



## ARTS2464

7 \]bYgY' ðYUg'cZ6YUi lm'UbX'9fch]WU. '5bW]Ybhlc 'A cXYfb

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



UbX'gUZ'hm/YI Ua ]bUh]cb'dfcW'Xi fYg/gdYW]U`Wc]bg]XYfU]h]cb`]b`h`Y`Yj`YbhcZ]`bYgg`cf`a ]gUXj`Ybhi`fY/  
ghi`XYbh`Yei`]m]UbX`X]gUV`]m]UbX`ch`Yf`YggYbh]U`UW]XYa ]W]bZ`fa`Uh]cbž  
gYY`[\hdg.#k.k"Ufng"i bkg "YXi "Ui #W ffYbhighi XYbng#UW\]XYa \]W\]bZ`fa`Uh\]cb#dfc\]cW`g!\[i \]XY`\]bYg#](#)

7 ci fgY'8YHJ]`g

7 fYX]hDc]bfg`\*`

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

Gi V`Y`W`h`5`f`Y`U` `5`Z`[ `W`e`W`E` f`g`V`[`W`e`

H`\\g`W`e`i` f`g`Y`W`b`U`gc`V`Y`g`h` X`Y`X`]b`h`Y`Z`c`ck`]b`[ `g`d`Y`W`U`]g`U`h`c`b`g` `3`e`[S` `E` f`g`V`[`W`e`i` `a`\_`W` `e`S` `V` `9` `W` `V`W`d`  
E` f`g`V`[`W`e`

