`g`a`Y`b`h`d`Y`f`z`c`f`a`U`b`W`"

G`]W`\_`b`Y`g`g`z`a`]g`U`X`j`Y`b`h`i`f`Y`c`f`c`h`Y`f`W`f`W`a`g`h`U`b`W`g`V`Y`n`c`b`X`mci`f`W`c`b`l`f`c`a`U`m`

f`D`f`Y`j`Y`b`h`mci`z`c`a`W`c`a`d`Y`h]b[`U`W`c`i`f`g`Y`f`Y`e`i`]f`Y`a`Y`b`h`z`

f`?`Y`Y`d`mci`z`c`a`U`h`Y`b`X]b[`U`b`U`g`g`Y`g`g`U`V`Y`U`W`]j`]m`z`

f`G`h`c`d`mci`gi`Va`]h]b[`U`g`g`Y`g`g`U`V`Y`k`c`f`\_`z`c`f`U`W`c`i`f`g`Y`z`



f`G][ b]Z]WbhmUZZYWhmci f`dYfZcfa UbWV`]b`UggYggUV`Y`k cf\_žVY`]hU`Zcfa U`YbX!cZgYa Yghf`YI Ua ]bUh]cbžU  
WUgg`hYghž`U`UVcfUhc fmi`hYghž`U`gYa ]bUf`dfYgYbUh]cb`cf`Ubmich`Yf`Zcfa`cZUggYgga`Ybh`

: cf`Z`fh`Yf`XYhU]`g`]b`fY`Uh]cb`hc`GdYWU`7`cbg]XYfUh]cb`]bWi`X]b[``K`Yb`hc`5dd`mž`<`ck`hc`5dd`m`UbX  
`Gi`ddcfh]b[`8`cW`a`YbUh]cb`d`YUgY`fYzYf`hc`h`Y`GdYWU`7`cbg]XYfUh]cb`k`YVgh]Y.`

[\hdg.#gh`XYbhi`bgk`YXi`Ui`#gdYWU`!Wcbg\]XYfUh\]cb](#)

5 WUXYa ]W<c bYghmUbX 'D`U[ ]Uf]ga

D`U[ ]Uf]ga ]g`i g]b[ 'hY`k cfXg`cf]XYUg`cZchYfg`UbX`dfYgYbh]b[ 'hYa`Ug`mci f`ck b" #WUb`hU`Y`a Ubm  
Zcfa gZ`Zca`XY`]VYfUHY`WXYU]b[ 'hc`UWV]XYbU`mW`dm]b[ `Zca`U`gci fW`k ]hCi hUW\_bck`YX[ Ya`Ybh`

I BGK` [ fci dg`d`U[ ]Uf]ga` ]bhc`hY`Zc`ck ]b[ `WUHY` [ cf]Yg.

7cdm]b[ .`i`g]b[ 'hY`gUa`Y`cf`j`Yfmg]a` ]Uf`k`cfXg`hc`hY`cf][ ]bU`hY`hcf`]XYU`k` ]hCi hUW\_bck`YX[ ]b[ 'hY`  
gci fW`cf`i`g]b[ `ei`chU]cb`a`Uf`g" `H`]g`U`gc`Udd`]Yg`hc` ]a`U[ YgZ`UfhUbX`XYg][ `b`dfc`YWgZ`Ug`k`Y`Ug`  
dfYgYbhU]cbg`k` \Yf`gca`YcbY`dfYgYbh]b[ `Ubc`hY`f`g` ]XYUg`cf`k`cfXg`k` ]hCi hWYX]h`

#Uddfcdf]UHY`dUfUd`fUg]b[ .`W`Ub[ ]b[ `U`Zy`k`cfXg`UbX`d`fUgYg`k` \]Y`a`cghmfYU]b]b[ 'hY`cf][ ]bU`  
g]fi`W`fY`UbX`]bZcfa`U]cb`k` ]hCi hUW\_bck`YX[ Ya`Ybh`H`]g`U`gc`Udd`]Yg`]b`dfYgYbhU]cbg`k` \Yf`gca`YcbY`  
dUfUd`fUgYg`Ubc`hY`f`g` ]XYUg`cf`k`cfXg`k` ]hCi hWYX]h` #U`gc`Udd`]Yg`hc`d`]YW]b[ `hc` [ YhYf`ei`chYg`UbX`  
dUfUd`fUgYg`]bhc`U`bYk`k` \c`Yzk` ]hCi hfYZ`fYbW]b[ `UbX`U`gh`XYbh`g`ck`b`UbU`mg]g`hc`Vf]b[ 'hY`a`UHYf]U`  
hc` [ YhYf`

7c`i`g]cb.`k`cf\_]b[ `k` ]h`chYfg`Vi`hdUgg]b[ `cZ`hY`k`cf\_]Ug`U`dYfgcb`g`]bX]j` ]Xi`U`k`cf\_]7c`i`g]cb`U`gc`  
]bWi`XYg`dfcj`X]b[ `mci`f`k`cf\_]hc`Ubc`hY`f`gh`XYbhVY`Zc`fY`hY`Xi`Y`XUHY`Zc`f`Zc`f`hY`di`fdcgY`cZ`hYa`  
d`U[ ]Uf]g]b[ `Uh`Ubmi]a`Yz`dUm]b[ `Ubc`hY`f`dYfgcb`hc`dYfZcfa`Ub`UWUXYa` ]W]g`\_`z`ghU`]b[ `cf`UW`ei` ]f]b[  
Ubc`hY`f`dYfgcb`g`UWUXYa` ]Wk`cf\_]UbX`W`dm]b[ `]z`c`ZYf]b[ `hc`W`ca`d`YHY`Ubc`hY`f`dYfgcb`g`k`cf\_]cf`gYY\_]b[  
dUma`YbhZc`f`W`ca`d`Y]b[ `UWUXYa` ]Wk`cf\_]`

