



ARTS3875

8YWŁ`cb]g]b[`F YgYUfVX `A Yh`cXg

HYfa `Cby`#`&\$&%

GWcc`cZGcWJU`GWYbWg`#`I BGK ``5ffg`UbX`GcWJU`GWYbWg



7 ci fgY`Cj Yfj]Yk

GhJZZ`7 cbhJWw`8 YhJ]`g

7 cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cW]h]cb	D\cbY
H]a ch\mi< YZZYfbUb	h\YZZYfbUb4 i bgk "YXi "Ui	6miUddc]bha Ybhcb ncca	A cfj Yb`6fck b 6i]X]b[

GW\cc``7 cbhJWw`bZcfa Uh]cb

GW\cc``cZGcW]U`GWYbWg

F cca`%) -

A cfj Yb`6fck b`7 &\$

Ya U]`.gcgg4 i bgk "YXi "Ui

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

5ggYgga Ybh

<Ufj UfX fYZfYbWb['a i ghVY'i gYX'Zc'f'U''k f]Hb'Ugg][ba Ybhg" D'YUgY'gYY'h.]g
fYgci fW. [\hdg.#gh.XYbhi.bgk"YXi."Ui.#Ufj.UfX.fYZfYbWb\[](#)

5ggYgga YbhHUg_g

5ggYgga YbhHUg_	K Y][\h	8i Y'8UH	Gh XYbh@YUfb]b[Ci hWta Yg'5ggYggYX
F YZYI]j Y'9ggUm	&\$i	%&# \$' #&\$&%%%\$ \$'DA	%ž' &ž'*
; fci d'DfYgYbHfcb'	&\$i	GYa]bUfg') ž'+ž'- /' %\$	&ž' ž'(ž)
:]bU'9ggUm	* \$i	\$(# \$) #&\$&%%%\$ \$'DA	%ž' ž)

5ggYgga Ybh8YHU]`g

5ggYgga Ybh% F YZYI]j Y'9ggUm

GhUfhXUH. 'Bch5dd`]WVY

8YHU]`g.

Gh XYbhg'UfY'fYei]fYX'hc'k f]H'U'&\$\$'k c'fX'fYZYI]j Y'YggUmik \]W]bhYfUWg'k]h'U'_Ymgci fW'cb'Wfcgg
W'hi fU'YbWci bhYfg" H\Yma i ghfYZYI]j Y'mYb[U[Y'k]h'k \Uhih.]g'a][\hia YUb'Zc'f'hYa 'Ug'fYgYUfWYfg"
K f]Hb'ZYXVUW'k]'VY'dfcj]YX']b'WUgg"

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

Gh XYbhg'UfY'fYei]fYX'hc'k f]H'U'&\$\$'k c'fX'YggUmik \]W]bhYfUWg'k]h'HK C'_YmH]I hg.

%'H\Y'g\cfhVcc_l Z[fWV'S 5g'fgdWfk U[Ub'%'-%
&"H\Y' b'f'cXi W'cfmW'Udh'f'hc'@]bXU'Hi \]k U]'Ga]h'f'f&\$\$&L 6WJa'a` [[Y ? WZaVa'aY[W

H\Y'YggUmgl'ci 'X'VY'fYZYI]j Y']b']b'Uhi fY" Gh XYbhg'UfY'YbWci fU[YX'hc' %&fYUX'YUW']h'i hž'&fYZYWh'cb'h.Y
a U]b'h.Ya Yg'X]gW'ggYX'UbX'" E'W'bbYWh'h.Yg'Y'h.Ya Yg'hc'h.Y]f'i bXYfgh]bX]b['cZXYW'cb]g]b['fYgYUfW
dfUW]Wg": c'f]bg]h]bW'ž']b'h.Y'VcXmcZmci f'YggUmž'mci 'a Umik]g'hc'X]gW'gg'Ubm]bi a VY'f'cZ'h.Y'Z'ck]b[
dc]bhg. 'K \Uhi]g'h.Y'a U]b'Uf[i a Ybh'K \c']g'h.Y']bhYbXYX'Ui X]YbW'3'K \Uhidcg]h]cb'XcYg'YUW'Ui h'cf
HU_Y'3'K \Uhi]bg][\hXc'h.Yg'Y'h'i hg'cZYf'3'K \Uhi]X'mci 'YUfb'3'8]X'fYUX]b['h.Yg'Y'h'i hg'W'U]b[Y'h.Y'k Um
mci 'h]b'_UVci h'Wfcgg]W'hi fU'Yb[U[Ya Ybhg'3'<ck'3'K \n'3'K \Uha][\h'h.]g'a YUb'Zc'f'mci 'Ug'U'fYgYUfW
gh XYbh'Yh'W"

