



ARTS3755

8Yj Y`cda Ybh]b`DfUWjWY. `Dfc YW`8Yg][b

HYfa `Hk c`#`&\$&%

7ci fgY`Cj Yfj]Yk

GHJZZ7cbHJW`8YHJ]`g

7cbj Ybcfg

B Ua Y	9a Uj`	5j Uj`UVj]m	@cWjhcb	D\cbY
>cmW`K i	cmW`k i 4 i bgk "YXi "Ui	VmUddc]bħa Ybh	%() žA C F J 9B 6F C K B 6l @8 B;	\$(' (&% %) -

GWXcc`7cbHJW`bZcfa Uhjcb

GWXcc`cZGcWU`GWYbWg

Fcca `%) -

Acfj Yb`6fck b`7 &\$

Ya Uj`.gchg4 i bgk "YXi "Ui

d\cbY. '\$&-' ,) `% \$+

7ci fgY'8YHJ]`g

7fYX]hDc]bmg`*`

Gi a a UfmcZ\hY'7ci fgY

h`h]g`Wci fgYz`mci `k]`XfUk`i dcb`hY`_bck`YX[Y`UbX`g_]`g`Zfca`dfYj]ci g`Wci fgYg`hc`XYg][b`U
\i a Ub]hUf]Ub`cf`XYj Y`cda Ybhdfc`YW"; fci d`k`cf`_`k]`VY`VUgYX`cb`]bhYfX]gW]d`]bUfmWc`UVcfU]cbg`hc
Uff]j Y`UhWYU]j Y`Yj`]XYbW!VUgYX`gc`i`h]cbg`hc`XYj Y`cda YbhWU`Yb[Yg"Mc`i`k]`YI`dYf]YbW`k`cf`_]b[`]b`U
a`i`h]YI`dYf]hUa`z`UbX`YUfb`hY`VUg]Wg`cZdfc`YWhXYg][b`]b`XYj Y`cda YbhUbX`\i a Ub]hUf]Ub`Ugg]ghUbW"
Mc`i`k]`U`gc`\Uj Y`hY`cddcfh`b]h]m]c`Yb\UbW`mci`f`i`bXYfg]UbX]b[`cZU`fY[]cb`cf`Wci`b]fmcZmci`f`Wc]W"
8Y`j`YfYX`]b`U`gYa`]bUf`a`cXY`k`]h`cddcfh`b]h]Yg`Zf`]bXYdYbXYb]h]h`Xmz`h]g`Wci`fgY`]g`XYg][bYX`hc`dfYdUfY
gh`XYbmg`Zf`k`cf`_]b`hY`XYj Y`cda Ybhcf`\i a Ub]hUf]Ub`gYWcf"

7ci fgY`@YUfb]b[`Ci hWca Yg

%` 5dd`mi`hY`Z`bXUa`YbH]g`cZYj`]XYbW!VUgYX`UbX`Wc`bhYI`HgdYW]Z]Wdfc`YWhXYg][b"
&` 5dd`mi`hY`a`cghUddfcdf]U]h`XYj Y`cda YbhUddfcUW]Yg`Zf`VYgh]dfUW]W`dfc`YWhXYg][b
'` 8Yj Y`cd`Ub`]b]bcj`U]j`Y`gc`i`h]cb`hc`U`dfYgg]b[[`cVU`XYj Y`cda YbhWU`Yb[Y"

5ggYgga Ybh

K \Yb'mci 'gi Va]hUb'UggYgga YbhUhl B GK žmci 'UfY'UW_bck `YX[]b['hUhmcı 'Uj Y'i bXYfgtccX'UbX UV]XYX'VmihY'i b]j Yfg]mifYei]fYa Ybfg]b'hY'dfYdUfUhc'b'cZhUhUggYgga Ybh]hYa ž]b'fYgdYVhıCZghı XYbh UWUXYa]Wa]gWcbXi Whıci h]bYX]b'hY'Ghi XYbh7cXY'Dc']WmUbX'Ghi XYbhA]gWcbXi WhıDfcWfXi fYgžVch'cZ k \]W'UfY'Uj U]UV'Y'Uh\hıdg.##ghı XYbhıi bgk "YXi "Ui #WcbXi Wı'Mci 'UfY'U'gc'XYWUf]b['hUhıhY'UggYgga Ybh]hYa ']g'mci f'ck b'k cf_žYi Wdhk \YfY'UW_bck `YX[YXžUbX'Ug'bchVYyb'gi Va]hYX'Zc'UWUXYa]WfYX]h dfYj]ci g'm]b'k \c'Y'cf']b'dUfhı

