



ARTS3048

; ch\jW7 i `h fYg. '@]hYfUhi fY `UbX `GWYYb

GYa YghYf`C bY ``#`&\$%

GWcc`cZH Y`5ftg`UbX`A YXJU`..#`I BGK ..5ftg`UbX`GcWJU`..GWYbWg



7ci fgY`Cj Yfj JYk

7ci fgY'8YHJ]`g

7fYX]hDc]bhg '*`

H\YfY'k]"VY" 'Zcfa g'cZUggYgga Ybž'k c'YggUmg'UbX'cbY]b!WUgg'dfYgYbHh]cb" 'H\Y]b!WUgg
dfYgYbHh]cb'k]"Wcbg]ghcZU%\$'a]bi h'c'fU'dfYgYbHh]cb' h.UhXfUk g'cb'h\Y') \$\$'k cfX'V'c['dcghYX'Vm) da
h\Y'dfYj]ci g'XUm' 'Gh XYbŕg'k]"VY'fYei]fYX'hc'dfcXi W'U'dck Yf'dc]bhUg'dUfhcZh\Y'f'c'fU'dfYgYbHh]cb
h.Uhk]"VY'gi Va]hYX'Ug'dUfhcZh\Y'UggYgga YbH' 'H\Y'fUh]cbU'Y'Zc'f'h\YgY'Zcfa g'cZUggYgga Ybh]g'hc'ZcghYf
U'VU'UbW'cZk f]hYb'UbX'c'fU'W'h]W'g_]`g" 'H\Y'V'c[#fU'dfYgYbHh]cb']g'U'gc'dfc[fYgg]j Y'mUggYggYXž'gc
h.Uhgh XYbŕg'k]"\Uj Y'ZYXVUW'cb'&'Ugg][ba Ybŕg'Xi f]b['h\Y'W'ci fgY'UbX'Ub'cddcfh b]mhc'X]gW gg'h\Y'f
k cf_""

5ggYgga Ybh

B6. 'b`cfXYf`hc`dUgg`h\]g`Wci fgYžmci`a i għa U_Y`U'gYf]ci g`UthYa dhUh5@@`UggYgga YbhHug_g''

5ggYgga YbhHug_g`

5ggYgga YbhHug_	K Y][\h	8i Y`8UHŸ	Gh XYbh@YUfb]b[Ci hWta Yg`5ggYggYX
7 f]h]WU`UbU`mg]g`	' \$i	#\$#\$(#&\$% '\$) .\$\$`DA	%ž&ž ž(ž) ž*
A U`cf`W]h]WU`YggUm) \$i	\$(, #\$(#&\$% '\$) .\$\$`DA	%ž&ž ž(ž) ž*
6`c[#GYa]bUf`dfYgYbhU]cb`	&\$i	' %#\$(#&\$&\$ '\$) .\$\$`DA	%ž&ž ž(ž) ž*

5ggYgga Ybh8YHU]`g

5ggYgga Ybh%`7 f]h]WU`UbU`mg]g

GHUfhXUHŸ. Bch5dd`]WV`Y

@Yb[h. `% \$ \$`k cfXg

Gi Va]gg]cb'cZ5ggYgga YbhHUg_g

Gh XYbng'UfY'YI dYWX'hc'di h'AY'f'bUa Yg'UbX'ghi XYbhbi a VYfg'cb'Yj YfmdU[Y'cZ'AY]f'Ugg][ba Ybng"

Hi fb]hb'Gi Va]gg]cb

z'nci 'YbWci bHY'U'dfcV'Ya 'k \Yb'UHYa dh]b['hc'gi Va]h'nci f'Ugg][ba Ybh'fci [\ 'Hi fb]hb'z'd'YUgY
HY'Yd\cbY'9I HYfbU'Gi ddcf'hc'b'-' ,) ' ' ' %cf'Ya U]'h'Ya 'cb'[YI HYfbU'HY'f'gi ddcf'4 i bgk "YXi "Ui "](#)Gi ddcf'h
\ci fg'UfY' , \$\$Ua '-%\$. \$da 'cb'k YY_XUmg'UbX'-' . \$Ua '-) . \$da 'cb'k YY_YbXg'f'*) 'XUmg'U'm'YUf'z'nci
UfY'i bUV'Y'hc'gi Va]h'nci f'Ugg][ba Ybh'Xi Y'hc'U'ZU'i 'hk]h'Hi fb]hb'nci 'a UmiUdd'm'Zcf'Ub'YI HYbg]cb'z'Vi h'nci
a i gh'fY'U]b'nci f'h]W'Yhbi a VYf'Z'ca '9I HYfbU'Gi ddcf'h'f'U'cb['k]h'Ubmc'h'Y'f'f'Y'Yj Ubh'Xc'W a Yb'ng'k'hc
]b'Wi XY'Ug'Yj]XYb'W'hc'gi ddcf'h'nci f'YI HYbg]cb'Udd'j'W'h]cb" z'nci 'Ya U]'9I HYfbU'Gi ddcf'h'nci 'k]'
Ui 'hca Uh]W'U'm'f'Y'W'j'Y'U'h]W'Yhbi a VYf'z'Vi h]Z'nci 'HY'Yd\cbY'nci 'k]'b'YX'hc'gd'Y'W'Z'W'U'm'Ug'_Zcf'cbY"
Hi fb]hb'U'gc'd'f'c]]XYg'i dXU'Y'g'cb'h'Y]f'g'm'gh'Ya 'gh'U'h'g'cb'Hk]h'f'"