Gh XYbhg'g\ci 'X'Yb[U[Y'k]h'YUW']h'i h'vmigY'YW]b['ei c'HYg'c'f'dUfUd\ fUg]b['dc]bhg'hc']'i ghfUH'h.Y]f
]XYUg'fd'YUgY'Xc'h.]g']b'a cXYfU]h]cbž'\ck Yj Yf" H\YfY']g'bc'bYX'hc'ei c'h'Yi W'gg]]m'Gh XYbhg'g\ci 'X
ZUa Y'h.Y]f'YggUmUfci bX'Yd]g]hYa c'c[mž'cb'hc'c[m]UbX'U]]c'c[m]f'k \]W'k Y'k]'W'ej Yf']b'WUgg'G'a U'
W'ca a Ybhg'k]'VY']j Yb'cb'YUW']h'i XYbhg'YggUmUbX'c] YfU'ZYXVUW'k]'VY'dfcj]YX']b'WUgg"

Hi fb]h]b'gYH]b[. H\]g'Ugg][ba Ybh]g'gi Va]H'X'h'fci [\Hi fb]h]b'UbX'gh XYbhg'Xc'bc'hgY'Hi fb]h]b
g]a]Uf]m]fYdc'f'g"

5ggYgga Ybh&. ; fci d'DfYgYbHhc b

GHUfhXUHY. 'GYa]bUf:]j Y'cbk UfXg

@Yb[h. '(\$'A]bi h' ; fci d'DfYgYbHhc b

8YHJ]g.

Gh XYbHg'k]''dUfh]W]dUHY]b'U' [fci d'dfYgYbHhc b]b'cbY'k YY_'cZUWggYg" H\Ymik]''k cf_ 'Wc''YW]j Y'mUbX fYW]j Y'U' [fci d'a Uf_'Zcf'h]g'hUg_": YYXVUW_]g' []j Yb'j YfVU''mUZhf'hY'dfYgYbHhc b UbX'hY'a Uf_'Zcf'h]g UggYgga YbhH]g_]g' []j Yb']b'k f]h]b['hc'hY'gh XYbhUh'hY'YbX'cZ'hY'gYa YghYf"

5XX]h]cbU'XYHJ]g.

; fci dg'k]''VY'cf[Ub]gYX']b'K YY_'C bYžgc'd'YUgY'VY'gi fY'hc'U'fhY'bX'hY'Z]fghgYa]bUf'"Gh XYbHg'k]''VY Ug_YX'hc'ZUW]]HUY'U'X]gW gg]cb'cb'hY'k YY_'g'fYUX]b[gžfU]gY'VfcUXYf'W]h]WU''ei Ygh]cbg'Zcf'hY'WUgg'hc X]gW ggžUbX'hc'ZUW]]HUY'UW]j]h]Yg'k]h'WUgga U'hYg'"DUfhcZ'h]g'UggYgga Ybh]g'g]a]Uf'hc'U''dfYgYbHhc b'' Ug'mci'k]''VY'dfYgYbH]b['mci'f']XYUg'hc'hY'WUgg'VUgYX'cb'hY'gYhfYUX]b[g'"DUfhcZ'h]g'UggYgga Ybh]g U'gc'g]a]Uf'hc'U''ZUW]]HUY'cb''Ug'mci'k]''VY'ZUW]]HUY'b['UbX'[i]X]b['X]gW gg]cb'UbX'UW]j]h]Yg'"Gh XYbHg'k]''k cf_ 'Wc''YW]j Y'mUbX'fYW]j Y'U' [fci d'a Uf_'J YfVU''Z'YXVUW_]k]''VY' []j Yb'UZhf'hY'dfYgYbHhc b'UbX'U [fUXY'k]''VY' []j Yb'Uh'hY'YbX'cZ'hY'hYfa "

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

5ggYgga Ybh' . :]bU'9ggUm

GHUfhXUHY. 'Bch5dd']WUV'Y

@Yb[h. ' ž) \$\$\$

8YHJ]g.