↳ UXX]hcbžmci 'gi Va]hıhY'UggYgga Ybh]b'hY'_bck `YX[Y'hUh

% hY'Wci fgY'Wcbj Ybcf'a Umdfcj]XY'U'WcdmıCZhY'Ugg][ba Ybhıc'UbchYf'ghıZZc'f'hY'dı fdcgYg cZUggYgga Ybhıcf'Yj U'i Uhıcb/UbX' &" U'WcdmıCZhıg'UggYgga Ybh]hYa 'k]'VY'fYhı]bYX]b'hY'Hi fb]hıb'XUHUVUgY'UbX'a UmVY'i gYX]b'Yj U'i Uhıcbg'cZcf][]bU']mı

I B GK 'dfcj]XYg'gi ddcfhıZc'f'ghı XYbhıg]b'i g]b['Hi fb]hıb'Uh\hıdg.##ghı XYbhıi bgk "YXi "Ui #ı fb]hıb! gi ddcfhı'Hı]g'k YVdU[Y']bWı XYg]bZc'fa Uhıcb'cb \ck 'hc [YbYfUfY'UbX']bıf'fdYfıcf][]bU']mıfıdcfıg']b Hi fb_#b"Gi ddcfhıg'U'gc'Uj U]UV'Y'Zca 'hY'WfıbıfU'Hi fb]hıb' <Y'd'7 Ybhıf'Uh \hıdg.##ı fb]hıb'Wca #bSi g#gi ddcfhıAY'd!Wfıbıfı

D'YUgY'bcıhı'ı B GK ž: UW 'mıUbX'GWıcc'`dfchıWc'g'fY[UfX]b['gdYWıU' Wcbg]XYfUhcıbg'fıhıdg.##ghı XYbhıi bgk "YXi "Ui #gdYWıU'!Wcbg]XYfUhcıbı'Ufı'gi Va]gg]cbg'UbX'fYj]Yk 'cZ fYgi 'ıg fıhıdg.## k k "Ufıg"ı bgk "YXi "Ui #W fYbhıghı XYbhıg#UWUXYa]W]bZc'fa Uhıcb#DfcıhıWc'g!; i]XY']bYg# "8c'a U_Y mci fgY'ZZJa]]Uf'k]hı'hıYgY"

5ggYgga YbhıUg_g

5ggYgga YbhıUg_g	K Y][\h	8ı Y'8UHı	Ghi XYbhı@YUfb]b[Ci hıca Yg'5ggYggYX
7 f]hıWı'5ddfU]gU'cZDfc'YWh 8Yg][b'A YhıcX') \$ı	\$&# \$+&\$&%%% \$ \$'DA	%ž &
Dfc'YWh8Yg][b') \$ı	\$- # \$, #&\$&%%% \$ \$'DA	%ž'

5ggYgga Ybhı8Yhı]`g

5ggYgga Ybhı% '7 f]hıWı'5ddfU]gU'cZDfc'YWh8Yg][b'A YhıcX

GhıfıhıXUHı. 'Bch5dd']WıV'Y

@Yb[hı. %\$\$\$'ıc'%) \$ \$'k cfXg

8Yhı]`g.

@Yb[hı. %ž\$\$\$'ıc'%) \$ \$'k cfXg

8YgW[dh]cb.]b'h]g'k f]hYb'UggYgga YbhZ'mci 'k]''gY'YWhU'hdY'cZXYj Y'cda Ybhdhc YWha YhcX'fZcf
YI Ua d'Yz'hY''c[]WU'ZUa Yk cf_'UddfcUWw/h.YcfmicZVXUb[Y/W]h]WU'dUk'UbU'mg]g/Vca dcbYbhVUgYX
XYg][b/[YbXYf'a U]bgfYUa]b[LzVf]YZm]bhcXi W' h.Y'a YhcXz'UbX'dfcj]XY'U'hf[YhXz'W]h]WU'UddfU]gU'
UVci hcbY'_YmgfYb[h'UbX'cbY'_Ymk YU_bYgg'cZhY'UddfcUWw

Mci 'k]''fYW]j Y'k f]hYb'ZYXVUW'UbX'U'bi a Yf]WU' [fUXY'k]h]b'hk c'k YY_g'cZgi Va]gg]cb'h'fci [\ 'hY
I b]j Yfg]mfj '@YUfb]b['A UbU[Ya YbhGmg]Ya 'f@A G'L' H\Y'ZYXVUW'g\YYhfi Vf]Wk]''VY'Uj U]UV'Y'hc'mci 'Uh
h.Y'ghUfhcZhY'Vci fgY'gc'hUhhYmWUb'k cf_'hc k UfXg'gdYW]ZYX'ghUbxUfXg"

5XX]h]cbU'XYhU]g.