H`\\g`W`e`i` f`g`Y`]g`X`Y`g`[ `b`Y`X`'c`'Y`I`d`c`f`Y`'h`Y`'Y`I`d`Y`f`Y`b`W`g`'U`b`X`'f`Y`d`f`Y`g`Y`b`h`U`h`c`b`g`'c`Z`V`Y`U`i` h`m`]b`'7`\\]b`Y`g`Y`'W`'h`i`f`Y`"K`Y`  
k`]`"Y`I`U`a` ]b`Y`'h`Y`' ]b`h`f`g`Y`W`h`c`b`g`'k`'\\Y`f`Y`'d`\\]c`g`c`d`\\]W`U`"X`Y`U`g`'f`B`U`c`]g`a` ž`6`i`X`X`\\]g`a` `U`g`'k`Y`"U`g`'7`c`b`Z` `W`[U`b`]g`a` Ł`  
U`b`X`" ]h`f`U`f`m`W`e`b`j`Y`b`h`c`b`g`' ]b`Z`i`Y`b`W`'7`\\]b`Y`g`Y`'W`e`b`W`d`h`g`'c`Z`V`Y`U`i` h`m`ž` ]b`W`i`X`]b`[ `7`\\]b`U`f`g`'c`b`[ `\\]g`h`c`f`m`c`Z`Y`f`c`h`W`ž`  
U`g`'f`Y`Z`Y`W`X`' ]b`'V`c`h`'k`'f`h`Y`b`'U`b`X`'j` ]g`i`U`'h`I`h`g`"K`Y`k`]`"Y`I`U`a` ]b`Y`'X`]Z`Y`f`Y`b`h`g`d`\\Y`f`Y`g`'c`Z`V`Y`U`i` h`m`]b`'7`\\]b`Y`g`Y`  
W`'h`i`f`Y`ž` ]b`W`i`X`]b`[ `h`Y`'\\i`a`U`b`'V`c`X`m`ž`Z`U`a` ]m`" ]Z`ž`g`c`W`Y`h`m`U`b`X`'b`U`h`i`f`Y`"K`Y`k`]`"W`e`b`g`]X`Y`f`e`i`Y`g`h`c`b`g`'g`i`W`'U`g`.  
K`'\\U`h`i`b`X`Y`f`d`]b`g`'h`Y`'b`c`h`c`'c`Z`V`Y`U`i` h`m`]b`'d`f`Y`!a`c`X`Y`f`b`'7`\\]b`U`3`'K`'\\c`#`'\\U`h`U`f`Y`'W`e`b`g`]X`Y`f`X`'V`Y`U`i`h`ž`'ž`U`b`X`  
k`'\\m`ž`<`U`Y`'Y`U`Y`g`h`Y`h`W`j`U`i`Y`g`'W`X`U`b`[ `Y`X`'c`j`Y`f`h`a`Y`3`<`c`k`3`'K`'\\U`h`U`W`W`e`i`b`h`g`'Z`c`f`h`Y`'f`W`X`'f`Y`d`Y`f`c`]f`Y`'c`Z`  
d`c`Y`h`]W`U`f`h`g`h`W`]a`U`[ `Y`g`'U`b`X`'a`c`h`Z`g`'h`U`h`U`d`' ]b`h`c`'h`c`i`g`U`b`X`'c`Z`m`Y`U`f`g`'c`Z`7`\\]b`Y`g`Y`'\\]g`h`c`f`m`3`'K`'\\U`h`]g`'h`Y`'X`Y`g`]f`Y`X`  
V`U`'U`b`W`'V`Y`h`k`Y`Y`b`'k`[ `/'`k`S`'Y`ž`U`b`X`'V`Y`h`k`Y`Y`b`'Z`Y`a` ]b`]b`Y`'V`Y`U`i`h`m`U`b`X`'a`U`g`W`' ]b`Y`'U`h`f`U`W`h`j`Y`b`Y`g`g`3`'G`i`W`  
e`i`Y`g`h`c`b`g`'U`b`X`'a`c`f`Y`'k`]`"V`Y`' ]b`j`Y`g`h`[ `U`h`Y`X`' ]b`'h`Y`' ][ `\\h`c`Z`7`\\]b`Y`g`Y`'W`e`g`a`c`g`'U`b`X`'U`Y`g`h`Y`h`W`g`'K`Y`k`]`"W`h`W`U`m`  
U`b`U`m`Y`'U`b`X`'U`d`d`f`Y`W`U`h`Y`'V`c`h`'k`'f`h`Y`b`'U`b`X`'j` ]g`i`U`'h`I`h`g`'U`g`'W`'h`i`f`U`'U`f`h`]Z`U`W`g`'U`b`X`'g`m`a`'V`c`' ]W`Y`I`d`f`Y`g`g`]c`b`g`'c`Z`  
U`Y`g`h`Y`h`W`j`U`i`Y`g`"

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

- % " 5 f`h`W`'U`h`Y`'U`'g`d`Y`W`Z`W`W`c`X`m`c`Z`\_`b`c`k`'Y`X`[ `Y`'U`V`c`i`h`W`e`f`Y`'U`g`d`Y`W`g`'c`Z`7`\\]b`Y`g`Y`' ]X`Y`U`g`'c`Z`V`Y`U`i`h`m`U`b`X`  
Y`f`c`h`W`"
- & " 5 b`U`'m`Y`'U`b`X`'W`]h`e`i`Y`'d`f`]a`U`f`m`U`b`X`'g`Y`W`e`b`X`U`f`m`g`c`i`f`W`g`'W`e`b`W`f`b`]b`[ `7`\\]b`Y`g`Y`" ]h`f`U`h`i`f`Y`'U`b`X`'U`f`h`  
'`":`c`f`a`i`'U`h`Y`'U`b`X`'X`Y`Z`f`b`X`' ]b`h`f`d`f`Y`h`U`h`c`b`g`'U`b`X`'U`d`d`f`Y`W`U`h`c`b`'Z`c`f`V`c`h`'h`Y`'k`'f`h`Y`b`'U`b`X`'j` ]g`i`U`'h`I`h`g`'U`g`'U`  
W`'h`i`f`U`'U`f`h`]Z`U`W`h`U`b`X`'g`m`a`'V`c`' ]W`Y`I`d`f`Y`g`g`]c`b`'c`Z`U`Y`g`h`Y`h`W`j`U`i`Y`g`"
- (" G`m`b`h`Y`g`]n`Y`'h`Y`c`f`]Y`g`'U`b`X`'U`d`d`f`c`U`W`X`Y`g`'h`c`'7`\\]b`Y`g`Y`'U`Y`g`h`Y`h`W`g`' ]b`'W`'f`Y`b`h`U`W`X`Y`a` ]W`X`]g`W`e`i`f`g`Y`"  
) " ð`Y`b`h`ž`m`W`e`f`Y`'X`]Z`Y`f`Y`b`W`g`'V`Y`h`k`Y`Y`b`'7`\\]b`Y`g`Y`'U`b`X`'K`'Y`g`h`f`b`'W`e`b`W`d`h`g`'c`Z`V`Y`U`i`h`m`U`b`X`'Y`f`c`h`W`U`]b`'W`c`g`g`!  
W`'h`i`f`U`'W`e`b`h`Y`I`h`g`"