#Uddfcdf]UHY`W]U]cb.`7`]h]b[ `gci`fW`g`k` \]W` \Uj`Y`bchVYYb`fYUXz`k` ]hCi hUW\_bck`YX[ ]b[ 'hY`gYW`bXUfm`  
gci`fW`Zca`k` \]W`\_bck`YX[ Y`cZ`hYa` \Ug`VYYb`cVU]bYX`

8i`d`]WU]cb`ffgY`Zd`U[ ]Uf]ga` "E`gi`Va` ]h]b[ `mci`f`ck`b`k`cf\_]b`k` \c`Y`cf`]b`dUfz`k` \YfY`]h`Ug`dfYj` ]ci`g`m`  
VYYb`dfYdUfYX`cf`gi`Va` ]hYX`Zc`f`Ubc`hY`f`UggYgga`Ybhcf`W`ei`fgY`Uhi`BGK`cf`Ubc`hY`fi`b]j`Yfg]m`

7cffYW]fYZYfYbW]b[ `dfUW]W]g.

- VYhYf'a UbU[ Y'mci f'hja Y



|                                       |                 |  |
|---------------------------------------|-----------------|--|
|                                       |                 | <p>V\cgYb`YI \]V]hcb`k ]h`mci f`dUfthYf`cj Yf`h\Y gi W\YX]b[ `k YY_"</p> <p>F YeI ]fYX`F YUX]b[ g.</p> <p>F ]W\UFX`? c\bž"&lt; ]ghcfmiUbX`h\Y`7i`h`fY`K`Ufg.`H\Y 7 UgY`cZh\Y`Ga ]h\gcb]Ub`hghh`hcbfj`9bc`U; Um 9I \]V]hcb"ž &lt;agd S^aX3_ Wd[US` : [efackI , &amp;f%- -) Łž %\$` *-%\$*` " \hhd.## k k "ghcf"cf[ #ghUV`Y#&amp;- ()%%%</p> <p>&gt;c\b`K "8ck Yfž"Hf]i a d\U`UbX`HfU[ ]WB UffU]j Yg cZh\Y`K Uf`]b`5g]U"ž &lt;agd S^aX3_ Wd[US` : [efackž , &amp;f%- -) Łž%%&amp;(!%% ) \hhd.## k k "ghcf"cf[ #ghUV`Y#dXZ#&amp;- ()%%- "dXZ</p> <p>: i fh\Yf`F YUX]b[ .</p> <p>8 Uj ]X`8YUb`UbX`DYHf`9"F ]XYfž"A i gYi a gžbU]hcb UbX`dc`]h]W` \]ghcfm]b`h\Y`5i ghfU`]Ub`B U]hcbU` A i gYi a `UbX`h\Y`7 UbUX]Ub`A i gYi a `cZ 7 ]j ]nU]hcbž"? geWg_ S` V E aU[Wk ` f&amp;\$\$) Łž' )!)"\$"</p> |
| <p>K YY_" : %&amp;A UfW ! % A UfW</p> | <p>GYa ]bUf</p> | <p>Hcd]W`&lt; ]ghcfmk ]h`ci hVcc_g. h\Y`XcW a Yb]Ufm</p> <p>7 cbh]bhXYgW]dh]cb. `C bY`Wēi `X`Uf[ i Y`hUhVcc_g bc`cb[ Yf`g\UdY`h\Y`\]ghcf]W` ]a U[ ]bU]hcb"5`a i W\ [ fYU]Hf`fc`Y`]g`d`UmYX`hcXUmVmZ]a gžXcW a Yb]Uf]Yg UbX`h\Y`hghfbYh`7 cbg]XYf`h\Y`XcW a Yb]Uf]Yg</p>  |

|                                   |           |  |
|-----------------------------------|-----------|--|
|                                   |           | k YY_ k ]h`mci f'dUfthYf'Ug`h.YfY`jg`fYgYUfW`hc`Xc<br>UZNYfk UfXgz`UbX`h.Y`YggUm]g`Xi`Y`]b`k`YY_`)   |
| K YY_`(.`%`-`A`UfW`!`&)<br>A`UfW` | GYa`]bUf` | Hcd]W`<`]g`h`c`f]WU`G`W`c`U`f`g`\\`d`U`b`X`5`X`j`c`W`U`W`h`<br><br>7`c`b`h`Y`b`h`X`Y`g`W`]`d`h`]`c`b`:`#`h`Y`f`a`g`c`Z`f`Y`g`Y`U`f`W``Y`h`]`W`g`z`<br>U`f`Y`\\`]`g`h`c`f`]`U`b`g`g`i`V`Y`W`h`c`g`h`U`b`X`U`f`X`g`V`Y`m`c`b`X`k`\\`U`h`]`g`<br>f`Y`e`i`]`f`Y`X`Z`c`f`d`i`V`]`W`U`h`]`c`b`]`b`d`Y`Y`f`i`f`Y`j`]`Y`k`Y`X`c`e`i`f`b`U`g`<br>f`Y`"["`"i`f`i`h`Z`\\`U`b`X`W`c`a`d`Y`h`Y`f`Y`d`c`f`h`b`["`c`Z`d`f`]`a`U`f`m`<br>Y`j`]`X`Y`b`W`g`c`i`f`W`g`z`c`["`]`W`U`U`f`["`i`a`Y`b`h`U`h`]`c`b`z`W`h`U`h`]`c`b`c`Z`<br>]`b`Z`i`Y`b`h`U`c`f`c`h`Y`f`k`]`g`Y`]`a`d`c`f`h`U`b`h`g`Y`W`c`b`X`U`f`m`<br>g`c`i`f`W`g`z`3`:`c`f`Y`i`U`a`d`Y`z`g`\\`c`i`X`h`Y`m`d`i`V`]`W`m`<br>X`]`g`W`g`g`]`g`g`i`Y`g`c`b`m`k`]`h`]`b`h`Y`]`f`X`c`a`U`]`b`c`Z`g`W`c`U`f`m`<br>Y`i`d`Y`f`h`g`Y`3`A`i`g`h`h`Y`m`W`c`b`g`]`X`Y`f`h`Y`g`c`W`U`]`a`d`U`W`h`c`Z`<br>h`h`Y`]`f`g`W`c`U`f`m`k`c`f`_`]`b`d`i`V`]`g`\\`]`b`["`c`b`W`f`h`U`]`b`<br>e`i`Y`g`h`c`b`g`U`b`X`#`f`i`g`]`b`["`W`f`h`U`]`b`g`c`i`f`W`g`3`C`b`W`]`h`]`g`<br>d`i`V`]`g`\\`Y`X`z`X`c`h`h`Y`m`V`Y`U`f`U`b`m`c`h`h`Y`f`Y`g`d`c`b`g`]`V`]`h`Y`g`]`b` |