D'YUgY'gYY'A ccX'Y'Zcf'a cfY]bZcfa Uh]cb"

Gi Va]gg]cb'bc'hYg. 'Cb']bY'gi Va]gg]cb

Hi fb]h]b'gYh]b[. H\]g'Ugg][ba Ybh]g'gi Va]hYX'h'fci [\ 'Hi fb]h]b'UbX'ghi XYbhg'WUb'gYY'Hi fb]h]b'g]a]'Uf]m
fYdcfmg"

5ggYgga Ybh&. Dfc YWh8Yg][b

GhUfhXUHY. 'Bch5dd']WUV'Y

@Yb[h. " \$\$\$'hc") \$\$'k cfXg

8YhU]g.

@Yb[h. " \$\$\$'hc" z) \$\$'k cfXg

8YgW[dh]cb. 'mci 'k]''WYUHY'U'XYj Y'cda Ybhdhc YWhdfc dcgU''Mci 'a i gh]bWi XY'hY'Zc''ck]b['Vca dcbYbhg.
6UW_[fci bX#fU]cbU'Y'Zcf'hY'XYj Y'cda Ybhdhc YW'dfc YWh[cU'g'UbX'ci hVca Yg/hY'UW]j]h]Yg'cZhY
dfc YWhUbX'k \mi'hYmUFY 'bYW'ggUfmz'hY'dfc YW]g'hUf[YhX'VYbYZ]WUf]Yg'UbX'k \m'dfc YWh]a YZUa Y'UbX
Yg]h]a UhX'Vi X[Yh'5'fUb[Y'cZhYa d'UhYg'UbX'dfc YWhXYg][b'dfc dcgU'g'k]''VY'a UXY'Uj U]UV'Y'Zcf']XYUgž
Vi h'mci 'k]''VY'YI dYW]X'hc'i bXYfU_Y]bXYdYbXYbhYfYgUfW'Ug'k Y''hc'XYj Y'cd'UbX'XYg][b'hY]f'dfc YWh'

Mci 'k]''fYW]j Y'k f]hYb'ZYXVUW'UbX'U'bi a Yf]WU' [fUXY'k]h]b'hk c'k YY_g'cZgi Va]gg]cb'h'fci [\ 'hY
I b]j Yfg]mfj '@YUfb]b['A UbU[Ya YbhGmg]Ya 'f@A G'L' H\Y'ZYXVUW'g\YYhfi Vf]Wk]''VY'Uj U]UV'Y'hc'mci 'Uh
h.Y'ghUfhcZhY'Vci fgY'gc'hUhhYmWUb'k cf_'hc k UfXg'gdYW]ZYX'ghUbxUfXg""

5XX]h]cbU'XYhU]g.

D'YUgY'gYY'A ccX'Y'Zcf'UXX]h]cbU']bZcfa Uh]cb"

Gi Va]gg]cb'bc'hYg. 'Cb']bY'gi Va]gg]cb

Hi fb]h]b'gYh]b[. H\]g'g']bchU'Hi fb]h]b'Ugg][ba Ybh

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

5`hY`Wci fgY`fYUX]b[gZ`UggYgga YbHg`]bZcfa Uhcbza Uf_]b[`fi Vf]WUbX`chYf`dfYgWf]VYX`fYgci fWg`k`j`VY Uj U]UV`Y`Zcf`Xck b`cUX#`]Yk`]b[`cb`hY`A ccX`Y`dU[Y`

F YWca a YbXYX`F Ygci fWg

D`YUgY`Wcbgi`hA ccX`Y`

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

Gh XYbhZYXVUW`cZYj U`i Uh]cb`]g`Wfi W]U`hc`XYj Y`cd`UbX`]a`dfcj Y`h.]g`Wci fgY`Z`fH`Yf`]b`gi VgYei YbhmYUfg` A m9I dYf]YbW`gi fj Ymk`j`VY`WcbXi WYX`hck UfXg`hY`YbX`cZ`hY`hYfa`"5hK`YY`_`'zhYfY`k`j`VY`U`Wci fgY` \YU`h`WY`W`k`]h`hY`WUgg`"H`]g`k`j`VY`Ub`cddcffi`b]miZcf`gh`XYbHg`hc`dfcj`]XY`ZYXVUW`UbX` gi`[`[`Ygh]cbg`cb`YWfi`fY`Z`WcbH`bH`fYUX]b[gZ`h`hc`f]U`UWfi`]h]Yg`UbX`chYf`h.]b[g`k` \]W`k`j`Yb`UbW`YUfb]b[YI dYf]YbW`"