H`Y`U`W`X` ]b`[ `G`h`f`U`h`[ ` ]Y`g`'

g`'V`Y`U`i`h`m`U`j` ]f`h`i`Y`ž`d`c`k`Y`f`c`f`g`c`a`Y`h` ]b`[ `Y`'g`Y`3`'K`'\\U`h`W`e`b`g`h`i`h`Y`g`'V`Y`U`i`h`m`3`'K`'\\U`h`i`b`X`Y`f`d`]b`g`'h`Y`'b`c`h`c`'c`Z`  
V`Y`U`i`h`m`U`b`X`'Y`f`c`h`W`U`]b`'d`f`Y`!a`c`X`Y`f`b`'7`\\]b`U`3`'K`'\\U`h`]g`'h`Y`'X`Y`g`]f`Y`X`'V`U`'U`b`W`'V`Y`h`k`Y`Y`b`'m`b`/`'m`U`b`[ `ž`U`b`X`'V`Y`h`k`Y`Y`b`  
Z`Y`a` ]b`]b`Y`'V`Y`U`i`h`m`/`'a`U`g`W`' ]b`Y`'U`h`f`U`W`h`j`Y`b`Y`g`g`3`H`\\]g`W`e`i`f`g`Y`]g`X`Y`g`[ `b`Y`X`'h`c`'Y`b`W`e`i`f`U`[ `Y`'m`c`i`'h`c`'Y`a`V`U`f`\_`c`b`'U`  
`c`i`f`b`Y`m`h`c`'g`Y`U`f`W`X`'Z`c`f`U`b`g`k`Y`f`g`'k`\\]Y`'Y`I`d`c`f`]b`[ `U`b`X`'Y`b`'c`m`b`[ `h`Y`'V`Y`U`i`h`m`c`Z`7`\\]b`Y`g`Y`" ]h`f`U`h`i`f`Y`'U`b`X`'U`f`h`'h`Y`  
W`e`i`f`g`Y`]g`X`]j` ]X`Y`X`' ]b`h`c`'U`'Z`Y`k`'h`Y`a`Y`g`'b`U`h`i`f`Y`#`U`f`h`'U`b`X`'V`c`X`m`ž`d`\\]c`g`c`d`\\m`ž`" ]h`f`U`h`i`f`Y`'U`b`X`'U`f`h`'h`Y`'Y`W`h`i`f`Y`g`  
]b`h`c`X`i`W`' \_`Y`m`h`Y`c`f`]Y`g`'U`b`X`'X`Y`V`U`h`'g`i`f`f`c`i`b`X`]b`[ `7`\\]b`Y`g`Y`' ]X`Y`U`g`'c`Z`V`Y`U`i`h`m`U`b`X`'U`Y`g`h`Y`h`W`g`'U`g`'c`d`Y`f`U`h`]b`[ ` ]b`  
W`'f`Y`b`h`U`W`X`Y`a` ]W`X`]g`W`e`i`f`g`Y`" H`\\Y`'h`i`h`c`f`]U`g`'U`f`Y`'X`Y`j`c`h`X`'h`c`' ]b`!`X`Y`d`h`'X`]g`W`'g`g`]c`b`'c`Z`h`Y`'W`e`i`f`g`Y`'f`Y`U`X`]b`[ `g`'U`b`X`  
f`Y`'U`h`X`'a`U`h`f`]U`g`" ð`h`Y`X`]g`W`d` ]b`U`f`m`U`b`X`'W`c`g`g`!W`'h`i`f`U`'d`Y`f`g`d`Y`W`h`j`Y`g`'U`b`X`'a`i`'h`!`a`Y`X`]U`'U`d`d`f`c`U`W`'U`f`Y`  
U`X`c`d`h`X`'h`c`'Y`b`\\U`b`W`'m`c`i`f`'Y`U`b`]b`[ `Y`I`d`Y`f`Y`]b`W`W`g`