|   |                                    |  |
|---|------------------------------------|--|
| <p>K YY_) .&amp;* 'A UfW !:%<br/>5df]</p> | <p>GYa ]bUf</p> <p>5ggYgga Ybh</p> | <p>f%- - \$tž' ' !('</p> <p>Hcd]W': ]W]cb'UbX'hY'&lt; ]gřcf]Ub g'@]a ]řg</p> <p>7 cbhYbhXYgW]dh]cb. '7 Ufc'; ]bnVi f[ žBUH]Y<br/>NYa cb'8Uj ]g'UbX'G]a cb'GWUa U'UfY'dfc']Z]W<br/>\\]gřcf]Ubg'k \c'Uj Y'k f]hYb'UVci hYj Ybřg'hUha Um<br/>bch\Uj Y'hU_Yb'd'UW' "g'h]g "a UXY'i d"cf'Vc[ i g<br/>\\]gřcfmB' Cf'Uj Y'hYgY'\]gřcf]Ubgž']b'[ c]b[ 'VYmcbX<br/>k \UhYj ]XYbW'W]b'gdYW]Z]W'mgi ddcfřž'a UXY'U<br/>Včbřf]Vi h]cb'hc'gWkc'Ufm_bck 'YX[ Y'UVci h'hY'dUgřB<br/>.</p> <p>5dUfh]Zca 'hY'i gi U'X]gW gg]cb'UbX'fY'UH'X'ei ]nž<br/>hY'F YgYUfW '9ggUmCi h]bY'UggYgga Ybhk ]'VY<br/>X]gW ggYXž'hc[ Y'hYf'k ]h'D]f]a UfmUbX'GYWčbXUfm<br/>gci fW]g'UbX'\ck 'hc'i gY'cb']bY'df]a Ufmgci fW<br/>XUHVUgYg'gi W\ 'Ug'Hfcj Y"</p> <p>.</p> <p>F Yei ]fYX'F YUX]b[ g.</p> <p>G]a cb'GWUa Už6W5V 5W]S[ f]W f]cbXcbž%- - %ž<br/>7 \Ud'%'f]d"&amp;!&amp;\$ž' &amp; , !- 7'</p> <p>B UH]Y'NYa cb'8Uj ]gž"Gřcf]Yg'UbX'hY'&lt;i b[ Yf'hc<br/>? bck "žKS'W&lt;agd S^aX5 d[f[U]e_ ž) 'f%- - &amp;tž%) - !*'</p> <p>7 i g\]b[ 'Gřci hž"6cfXYf'7 fccg]b[ g.'&lt; ]gřcfmž: ]W]cbž<br/>UbX'8YUX'7 Yf]b]h]Yg"ž: [efack S' V FZVáckl ' %<br/>f%- - &amp;tž%) ' !* &amp;</p> <p>7 Ufc'; ]bnVi f[ ž"7 \YW]b[ 'hY'9j ]XYbW'. H\Y<br/>&gt;i X[ Y'UbX'hY'&lt; ]gřcf]Ub"ž5 d[f[US^;` cg[ck % 'f%- - %ž<br/>+- !- &amp;</p> |
| <p>6fYU_ '&amp;'5df]'!; '5df]</p>         | <p>&lt;ca Yk cf_</p>               | <p>8 i f]b[ 'h]g'k YY_'mci 'g\ci 'X'VY[ ]b'k cf_]b[ 'cb'mci f<br/>F YgYUfW '9ggUmCi h]bYž']b'dUf]W 'Uf'cb'ž]bX]b[<br/>gi ]hUV'Y'df]a Ufmgci fW]g'hc'UXXfYgg'hY'ei Yg]cb<br/>hUhmc'i 'UfY'dcg]b[ "'6Y'gi fY'hc'fYUX'fYUX'hY<br/>F YgYUfW '9ggUm; i ]XYž'dcg]hY'cb'A ccX'Yž<br/>W]fYž `mVYžcfY'VY[ ]bb]b[ "</p>  |
| <p>K YY_* .- '5df]'!%) '5df]</p>          | <p>GYa ]bUf</p>                    | <p>Hcd]W'&lt; ]gřcfm]Zca '6Y'ck</p> <p>7 cbhYbhXYgW]dh]cb. "&lt; ]gřcfm]g'k f]hYb'Vm'hY<br/>k ]bbYfg"" &lt;ck 'Xc'k Y'UddfcUW\ \]gřcfm]Vm'h]cgY<br/>k \c'k YfY'X]gYa dck YfYX'UbX'X]gYb]Z]UbW]gYX3'g']h</p>  |