; YbYfU'm'z'UggYgga YbhHUg_g'a i gh'VY'gi Va]h'Y'X'Y'Y'W'f'cb]W'U'm'j]U'Y]h'Y'f'Hi fb]hb'cf'U'A cc'X'Y
Ugg][ba Yb'h'-'b]bg'h'Ub'W'g'k \Y'f'Y'h']g']g' b'ch'd'c'g'g]V'Y'z'hk]'VY'g'f'U'Y'X'cb'nci f'Wci fg'Y'g'A cc'X'Y'g]h'Y'k]h'
U'h'f'U'h]j'Y'gi Va]gg]cb'XY'U]g"

@UH'5ggYgga YbhDYbU'h]Yg

5b'UggYggYX'f'Ug_']g'XY'Ya YX'UH']Z]h]g'gi Va]h'Y'X'U'Z'Y'f'h'Y'gd'Y'W'Z'Y'X'h'a Y'Ub'X'X'U'Y'U'g'g'Y'h'ci h]b'h'Y
Wci fgY '@Y'U'fb]b['A UbU[Ya Ybh'G'm'gh'Ya 'f'@A G'L"

H'Y'UH'Y'd'Y'b'U'h'm]g'h'Y'c'g'g'cZ) i 'cZ'h'Y'hc'h'U'd'c'g'g]V'Y'a Uf_g'Zcf'h'Y'f'Ug'_Zcf'Y'U'W'X'U'm'c'f'd'U'f'h'Y'f'Y'c'Z'h'Y
k'cf_']g'UH'Y'@UH'Y'b'Y'g'g'k]']b'Wi XY'k YY_Yb'X'g'Ub'X'di V']W'X'c']X'U'mg" H']g'X'c'Y'g'b'ch'U'dd'm'hc'U'f'Ug_'h'U'h]g
UggYggYX'Vi hbc'a Uf_']g'Uk Uf'XYX"

K'cf_'gi Va]h'Y'X'Z'ci f'h'Y'b'f'@'E'X'U'mg'U'Z'Y'f'h'Y'X'i Y'X'U'Y'k]'VY'a Uf_YX'Ub'X'Z'Y'X'V'U'W'_d'f'c]]XYX'Vi hbc'a Uf_
k]'VY'f'Y'W'f'X'YX" z'h'Y'k'cf_'k'ci 'X'\U'j'Y'f'Y'W'j'YX'U'd'U'gg'a Uf_'Vi h'Z'f'h'Y'UH'Y'b'Y'g'g'Ub'X'h'Y'k'cf_']g'U
W'ca di 'g'c'f'm'W'ci fgY'W'ca d'c'b'Y'b'h'z'U'g'h'XY'b'hk]'VY'XY'Ya YX'hc'\U'j'Y'a Y'h'h'U'h'f'Y'ei]f'Ya Yb'h'H']g'X'c'Y'g'b'ch
U'dd'm'hc'U'f'Ug_'h'U'h]g'UggYggYX'Vi hbc'a Uf_']g'Uk Uf'XYX"

K'cf_'gi Va]h'Y'X'h'k'Y'b'h'c'b'Y'f'&'%E'X'U'mg'U'Z'Y'f'h'Y'X'i Y'X'U'Y'k]'b'ch'VY'U'W'W'd'h'X'Z'c'f'a Uf_]b['c'f'Z'Y'X'V'U'W_
Ub'X'k]'f'Y'W'j'Y'bc'a Uf_'c'f[f'U'X'Y" z'h'Y'U'ggYgga YbhHUg_g'U'W'ca di 'g'c'f'm'W'ca d'c'b'Y'b'h'c'Z'h'Y'W'ci fgY'U
gh'XY'b'hk]'Ui 'hca Uh]W'U'm'ZU]'h'Y'W'ci fgY"