YbWci fU[ Y'UbX'UgYgg'mci f'Yb[ U[ Ya Ybhk ]h'kY'Wci fgY'Wcbh'bh'z]b'dUfh'W'Uf'hY'k YY\_'mfYUX]b[ g" 'H\Y  
[ fci d'fYgYUfW' d'c'YWh[ ] Yg'mci 'Ub'cddcfh' b]hmhc'g\ck WUgY'mci f'W'h]W'k]b\_]b[ 'UbX'fYgYUfW'g\_]`g'Ug

## 5ggYgga Ybh

Q-YfY'mci 'WUbc'i h]bY'UbmifY'Yj Ubh]bZcfa Uh]cb'hUhk Ug'bc]b]bWl XYX'j]b'5 A G'Vi ha Umidfcj Y'\Y'dZ'`Zcf mci f'gh XYbhg": cfYI Ua d'Yžmci 'a ][ \hdfcj ]XY'XYHJ]g'cb'hY'fYZfYbW]b[ 'gmghYa ž'`b\_g'hc'dfYj ]ci g gh XYbhYI Ya d'Ufg'cf'hY'XYg][ bUH'X'k YY\_]b'hY'Wci fgY'hUhmc'i 'k ]'X]gW gg'hY'UggYgga YbhUh'Yb[ h" ða dcfUbhñž'h]g'gYW]cb'j]g'Ub'UfYU'Zcf'mci 'hc'dfcj ]XY'j]bZcfa Uh]cb'hUhXcYg'bc]h[ c'h'fci [ \ 'hY'Uddfcj YX [ cj YfbUbW'g'f'i W'i fY"Q

C hYf'fY'Yj Ubh]bZcfa Uh]cb'k ]'VY'dfcj ]XYX'cb'hY'Wci fgY'a ccX'Y"

## 5ggYgga YbhHUg\_g'

5ggYgga YbhHUg_	K Y][ \h	8i Y'8UH'	Gh XYbh@YUfb]b[ Ci hWca Yg'5ggYggYX
7 f]h]WU'fYj ]Yk g'	( \$i	7f]h]WU'F Yj ]Yk '%'+#( #&\$% ž ( da /7 f]h]WU'F Yj ]Yk '&.%#) #&\$% ž ( da	&ž)
; fci d'F YgYUfW' Dfc'YWh	( \$i	; fci d'DfYgYbH]cbg'cj Yf'U ZYk 'k YY_g/F YgYUfW'dUdYf Xi Y'hk c'k YY_g'UZfYf dfYgYbH]cb'Vm( da	%ž( ž)
: ]bU'HYgh	&\$i	&' #) #&\$% '\$-.\$\$'5A	%ž&ž( ž)

## 5ggYgga Ybh8YHJ]g

5ggYgga Ybh% '7 f]h]WU'fYj ]Yk g

GHUfhXUH'. Bch5dd']WVY

@Yb[ h. '&\$\$\$!&) \$\$'k cfXg'YUW

8YHJ]g. Gh XYbhg'k f]h'&'W]h]WU'fYj ]Yk g'f& &\$i 'cZ&\$\$\$'!&) \$\$'k cfXg'YUW'cb'hY'Wci fgY'fYUX]b[ a Uhf]U'g": YYXVUW\_j ]U'j]bX]j ]Xi U'Wca a Ybhgž'fi Vf]Wž'UbX'j]b!WUgg'X]gW gg]cb"

5XX]h]cbU'XYHJ]g.