|                              |                         |  |
|------------------------------|-------------------------|--|
|                              |                         | <p>h\Y'dUghzYj Yb'h\ci [ \ 'h\Ymhm]WJ`mi`YUj Y'bc:k f]hYb<br/> fYVcfXg'cZh\Y]f'ck b3'MYhWUk Y'Z `mi bXYfgHUbX<br/> dUghgcWYhYg'k]h\ci h_bck ]b[ 'h\Y]f'j] Yg3`#k Ug<br/> cb'm]b'h\Y`UHYf'k YbhYh'Wbhi fmiUUh\]ghcf]Ubg<br/> VY[ Ub'hc'ZcW'g'cb " \ ]ghcfmZca `VY'ck "ZUbX'k Y'k ]`<br/> fYUX'U'gY'YW]cb'Zca '9"D"H\ca dgcbfj]bZi Ybh]U'<br/> k cf_'cb'h\Y'9b[ `]g\`k cf_]b[ `WUgg"</p> <p>F Yei ]fYX'F YUX]b[ g.</p> <p>9"D"H\ca dgcbz`H\Y'A cfU`9Wcbca mcZh\Y<br/> 9b[ `]g\`7 fck X`#h\Y'9][ \hYb'h'7 Ybh' fmz`BSef`<br/> BdWf) \$ f% +%# `+*!% *`#`gc`]b'5 gefa_e [ <br/> 5a__ a` fBYk `Mc_f_z%-`-' t% )!&amp; , Q</p> <p>&gt;]a `G\UfdYz"&lt; ]ghcfmZca `6Y'ck "z]b`@W<br/> BwcbWUf]hV`a` : [efadUS^l df] YzYX"DYHYf'6i f_Yz<br/> f7c`Y[ Y'GH]cbzDYbb"z%-`-%z&amp;(! (%</p> <p>: i fh\Yf'F YUX]b[ .</p> <p>9"D"H\ca dgcbz`H\Y'A cfU`9Wcbca mF Yj ]Yk YX`<br/> 5 gefa_e [ 5a__ a` fBYk `Mc_f_z%-`-' t% )!&amp; )`%`</p>  |
| K YY_+. '%* '5df]'! '& 5df]` | 5ggYgga Ybh<br>GYa ]bUf | <p>Mci f'F YgYUfW `9ggUmC i h]bY `]g`Xi Y`H\i fgXUm<br/> UZfYfbccb ]b`K YY_`*`"5g`XYgW]VYX`i bXYf<br/> 5ggYgga Ybhg`UVcj YzUbX`]b[ fYUHYf`XYHJ` ]b`WUgg<br/> UbX'h\Y`F YgYUfW `9ggUm; i ]XY'cb'h\Y`A ccXY'g]hYz<br/> h\]g`]g`Uj Yfmgl'cfhXcW`a Ybhk \YfY`mci `UHYa dhlc<br/> Ufh]W`UHY`mci f'ck b'cf][ ]bU`ei Ygh]cb`UVci h\h\Y'dUghz<br/> lc[ Yh\Yf'k ]h`Vch`df]a UfmUbX'gYVcbXUfmgci fW'g<br/> gi ]hYX`hc`Ubkg Yf]h]b'h\Y`U`cHXY`h]a Y`UbX`gdUW` ]b<br/> U`a UbbYf'a YY]b[ `h\Y`F YgYUfW `9ggUmUggYgga Ybh<br/> W]hYf]U`" `#g`di fdcgY `]g`hc`XYa cbghfUHY`ZYUg]V] ]m'<br/> H\]g`k ]`VY`gi Va ]hYX`j ]U`Hi fb]h]bz`UbX`mci `k ]`<br/> fYW]j Y`fUd]X`ZYXVUW`f]b`h\Y`cfXYf'cZci h]bY<br/> gi Va ]gg]cbE`Wcbg]gh]b[ `cZU`a Uf`_ci hcZ) `UbX<br/> dcgg]V`mgca Y`Vcbghf] W]j Y`gi [ [ Ygh]cbg" `Zmci<br/> fYW]j Y`U`dUgg]b[ `a Uf`_cb`mci f'ci h]bY`#dfcgdYW] gZ<br/> mci `a UmidfcWYX`k ]h`mci f'dfcdcgYX`hcd]W` `Zmci<br/> Xc`bchz`mci `k ]` \Uj Y`hc`k f]hY`mci f'F YgYUfW<br/> 9ggUmcb'h\Y`GH]bXUfX`9ggUmHcd]Vz`k \]W`k ]`VY<br/> fY`YUgYX`cbW`Yj Yfmc`bY`k \c` \Ug`gi Va ]hYX`Ub<br/> C i h]bY`cb`h]a Y` \Ug`fYW]j YX`h\Y]f`ZYXVUW`"</p> <p>Hcd]W'; YbXYf`UbX` &lt; Yfgch fm</p> <p>7cbhYbhXYgW]dh]cb. H\]g`k YY_`k Y`Wcbg]XYf'h\Y<br/> fY`U]hcbg\]d`VY`k YYb ]XYUg`cZ[ YbXYf`UbX`k ca Yb`]b<br/> dUfh]W`Ufz`UbX`k \mgcW]U` ]XYUg`UfY`ja dcf]Ubh'<br/> 7cbg]XYf`@YfbYf'g`W]h]ei Y`cZ\]ghcf]c[ fUd`n`K \Uh<br/> Xc`k Y`YUfb`Zca `8Uj ]g`'K`ca Yb`cb`Hcd`3`#`k \Uh</p> |
|                              |                         |  |