Gi Va]gg]cb`cZ5ggYgga YbhiHUg_g

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

≠mci`YbWci bHYf`U`dfcV`Ya`k` \Yb`UHYa` dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiHfci`[`\`Hi`fb]h]bzd`YUgY`
HY`Yd\cbY`9I`HYfbU`Gi`ddcfhcb`-`,`)`"``"``%cf`Ya`U]`H`Ya`cb`YI`HYfbU`HY`hgi`ddcfh4`i`bgk`"YXi`"Ui`""Gi`ddcfh`
\ci`fg`UfY`,`.\$\$Ua`-`-%\$.\$\$da`cb`k`YY`XUmg`UbX`-`.\$\$Ua`-`).\$\$da`cb`k`YY`YbXg`f1`*)`XUmg`U`mY`Uf2`"≠mci`
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiXi`Y`hc`U`ZU`i`hk`]H`Hi`fb]h]b`mci`a`UmUdd`mZc`f`Ub`YI`HYbg]cbz`Vi`hmc`i`
a`i`ghfYHU]b`mci`f`h]W`Yhbi`a`VYf`Zca`9I`HYfbU`Gi`ddcfhU`cb[`k`]H`Ubmc`H`Yf`fY`Yj`UbhXcW`a`YbHgE`hc`
]bWi`XY`Ug`Yj`]XYbVW`hc`gi`ddcfhmc`i`f`YI`HYbg]cb`Udd`]WU]h]cb`"≠mci`Ya`U]`9I`HYfbU`Gi`ddcfhmc`i`k`]`
Ui`hca`UH]WU`mifYW]j`Y`U`h]W`Yhbi`a`VYfz`Vi`h]Zmci`HY`Yd\cbY`mci`k`]`bYYX`hc`gdYW]Z]WU`mUg`Zc`f`cbY`"
Hi`fb]h]b`U`gc`dfcj`]XYgi`dXUH`g`cb`H`Y]f`gmghYa`g`hU`h`g`cb`Hk`]HYf`"

;`YbYfU`mz`UggYgga`YbhiUg_g`a`i`ghVY`gi`Va`]HYX`Y`YWfcb]WU`mj`]U`Y]H`Yf`Hi`fb]h]b`cf`U`A`ccX`Y`
Ugg][`ba`Ybhi`b`]bgHUbVW`g`k`\YfY`H`g`]g`bchdcgg]V`YZ`]hk`]`VY`ghUH`X`cb`mci`f`Wci`fgY`g`A`ccX`Y`g]H`k`]H`
U`HYfbUH]`Y`gi`Va`]gg]cb`XYHU]g`"

:`cf]bZcfa`UH]cb`cb`\ck`hc`gi`Va`]hUgg][`ba`YbHg`cb]bY`j`]U`A`ccX`Y`.\`hdg`#gh`XYbhi`bgk`"YXi`"Ui`Ack`!
gi`Va`]hUgg][`ba`Ybhi`a`ccX`Y`"

5 WUXYa]W< cbYgmiUbX`D`U[]Uf]ga

D`U[]Uf]ga `]g`i`g]b[`h`Y`k`c`f`X`g`c`f`]X`Y`U`g`c`Z`c`h`Y`f`g`i`U`b`X`d`f`Y`g`Y`b`h]b[`h`Y`a` `U`g`m`c`i`f`c`k`b`" `#`W`U`b`h`U`_`Y`a` `U`b`m`
Z`c`f`a`g`Z`Z`c`a` `X`Y`]V`Y`f`U`h`Y` `W`X`Y`U`h]b[`h`c` `U`W`W`Y`X`Y`b`h`U` `m`i`W`c`d`m]b[`Z`c`a` `U`g`c`i`f`W` `k`]h`c`i`h`U`W`_`b`c`k` `Y`X[`Y`a` `Y`b`h`

I`B`G`K` `[`f`c`i`d`g`d`U[]Uf]ga `]b`h`c` `h`Y` `Z`c` `c`k`]b[`W`U`h`Y`[`c`f`]Y`g.

- i bXYfgHUbX'mci f'f][\hg'UbX'fYgdcbg]V]]hYg'Ug'U'gh XYbhUhl BGK
-

5 WUXYa]W=Zcfa Uh]cb

: cf`YggYbh]U`ghi XYbh]bZcfa Uh]cb`fY`Uh]b[`tc.

- fYei Ygth`Zcf`Yl Hrbg]cb/