5XX]h]cbU'UggYgga Ybh]bZcfa Uh]cb'k ]'VY'dfcj ]XYX'cb'Wci fgY'a ccX'Y"

Hi fb]h]b'gYh]b[ . H\]g'Ugg][ ba Ybh]g'gi Va ]hY'X'h'fci [ \ 'Hi fb]h]b'UbX'gh XYbhg'WU'gY'Hi fb]h]b'g]a

Gh XYbŕg'k ]"VY'UggYggYX'jbx] ]Xi U"mZcf'hY'dfYgYbhUŕcb'fl !) 'a ]bi H'g'dYf'dYfgcbŁz'Vi hYUWX '[ fci d'k ]" fYVW'j Y'cbY'a Uf\_ Zcf'hY'fYgYUfWX'dUdYf'fl '\$\$!' ) '\$\$'k c'fXg'dYf'dUdYfŁ": YYXVUW\_ j ]U'jbx] ]Xi U' WŁa a Ybŕg'z'fi Vf]WŁUbX'j]b!WUgg'X]gW'gg]cb"

5XX]ŕ]cbU'XYHJ]g.

5XX]ŕ]cbU'j]bZcfa Uŕ]cb'k ]"VY'dfcj ]XYX'cb'WŁi fgY'a ccX'Y"

Hi fb]ŕ]b'gYHŕ]b[ . H\]g'Ugg][ ba Ybh]g'gi Va ]H'X'h'fci [ \ Hi fb]ŕ]b'UbX'gh XYbŕg'WU'g'gY'Hi fb]ŕ]b'g)a ]Uf]m fYdcfŕg"

5ggYgga Ybh' . : ]bU'HYgh

GHUfhXUHY. 'Bch5dd]WU'V'Y

8YHJ]g. 'Gh XYbŕg'WŁa d'YH'U'h'ghf%) \ci fgŁz]bW' X]b[ 'g\c'fhiUbX'YggUml'hdY'ei Ygh]cbg"Gh XYbh'fYVW'j Y U'a Uf\_ z'UbX'WU'b'WŁbgi 'h'hY''YW'i fYf'Zcf'Z' fl'hYf'ZYXVUW\_'H\]g']g'h'Y'Z]bU'UggYgga YbhZcf'U'ŕ]b'X'UbW' di fdcgYg"

5XX]ŕ]cbU'XYHJ]g.

5XX]ŕ]cbU'UggYgga Ybh]bZcfa Uŕ]cb'k ]"VY'dfcj ]XYX'cb'WŁi fgY'a ccX'Y"

Hi fb]ŕ]b'gYHŕ]b[ . H\]g']g'bchU'Hi fb]ŕ]b'Ugg][ ba Ybh





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`fYZf`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`YfY`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`cghm`fYU]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`YfY`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`[ Y`hY`f`ei`chYg`UbX`  
dUfUd`fUgYg`]bhc`U`bYk`k`c`Y`Z`k`]hCi hfY`ZYfYbW]b[ `UbX`U`gh`XYbh`g`ck`b`UbU`mg]g`hc`Vf]b[ 'hY`a`U`hY`f]U`  
hc`[ Y`hY`f`"