|  |                      |  |
|--|----------------------|--|
|  |                      | <p>hc'@YfbYf'g'WU'Zcf'U'X] Yfg]Z]WU]h]cb'cZk ca Yb'g<br/> \]ghc'fm3"</p> <p>F Yei ]fYX'F YUX]b[ g.</p> <p>; YfXU'@YfbYfz"D'UW]b[ 'K ca Yb']b'&lt; ]ghc'fm<br/> 8 YZ]b]h]cbg'UbX'7\U'Yb[Yg"z8W_ [ 'ef E fgV[Wez'<br/> f%- +) tž) !%(</p> <p>B UfU'Y'NYa cb'8Uj ]gž'K ca Yb'cb'Hcd'ž]b'E aU[Wfk<br/> S` V 5g'fgdW[ 7SdK ? aVWd 8dS` UWf7 Ua Vf]X[ Yž<br/> %-, +tž%&amp;(!) %fb`mdd`%&amp;(!% +fYei ]fYXŁ</p> <p>HYa a U'? Ud'Ubž": Ya U'Y'7 cbgW]ci gbYgg'UbX<br/> 7c`YW]j Y'5W]cb. H\Y'7 UgY'cZ6UfVW'cbUž<br/> %- %\$!%- % ""E [Y` e +# 'f%- , &amp;Ł' ) (!) **""fb`mdd<br/> ) (!) ) - fYei ]fYXŁ</p> <p>F UWXY`A U]bYgž"GcW]U`m7Ua ci ZU[ YX<br/> HYWbc`c[ ]Yg. H\Y'7 UgY'cZHY'9'YWFca YWU]b]WU'<br/> J ]VfUhc'f"";777 FWUZ` a`aYk S` V E aU[Wfk<br/> ? SYSI [ W, "&amp;'f%- , - Ł' ' !%%"</p> <p>: i fh\Yf'F YUX]b[</p> <p>B ]bU'9""@Yfa Ubž5fk Yb'DU'a Yf'A c\i bžF i h<br/> C`XYbn]Yž"H\Y'G\ci`XYfg'K Y'GHUbX'cb'UbX'hY<br/> J ]Yk`Zca`&lt; YfY. &lt; ]ghc'f]c[ fUd\mUbX'8 ]fYW]cbg'Zcf<br/> F YgYUfW"žF WUZ` a`aYk S` V 5g'fgdVž' , #f%- - +tž<br/> -!' \$</p> |
| <p>K YY_ , . '&amp;' 5df]'!&amp;-<br/> 5df]'</p> | <p>&lt;ca Yk cf_</p> | <p>BC`G9A`B5F`G9GG`€B`H&lt;`€`K`99?`f5BN57<br/> \c`]XUmicb`K`YXbYgXUŁ</p> <p>6mibck`mci`k`j""\Uj`Y`fYW]j`YX`ZYXVUW`cb`mci`f<br/> F`YgYUfW`9ggUmC`i`h]bY#DfcdYW]i`g`UbX`hY<br/> GHUbXUfX`F`YgYUfW`9ggUmHcd]Wk`j`VY`Uj`U]UV`Y"<br/> Mci`g\ci`X`VY[ ]b`fYgYUfW`cb`mci`f`F`YgYUfW<br/> 9ggUm]b`YUfbYghh]g`k`YY_""F`Ya`Ya`VYf`hY<br/> fYei ]fYa`Ybhtž`Ug`XYfU]YX`]b`hY`F`YgYUfW`9ggUm<br/> ;`i`]XYž`h`Uhmci`f`YggUma`i`gh%Ł`fYW`cbghfi`W]UbX<br/> ]b]YfdYhidUf]W`Uf`dUghYj`Ybhtž`UbX`bcha`YfY`m<br/> \]ghc'f]c[ fUd\mf]Y`k`h\h\Ug`VYYb`k`f]hYb`UVci`hdUgh<br/> Yj`Ybhtž`cb[ `UZNYfk`UfXgtž`UbX`h`Uhi&amp;Ł`mci`f<br/> ]b]YfdYfU]h]cb`cZ`hYgY`dUghYj`Ybhtž`a`i`ghVY`UV`Y`h<br/> fYghcb`df]a`Ufmigci`fW`Yj`]XYbW`cZmci`f`ck`b<br/> X]gWŁj`Yfm""B`chY`U`gc`h`Uhi`U`YUgh`k`c`?`B8G`cZ<br/> df]a`Ufmigci`fW`g\ci`X`VY`Ya`d`cnYXžk`h]Wk<br/> hmd]W]`ma`YUbg`Vch`dUghbYk`gdUdYfg`UbX`gca`Y<br/> c`h`Yf`bcb!`ei`fbU`]gh]Wgci`fW"</p>  |
| <p>K YY_ - . " \$ 5df]'!`*`A`Um</p>              | <p>GYa ]bUf</p>      | <p>Hcd]W`GW]Yg`cZ`&lt; ]ghc'fm`= `A`]WfcgWŁd]W</p>   |