GdY'W'U'7'cbg]XYfU'h]cb'5dd']W'h]cbg

Mci 'W'b'U'dd'm'Z'cf'gd'Y'W'U'W'cbg]XYfU'h]cb'k \Yb']'b'Y'g'g'c'f'c'h'Y'f'W'f'W a gh'Ub'W'g']b'h'f'Z'Y'f'k]h'nci f'
UggYgga Ybh'd'Y'f'Z'ca Ub'W"

G]W'b'Y'g'g'z'a]g'U'X'j'Y'bh'f'Y'c'f'c'h'Y'f'W'f'W a gh'Ub'W'g'VY'nc'b'X'nci f'W'c'b'f'c''a Um

f'D'f'Y'j'Y'bh'nci 'Z'ca 'W'ca d'Y'h]b['U'W'ci fgY'f'Y'ei]f'Ya Yb'h'z'

f'?Y'Y'd'nci 'Z'ca 'U'h'Y'b'X]b['Ub'U'ggYggU'V'Y'U'W'j']m'z'

f'G'h'c'd'nci 'gi Va]h]b['UggYggU'V'Y'k'cf_'Z'cf'U'W'ci fgY'z'

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

: cf`Z`f`h`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]h`ci 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`]h`ci 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`Ufh`UbX`XYg][`b`dfc`YWgZ`Ug`k`Y`Ug`
dfYgYbhU]cbg`k` \YfY`gca`YcbY`dfYgYbh]b[`Ubc`h`Y`f`g`]XYUg`cf`k`cfXg`k`]h`ci hW`YX]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`]h`ci hUW`bck`YX[Ya`Ybh`H`g`U`gc`Udd`]Yg`]b`dfYgYbhU]cbg`k` \YfY`gca`YcbY`
dUfUd`fUgYg`Ubc`h`Y`f`g`]XYUg`cf`k`cfXg`k`]h`ci hW`YX]h` #U`gc`Udd`]Yg`hc`d`]YW]b[`hc` [Y`h`Y`f`ei`chYg`UbX`
dUfUd`fUgYg`]bhc`U`bYk`k` \c`Y`Z`k`]h`ci hfY`ZYfYbW]b[`UbX`U`gh`XYbh`g`ck`b`UbU`mg]g`hc`V`f]b['hY`a`U`h`f]U`
hc` [Y`h`Y`f`

7c`i`g]cb.`k`cf_]b[`k`]h`ch`hYfg`Vi`hdUgg]b[`cZ`h`Y`k`cf_]Ug`U`dYfgcb`g`]bX]j`]Xi`U`k`cf_]7c`i`g]cb`U`gc`
]bW`i`XYg`dfcj`X]b[`mci`f`k`cf_]hc`Ubc`h`Y`f`gh`XYbh`VY`Zc`fY`h`Y`Xi`Y`XU`h`Zc`f`Zc`f`h`Y`di`fdcgY`cZ`h`Ya`
d`U[]Uf]g]b[`Uh`Ubmi`h`a`Y`Z`dUm]b[`Ubc`h`Y`f`dYfgcb`hc`dYfZcfa`Ub`UW`XYa`]W`h`Ug`_`Z`gh`U`]b[`cf`U`W`ei`]f]b[
Ubc`h`Y`f`dYfgcb`g`UW`XYa`]W`k`cf_]UbX`W`dm]b[`]Z`c`Z`Y`f]b[`hc`W`ca`d`Y`h`Ubc`h`Y`f`dYfgcb`g`k`cf_]cf`g`Y`Y_]b[
dUma`Ybh`Zc`f`W`ca`d`Y`h]b[`UW`XYa`]W`k`cf_]`

#Uddfcdf]UHY`W`hU]cb.`7`h]b[`gci`fW`g`k` \]W` \Uj`Y`bch`V`Y`b`fY`U`X`Z`k`]h`ci hUW`bck`YX[]b['hY`gY`W`b`X`U`f`m`
gci fW`Zca`k` \]W`_`bck`YX[Y`cZ`h`Ya` \Ug`V`Y`Y`b`c`V`h]bYX"

8i`d`]W`h]cb`f`f`gY`Z`d`U[]Uf]ga` "E`gi`Va`]h]b[`mci`f`ck`b`k`cf`_`Z]b`k` \c`Y`cf`]b`dU`f`Z`k` \YfY`]h`Ug`d`fYj`]ci`g`m`
V`Y`Y`b`dfY`dU`fY`X`cf`gi`Va`]hY`X`Zc`f`Ubc`h`Y`f`UggY`gga`Ybhcf`W`ei`fgY`Uh`I`BGK`cf`Ubc`h`Y`f`i`b]j`Yfg]m`

7c`ffY`W`h`fY`Z`fY`bW]b[`dfU`W]W`g.

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