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`XU`hY`Zc`f`Zc`f`hY`di`fdcgY`cZ`hY`a`  
d`U[ ]Uf]g]b[ `Uh`Ubmi`ha`Y`Z`dUm]b[ `Ubc`hY`f`dYfgcb`hc`dYfZcfa`Ub`UWUXYa`]W]Ug`\_`Z`ghYU`]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`Y`hY`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`U`j`Y`bchVYYb`fYUX`Z`k`]hCi hUW\_bck`YX[ ]b[ 'hY`"gYW`bXUfm`  
gci`fW`Zca`k`]W`\_bck`YX[ Y`cZ`hY`a`U`g`VYYb`cV]U]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`dUf`Z`k`YfY`]h`Ug`dfYj`]ci`g`m`  
VYYb`dfYdUfYX`cf`gi`Va`]hY`X`Zc`f`Ubc`hY`f`UggY`gga`Ybhcf`W`ei`fgY`U`hI`BGK`cf`Ubc`hY`f`i`b]j`Yfg]m`"

7c`ffY`W`fY`ZYfYbW]b[ `dfUW]W]g.

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

7 ci fgY'GWXYXi `Y

[J.Jyk`WUgg`ha`YhUV`Y](#)

H]a`YhUV`Y`

8UH	HmdY	7cbhYbh
K YY_%`&*: YVfi Ufm!` A UfW	Hcd]W	hfcXi W]cb
	@YWi fy	hfcXi W]cb. K \Uh]g`VYUi hZ`3
	Hi hc]U`	BC`Hi hc]U`
K YY_&.)`A UfW`!`%% A UfW	Hcd]W	5YghYh]Wg/`7\]bYgY`XYUg`cZ6YUi hmUbX`9fch]W
	@YWi fy	`Cj Yfj ]Yk`cb`5YghYh]Wg/`7\]bYgY`XYUg`cZ6YUi hmUbX`9fch]W
	Hi hc]U`	8]gW gg]cb`cZ`hY`hd]WcZ`hY`k`YY_ž]bW] X]b[`hY`YWi`fy`UbX`fYUX]b[`a`UHf]U`
K YY_`. `.%&`A UfW`!`% A UfW	Hcd]W	6YUi hmcZ9Ufh
	@YWi fy	hfcXi W]cb`hc`6YUi hmcZ9Ufh
	Hi hc]U`	8]gW gg]cb`cZ`hY`hd]WcZ`hY`k`YY_ž]bW] X]b[`hY`YWi`fy`UbX`fYUX]b[`a`UHf]U`
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	@YWi fy	hfcXi W]cb`hc`6YUi hmcZ6cX]Yg`UbX`DYcd`Y
	Hi hc]U`	8]gW gg]cb`cZ`hY`hd]WcZ`hY`k`YY_ž]bW] X]b[`hY`YWi`fy`UbX`fYUX]b[`a`UHf]U`
K YY_)`. `&`A UfW`!`% 5df]`	Hcd]W	9UfmF`YZYW]cbg`cb`6YUi hm`%
	@YWi fy	`9UfmF`YZYW]cbg`cb`6YUi hm`%`7`cbZ`W]Ub`UddfcUW
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6fyU_`&`5df]`!`;`5df]`		
K YY_*. `.-`5df]`!`%`5df]`	Hcd]W	9UfmF`YZYW]cb`cb`6YUi hm&
	@YWi fy	9UfmF`YZYW]cb`cb`6YUi hm&.`8Uc]gh/`6i`XX\]gh`UddfcUW`Yg





F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

7ci fgY`fYUX]b[ `a Uhf]U`g`cb`hY`a ccX`Y

F YWca a YbXYX`F Ygci fWg

F YWca a YbXYX`fYgci fWg`UbX`chYf`fY`Yj Ubha Uhf]U`g`k ]`U`VY`dfcj ]XYX`cb`hY`Wci fgY`a ccX`Y"

7ci fgY`9j U`i Uh]cb`UbX`8Yj Y`cda Ybh

H\]g`Wci fgY`k ]`VY`Zcfa U`mYj U`i UHX`hfc] [ `A m9l dYf]YbW"

⇒ U[ Y`7 fYX]h

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

7F ⇒ CG

7F ⇒ CG`Dfcj ]Xyf`7cXY.`\$\$\$- , ;