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|--|-----------------|--|
|  |                 | <p>7cbhYbhXYgWf]dh]cb. 'g'hYfY'Ubmj U'i Y'jg<br/> gh Xmb[ '\]gfcfmUhhY'cWU'Yj Y'3'g'hYfY'Ubm<br/> j U'i Y'j'b'hY'\]gfcfmcZYj YfmXUm']ZY'cf'k \]W<br/> Z:W gYg'cb'U'g]b[ 'Y'fY[ i 'Uf'dYfgcb'z'cf'cb'hY'']ZY'cZ<br/> U'ga U''UbX'jgc'UH'X'W'ca a i b]mB'K \Yb'Wb'gi W<br/> gh X]Yg'VY'XYa YX'tc'VY'fj] ]U'z'UbX'k \Yb<br/> g][ b]Z]Wbhb</p> <p>F Yei ]fYX'F YUX]b[ g.</p> <p>&gt;]''@YdcfYz''&lt; ]gfcf]Ubg'K \c'@cj Y'Hcc'A i W.<br/> F YZYW]cbg'cb'A ]W'c\]gfcfmUbX'6]c[ fUd'm'F ZW<br/> &lt;agd S^aX3_ Wd[US' : [efackz', , 'f&amp;\$%z%&amp;- !(( "</p> <p>7Ufc'; ]bnVi f[ žFZW5ZWWeWS`V fZWI ad_e, FZW<br/> 5ae_ ae aXS E ]j fWV fZ5W fgk ? [^Wz'fUbg"&gt;c\b<br/> UbX'5bbY'HYXYgW.]fBYk 'Mcf_z% , - lžgYW]cbg'<br/> ' ' !(&amp;'fd' '* , !, *Ł</p> <p>7Ufc'; ]bnVi f[ ž"A ]W'c!\]gfcfm'Hk c'cf'H\fY<br/> H\]b[ g'=? bck '5Vci h#ž5df[US^;`cg[ckž&amp;\$žf%- -' lž<br/> %\$!' ) "</p> <p>: i fhYf'F YUX]b[ .</p> <p>G][ i fl i f'; mž'A U[ bOggcbž'H\Y'G]b[ i 'Uf]nU]cb'cZ<br/> &lt; ]gfcfm'GcW]U'&lt; ]gfcfmUbX'A ]W'c\]gfcfmK ]h]b'hY<br/> Dcgha cXYfb'GhU'cZ? bck 'YX[ Y''&lt;agd S^aXE aU[S^<br/> : [efack ' *# 'f&amp;\$%' Ł '+\$%+')</p> |
| <p>K YY_ %\$. '+A Um! '%<br/> A Um</p> | <p>GYa ]bUf</p> | <p>Hcd]W'9bj ]fcb'ba YbhU'&lt; ]gfcfm</p> <p>7cbhYbhXYgWf]dh]cb. '&lt;ck'Wb'k Y'bUffU'U<br/> \]gfcfmUhh]g'bchWb'fYX'cb'\i a Ub'UW]cbz'cf'bch<br/> Yj Yb'UVci hdYcd'Y'UhU'3'K \Yb'XcYg'h]g'gja d'm<br/> VYW'ca Y'hY'Xca U]b'cZV]c'c[ mž[ Yc'c[ nž'cf'Ubc'hYf<br/> bU] fU'gW]YbW'k ]h'Yb]fY'mX]ZY'fYbia Yh'cXg'UbX<br/> U]a g'Zca '\]gfcfmB'5'hci [ \Xci Vhž 'Ug'tc<br/> X]gW]d' ]bUfm]XYb]h]mU]h]g'YX[ Ygž'U'h]fj ]b[ 'Z]Y'cZ<br/> Ybj ]fcb'ba YbhU'\]gfcfm\Ug'fYW'b]mYa Yf[ YX'k ]h]b<br/> h'Y'X]gW]d' ]bY'cZ\]gfcfm'tc'Xc'↑ gh'hU'ž ]b'cfXYf'tc<br/> [ fUdd'Y'k ]h' ]bW'YUg]b[ 'm]a dcfU'U'bei Ygh'cbg'UVci h<br/> h'Y'fY'U]cbg\]d'VY'k Yyb' ]bU] fY'UbX'\i a Ub'UZ]f'g"</p> <p>F Yei ]fYX'F YUX]b[ g.</p> <p>A WB]Y'ž&gt;F "ž"C VgYfj U]cbg'cb'hY'B U]h' fY'UbX<br/> 7i 'h' fY'cZ9bj ]fcb'ba YbhU'&lt; ]gfcfmž: [efack S' V<br/> FZW'ack (&amp;'f&amp;\$%' lž) !(' "</p> <p>F nUb'Hi W_Yf'&gt;cbYgž'F i bb]b[ ' ]b'tc'K \U'Yg. H\Y<br/> &lt; ]gfcfmcZ'hY'B cft'h'DUW]Z]WZ'ca '6Y'ck 'h'Y'K Uj Ygž'</p>   |

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|   |                 | <p>3_ Wd[US` : [efadUS^DWh[W %% 'f&amp;\$% Łž' (-!' ++"</p> <p>: i fh\Yf'F YUX]b[ .</p> <p>5`ZYX'7 fcgVnž“H\Y'6]c`c[ ]WJ`A YHJa cfd\cg]g`cZ<br/> h\Y'5a Yf]WJgž` ]b'9Wd_ el E VVWe` 3` [ _ S`e, E fgV[Wē<br/> ;` 7Ua`āY[US^: [efack fB V]b[ Xcbž%- ' Łž7\Ud` ždd"<br/> (!)*%</p> <p>G]YZfYžF Dž“H\Y'9bYf[ mGmgHYa ”ž]b`D<br/> 6f]a V`YWēa VY`UbX'7`DžghYf`YXg“žFZWE [W f<br/> 5ag` fVai` , 7eeSke [ 7gdabWS` 7` h[da` _ W fs^<br/> : [efack fGdf]b[ Yfž%- -\$Łž- !&amp;\$</p> <p>F Y!fYUX`K Y]bghY]b`“&lt; ]ghc fmK ]h ci hU`7 Ui gy”</p>  |
| <p>K YY_`%%`%( 'A Um!`&amp;\$<br/> A Um</p> | <p>GYa ]bUf</p> | <p>Hcd]W`GWJ`Yg`cZ&lt; ]ghc fm≡`8YYd`H]a Y</p> <p>7 cbhYbhXYgWf]dh]cb. `8c` \]ghc f]Ubg` \Uj Y`Ubm<br/> Vi`g]bYgg`cc_]b[ `Uh\]ghc fmVYzcfY` \i a Ub]fmYI ]ghYXž<br/> cf`Yj Yb`VYzcfY`Uj U]UV`Y` \i a Ub!a UXY`fYWēfXg3<br/> G\ci`X`h\YmVY`Wēbg]XYf]b[ `h\Y'6][ `6Ub[ `UbX`h\Y<br/> cf][ ]b`cZ: a_ a eSb[W ežUg`8Uj ]X`7\]f]gh]Ub`UbX<br/> : fYX`Gd]Yf` \Uj Y`XcbY`k ]h`ž bX]b[ `žca` 6]`"; UHf<br/> fUbX`VYzcfY`h\Ya` dcdi`Uf]bhY`YWH`Ug` ]Y`5i [ i ghY<br/> 7ca`hYž9fbgħ&lt; UYW`Y`UbX`&lt;; `K`Y`gŁ3`K` \UhXc<br/> h\YgY` \]ghc f]Ubg`WU]a` ]g`h\Y`j`U`i`Y`cZgi`VX`I`b]j`YfgU`<br/> cf`6][ ` \]ghc fmž`UbX`h\Y`dfcdYf`a`Yh`cX3`g`h\YfY`U<br/> dfcV`Ya` `k`h`h\Y`i`bWf]h]WU`Ugg]a` ]Uh]cb`cZ<br/> fYdfYgYb]h]cbg`cZ`h\Y`dUgh]žca` `h\Y` \UfXYf<br/> gWYbWg`h`Uhž`Yj`Yf`g]bW`d\]cgcd`Yf`H\ca`Ug<br/> ?`i` \bž`WUbbchVY`fY[ UfXYX`Ug`di`fj`Ymēfg`cZ<br/> i`bVX`Ub[ ]b[ `UbX`Udc`]h]WU`hfi`h\g`Ubma`cfY`h\Ub<br/> \]ghc fm]hgY`Z3</p> <p>F Yei ]fYX`F YUX]b[ g.</p> <p>8Uj ]X`7\]f]gh]Ubž“H\Y`7 UgY`žcf`6][ `&lt; ]ghc fmž`ž&lt;agd`S`<br/> aXl` adV : [efackž`&amp;`f%-`-%ž`&amp;&amp;`!' ,</p> <p>8Uj ]X`7\]f]gh]Ubž“H\Y`F Yhi`fb`cZl` b]j`YfgU`&lt; ]ghc fmž`<br/> : [efack`S` V`FZWāckž`(-`f&amp;\$%\$Łž`*!&amp;+”</p> <p>6fi`W`A`Un`]g`ž`6][ `&lt; ]ghc fmž`@]h`Y`7`f]h]ei`Y`”<br/> : [efad[US`k`E`bVS][ `Y`*)`f&amp;\$%)`Ł`('`!(`(`</p> <p>5[ bYg`F`ž`UbX`H\ca`Ug`5`VYfh`&lt;ck`UfX`””5`H\Ycfm<br/> cZ9j`Yfmi]b[ ]””5a`_`_`a`i`WS`^%(`&amp;#`f&amp;\$%)`Ł`%\$”</p> <p>8Uj ]X`6`Ub`_gž`”Hck`UfXg`U`H\Ycfm`cZ6][ `&lt; ]ghc fmž`<br/> A`dY[`e`≡`fB`(`Ł`f&amp;\$%)`Ł`&amp;`!*` \hd.`##`k`k`”]V`UbYh]cf[ `#<br/> Ygci`fW`g#B`cW`a`Yb]g`#Yk`g`YhY`fg`#C`f][ ]bgS`≡`SS`(`dXZ</p> |