Gh XYbHg'UfY'fYei]fYX'hc'k f]hY'U'') \$\$\$'k cfX'Yb[h'YggUmdcfhZc']cžUbX'Yb[U[Y'k]h' hY'fY'Yj UbhgYhUbX k]XYf'Wc'i fgY']hYfUhi fY'hc'dfcXi W'Ub'UWUXYa]WUf[i a YbhUbX'fYZYW]cb''&ž) \$\$\$'k cfX'YggUmVUgYX'cb gYa]bUf'Wc'bH]b]z'UbX'a U[]a i a 'cZ%'\$\$\$!k cfXg'WYU]j Y'a YhcXc'c[mfYZYW]cb"

H\]g']g'hY'Z]bU'd]YVW'cZUggYgga YbhZcf'hY'Wc'i fgY"

K f]hY'b'Z'YXVUW_]g' []j Yb'hc'gh XYbHg'k c'k YY_g'UZhf'UggYgga Ybh]g'gi Va]hYX"

5XX]h]cbU'XYHJ]g.

Gh XYbHg'UfY'fYei]fYX'hc'k f]hY'U'' ž) \$\$\$'k cfX'Yb[h'YggUmdcfhZc']cžWc'a df]g]b['cZU'&ž) \$\$\$'k cfX'YggUm 5B8'U'%'\$\$\$'k cfX'WYU]j Y'fYZYW]cb"

Gh XYbHg'g\ci 'X'Yb[U[Y'k]h' hY'fY'Yj UbhgYhfYUX]b[g'Zca' hY'Wc'i fgY'UbX'k]XYf']hYfUhi fY'hc'dfcXi W'Ub'UWUXYa]WUf[i a YbhUbX'fYZYW]cb''

: cf'hY'&ž) \$\$\$'k cfX'YggUmž'mci'k]''W'ccgY'U'gdYW]Yg'cZ'X] [Ybci g'5i ghfU']Ub'ZcfU'CF'Z]i bU'UbX

5 hYbXUbW F Yei]fYa Ybhg

D YUgY bchY hUhgYa]bUf fYWcfX]b[g UfY bchUj U]UV Y Zcf h]g Wci fgY" Gh XYbhg UfY ghfcb[mYbWci fU[YX hc UHhYbX U WUggYg UbX WcbUWhhY Wci fgY Wcbj Ybcf hc a U_Y U hYfbUhj Y UffUb[Ya Ybhg Zcf WUggYg a]ggYX" H\]g]g dUfh]W Ufm]a dcfUbhUg UggYgga YbhUg_g k] VY Wca a YbWX]b WUgg fUbX Z]bU]gYX]b mci f'ck b'ha Y UZfY WUggE z mci a]gg U gYa]bUfz mci k] VY fYei]fYX hc gi Va]hrc U &\$ \$ k c fX fYZYW]cb Zcf YUWX d fYgW]VYX fYUX]b[]b Ubma]ggYX k YY_"

7 ci fgY GWX YXi Y

[J \]yk WUgg ha YhUV Y](#)

H]a YhUV Y

8 UH	HmdY	7 cbhYbh
K YY_% %) : YVfi Ufm! %- : YVfi Ufm	Hcd]W < ca Yk cf_	G YH]b[h Y gWbY Zcf XYWc cb]g]b[fYgYUfW D YUgY Z]bU]gY mci f fYUfb]b[ghUHa YbfUbx i d'cUX]hrc A ccX Y Vm) da ž: f] %- : YV"
K YY_& .& : YVfi Ufm! * & : YVfi Ufm	Hcd]W	GcWU fYgYUfW Ug]b hYj Ybhcb"
K YY_ " . %A UfW !) A UfW	Hcd]W	9 h bc[fUd \mUbX Y h bc[fUd \]WdfU]g
K YY_(. : A UfW ! %& A UfW	Hcd]W	K Um g'cZ_bck]b[.]X][Ybci g UbX k Yg hYfb _bck YX[Y Wcbghf Vg
K YY_) . % A UfW ! %- A UfW	Hcd]W	9 h]Wg . < ck Xc k Y Xc [ccX Z \cbYghUbX fYgdYWZ fYgYUfW 3
K YY_* . && A UfW ! * & A UfW	Hcd]W	B c gYa]bUf h]g k YY_ ! : YI]V]]mik YY_
K YY_+ . &- A UfW ! & 5df]	Hcd]W	7 fYUhj]mUbX WYUhj Y a Y h cXg
K YY_ . :) 5df] ! - 5df]	Hcd]W	F YZYI]j]mUbX W]h]WU gY Z Uk UfYbYgg
K YY_- . %& 5df] ! %* 5df]	Hcd]W	C fU \]ghc fmUbX hYgha cbm
K YY_ %\$. %- 5df] ! ' & 5df]	Hcd]W	7 cbhYbhUbX X]gWci fgY UbU mg]g