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|---|-----------------|---|
|   |                 | <p>: i fh\Yf'F YUX]b[ .</p> <p>H]a ch\mi@Ybc]f'UbX'7\Yfm'F cggž“H\Y'BUh'fU'njYX<br/>&lt;]gřcfmA i gYi a "ž]b'DYHf'; U']gcb'UbX'8Uj ]X'&gt;"<br/>Gh' a d'fYXg"łžFZW6 ]eg' [řk aXE U[W UW 4ag' VSD]Wet<br/>5a' fWj fel S' V Bai WdfGHUbZc:FXž%- *łž' +\$!' - +"</p> <p>6Yfb\UfX'? YVYVf[ ž"; cX!BUh'fY'Dfc[ fYgg]b[ .<br/>BUh'fU'H\Yc'c[ m]b; Yfa Ub'A cb]ga "žEU[W UW[<br/>5a' fWj f&amp;\$f&amp;\$+\$łž)' +!) * -</p>   |
| <p>K YY_%&amp;. &amp;%A Um!'&amp;+<br/>A Um</p> | <p>GYa ]bUf</p> | <p>Hcd]W'7ci bhYfZUW] U' \]gřcfmžDfcd\Ygm]b[ žUbX<br/>k \Uhřc'Xc'k ]h' U' \]gřcfmia U'čf</p> <p>7cbhYbhXYgW]dh]cb. 'F"; ""7c`]b[ k ccX'gU]X'h.Uh<br/>h\Y " \]gřcf]Ub'g'Vi g]bYgg]g'řc'_bck 'h\Y'dUghžbchřc<br/>_bck 'h\Y'ž h' fYžUbX'k \YbYj Yf' \]gřcf]Ubg'WU]a 'řc<br/>VY'UV'Y'řc'XYHf'a ]bY'h\Y'ž h' fY' ]b'UXj UbW'cZ]řg<br/>\UddYb]b[ žk Y'a Um'_bck 'k ]h' Wf]U]bmi'h.Uh<br/>gca Yh]b[ \Ug' [ cbY'k fcb[ 'k ]h' h\Y]f'ž bXUa YbH'<br/>WčbWf]dh]cb'cZ \]gřcfmf7c`]b[ k ccX'%- - (ž) (łž)' ž<br/>ZUWž \]gřcf]Ubg'Xc'gca Yh]a Yg'dcgY 'K \Uh]Zž'<br/>ei Ygh]cbg'UbX'gca Yh]a Yg'Xc'gdYW'UH'UVci h'h\Y<br/>ž h' fY" H\]g'k YY'_k Y'Wčbg]XYf'h\Y'j U'i Y'cZgi W<br/>YbXYUj ci fgžUbX'k \Yh\Yf'gi W'a UHfYfg'g'ci 'X<br/>]bXYX'VY'h\Y' \]gřcf]Ub'g'Vi g]bYgg"</p> <p>H\YfY'k ]' U'gc'VY'U'X]gW gg]cb'cZk \Uh]bgh]h' h]cbg<br/>UbX'Vi g]bYggYg'k Ubh \]gřcf]Ubg'Zc:fžUbX'k \Uh<br/>gi fd]g]b[ 'Ug'k Y''Ug'a cY'cVj ]ci g'h]b[ g<br/>[ fUXi UH'g'W]b'Xc'k ]h' &lt; ]gřcfmia U'čfg"</p> <p>Gca Y'h]a Y'k ]' VY'U'c'hY'X'řc'X]gW gg]cb'cZdfcV'Ya g<br/>UbX'ei Ygh]cbg'h.Uh\Uj Y'Uf]gYb'Ua cb[ 'gh' XYbřg<br/>WčbWf]b]b[ 'h\Y'F YgYUfW'9ggUmřXi Y'h\Y'Zc'ck ]b[<br/>k YY_ł</p> <p>F Yei ]fYX'F YUX]b[ g.</p> <p>A Ufh]b'6i bnž“7ci bhYfZUW] U' &lt; ]gřcfm'5'ł gYf'g<br/>; i ]XY”ž3_ Wd[US' : [efad[US^DWh[W ž%\$- f&amp;\$\$(łž<br/>, (!) , "</p> <p>F ]WUfX'&gt;"9j Ubgž“HY`"]b[ ]h'_Y' ]hK Ugb'řž<br/>: [efad[US^k E bV\$] [ Y ) "( f&amp;\$\$(łž%A%( "</p> <p>5bb'7i fh\cmg'UbX'5bb'A W fUh.ž: ai fa l d]fW<br/>: [efack fZSf B Wčb'WI S' f fa DWSV fGmXbYmž&amp;\$\$- łž<br/>&amp;(! +"</p> <p>: cf'dfca ]bYbhYI Ua d'Yg'cZWči bhYfZUW] U' \]gřcfmž<br/>gYY'F cVYfh7 fck 'YmfYXłž' ZSf [X] 7_ [ W f</p> |

|  |  |
|--|--|
|  | <p>: [efad]S` ;_ SY[ WI ZSf? [YZf: ShW4WW fBYk<br/> Mcf_ž%- -, Ł'UbX`B]U``: Yf[ i gcb`fYXŁžH[dfgS^<br/> : [efack, 3 fWd Sf[hVè S` V 5 ag` fWXSUfgS`è f@cbXcbž<br/> %- +Ł</p> |
|--|--|

# F Ygci fWg

## DfYgWf]VYX`F Ygci fWg`

H\Y`k YY\_mfYUX]b[ g`XYg][ bUH`X`UVcj Y`j]b`h`Y`G`W`Y`X`i`Y`g`Y`W`h`cb`U`F`Y`D`F`C`J`-`G`-`E`B`5`@`" `Z`h`Y`f`Y`]g`U`W`X`U`b`[`Y`  
h`c`h`Y`f`Y`U`X`]b`[`g`g`W`Y`X`i`Y`Z`X`Y`h`U`]g`k`j`"V`Y`d`c`g`h`X`k`Y`"j`b`U`X`j`U`b`W`"cb`h`Y`W`c`i`fg`Y`A`cc`X`Y`g`]h`Y`"

5`""]g`h`X`f`Y`U`X`]b`[`g`g`l`c`i`X`V`Y`U`j`U`]U`V`Y`j`j`U`h`Y`"@`Y`[`U`b`h`c`d`c`f`h`"cb`h`Y`W`c`i`fg`Y`A`cc`X`Y`g`]h`Y`" `b`g`c`a`Y`W`l`g`Y`g`  
@`Y`[`U`b`h`c`k`j`"cb`m`h`U`\_`Y`m`c`i`h`c`h`Y`f`Y`Y`j`U`b`h`c`i`f`b`U`"U`b`X`m`c`i`a`i`g`h`c`W`l`h`Y`h`Y`f`Y`e`i`]f`Y`X`]g`g`i`Y`U`b`X`U`f`h`W`Y`  
m`c`i`fg`Y`Z`"Z`U`g`c`i`f`W`]g`Y`b`h`f`Y`m`i`b`U`j`U`]U`V`Y`j`j`U`@`Y`[`U`b`h`c`z`d`Y`U`g`Y`b`c`h`Z`m`h`Y`W`c`i`fg`Y`7`c`b`j`Y`b`c`f`  
-`A`A`9`8`-`5`H`9`@`M`V`m`Y`a`U`]`g`c`h`Y`g`]h`i`U`h`c`b`W`U`b`V`Y`f`Y`W`h`Z`Y`X`"

## F YWca a YbXYX`F Ygci fWg

### 7ci fgY`9j U`i U`h`c`b`U`b`X`8Yj Y`c`d`a`Y`b`h`

G`h`i`X`Y`b`h`c`d`]b`]c`]b`]c`]b`"\"g`W`c`i`fg`Y`g`Y`Y`a`g`h`c`V`Y`V`j`a`c`X`U`z`k`]h`U`V`c`i`h`&`#`f`Y`U`"m`"]b`[`]h`U`b`X`"%"#`f`Y`U`"m`X`]g`"]b`[`  
]h`"5`h`c`i`[`\`h`Y`g`U`a`d`Y`g`n`Y`]g`h`c`d`c`c`f`h`c`f`i`g`h`Z`"m`]b`h`Y`g`Y`g`i`f`j`Y`m`g`f`(`f`Y`g`d`c`b`g`Y`g`c`i`h`c`Z`%`g`h`i`X`Y`b`h`g`]b`  
h`Y`g`Y`W`h`c`b`"U`g`h`h`a`Y`z`%&`f`Y`g`d`c`b`g`Y`g`c`i`h`c`Z`U`V`c`i`h`i`\$`]b`h`Y`k`\`c`Y`g`i`V`Y`W`h`h`Y`h`a`Y`V`Y`Z`c`f`Y`z`h`Y`a`U`]b`

\]għcfc[ fUd\mik \]Wk `]g`hY`WbhfU`hcd]WcZħY`7 UdghcbY`k ]`VY`a cfY`ZJa ]]Uf`hc`Yj Yfmghi XYbf`

⇒ U[ Y`7 fYX]h

GmbYf[ ]Yg`]b`Gci bX`&\$%\*`

7F ⇒ CG

7F ⇒ CG`Dfcj ]XYf`7cXY.`\$\$\$- ;