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

H\ fY`UXX]hcbU`hYI hg`UfY`fYeI]fYX`rc`Wta d`YhY`UggYgga YbhcbY`UbX`h`fY`"D`YUgY`Z]bX`h`YgY`hYI hg`
`cW]hYX`]b`h`Y`7 ci fgY`HYI h`@]ghcb`A ccX`Y"

F YWta a YbXYX`F Ygci fWg

K \]ghhY`]bhYfbYh]g`bchfYWta a YbXYX`Ug`mci f`Z]fghdcfhcZWU`Zcf`fYgYUfWz`]hW]b`c`ZYf`gca Y
j U`i UV`Y`]bZcfa Uhcb`fY[UfX]b[`Ubh`fcdc`c[m]UbX`gcW]c`c[mZ`Yh`]WgZ`W`XYg`cZYh`]WgZ`gcW]U`fYgYUfW
a Yh`cXgZ`UXj cW]W]h]UbX`i a Ub`f][`h`g"

D`YUgY`gYY`h`Y`fYWta a YbXYX`Ufh]WYgZ`WUdhYfg`UbX`Vcc_g`]b`h`Y`f]i [[YghYXf]gYW]cb`cZ`h`Y`7 ci fgY`HYI h`
@]ghZ`k`]\W`mci`a Um]Z]bX`rc`VY`i gYZ`i`k`Yb`Wta d`Yh]b[`h`Y`UggYgga Ybh]g`]b`h`]g`Wta fgY"

7 ci fgY`9j U`i Uhcb`UbX`8Yj Y`cda Ybh

WZcfa Uhcb`cb`Wta fgY`Yj U`i Uhcb`UbX`XYj Y`cda Ybhk]`VY`a UXY`Uj U]UV`Y`rc`gh`XYbh]g`]U
A ccX`Y`rc`k UfXg`h`Y`YbX`cZ`h`Y`h`Yfa "": cf`a cfY`]bZcfa Uhcb`Z`gYY
\h`dg`#h`YUW]b["i bgk "YXi "Ui #a mYI 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]b`z`d`YUgY`
HY`Yd`cbY`9I`HYfbU`Gi`ddcfhcb`-`,`)`"``"``%cf`Ya`Uj`h`Ya`cb`YI`HYfbU`HY`hgi`ddcfh4`i`bgk`"YXi`"Ui`""Gi`ddcfh`
`lci`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`Zji`hk`]h`Hi`fb]h]b`mci`a`UmUdd`mZc`f`Ub`YI`HYbg]cb`z`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`Ybhtg`L`hc`
]bWi`XY`Ug`Yj`]XYbVW`hc`gi`ddcfhmc`i`f`YI`HYbg]cb`Udd`]W]h]cb`"≠mci`Ya`Uj`9I`HYfbU`Gi`ddcfhmc`i`k`]`
Ui`hca`U]WU`mifYW]j`Y`U`h]W`Yhbi`a`VYf`z`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`h]b]bg]h]bVW`g`k` \YfY`h`lg`]g`bchidcgg]V`Yz`]hk`]`VY`ghUHYX`cb`mci`f`Wci`fgY`g`A`ccX`Y`g]h`k`]h`
U`HYfbU]h]`Y`gi`Va`]gg]cb`XYhU]g`"

:`cf]bZcfa`U]cb`cb`lck`hc`gi`Va`]hUgg][`ba`Ybhtg`cb]bY`j`]U`A`ccX`Y`.`h`hdg`#gh`XYbhi`bgk`"YXi`"Ui`Ack`!
gi`Va`]hUgg][`ba`Ybhta`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]WbZcfa Uh]cb

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

- fYei Ygh]Zcf`YI H`bg]cb/
- `Uh`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk `cZa Uf_g/
- I B GK `<YU`h`UbX`GUZY`midc`]WYg/
- YI Ua]bUh]cb`dfcW`Xi fYg/
- gdYW]U`W`bg]XYfUh]cb`]b`hY`Yj YbhcZ]`bYgg`cf`a]gUXj Ybh fY/
- gh XYbhYei]mUbX`X]gUV`]m/
- UbX`c`hYf`YggYbh]U`UWUXYa]W]bZcfa Uh]cbž`gYY