



ARTS3125

9l dYf]a Ybhg]b `DYfZcfa UbW`UbX`A YX]U

HYfa `Cby`#`&\$&%

7ci fgY`Cj Yfj]Yk

GHJZ'7cbHJW`8YHJ]`g

7cbj Ybcfg

| BUa Y | 9a U] | 5j U]UV]]m | @cW]h]cb | D\cb\$%o |
|-------|-------|-------------|----------|----------|
| | | | | |

7 ci fgY'8YHJ]g

7 fYX]hDc]bhtg '*

Gi a a UfmcZ\hY'7 ci fgY

: fca`XUbW]b[`fcVchg`hc`ga Ufh\cbY`hYUhfYgZ`hJg`Wci fgY`YI Ua]bYg`hY`g\]Z]b[`fY`Uhfcbg\]d`VYrk`YYb`hYVXbc`c[m]UbX`dYfZcfa`UbW`W`h`fYg`" `#iVcbg]XYfg`hY`YI dUbX]b[`Z]Y`X`cZX][]H`W`h`fY`UbX`\ck`]htg`Udd`]W]h]cbg`\Uj`Y`hfUbgZcfa`YX`hY`dUfUa`YHfg`cZdYfZcfa`UbW`UbX`fYdfYgYbh]h]cb`"Mci`k`j`cVgYfj`Y`U`fUb[`Y`cZdYfZcfa`UbW`cV`Y`W`gZ`U`W]j`]hYgZ`Yj`Ybhtg`UbX`VY`Uj`]ci`fg`dfcXi`W`X`]b`hY`YI`VX`Ub[`Y`VYrk`YYb`hY`VcXmi`UbX`bYk`a`YX]U`"Mci`k`j`X`fUk`cb`Y`U`X]b[`YI`Ua`d`Yg`hc`XYj`Y`cd`mci`f`ck`b`j`]j`Y`YI`dYf]a`Ybhtg`U`W`cgg`d`U`hZcfa`g`h`Uhi`gY`Hk`]hYfZ`a`cV]Y`a`YX]U`Z`gi`fj`Y`]`UbW`UbX`Mci`Hi`VY`"Mci`k`j`YI`d`c`fY`hY`W`cbj`Yf[`YbW`cZ`dYfZcfa`UbW`[`YbYfYgZ`hY`fYa`YX]U]h]cb`cZ`Ufhk`cf`gZ`hY`c`fY`h]W`"W`cbW`dhtg`gi`VX`Ug`dcg`h`i`a`Ub]ga`UbX`W`VYfY`h]W`gZ`UbX`\ck`j`]j`Y`dYfZcfa`UbW`Yb[`U[`Yg`k`]h`W`cbh`a`dcfUfmW`h`fU`VX`Ub[`Y`"

7 ci fgY`@YUfb]b[`Ci`hW`a`Yg

- %` ÆYbh]Zm]UbX`X]gW`gg`_YmXYj`Y`cda`Ybhtg`]b`W`cbh`a`dcfUfmdYfZcfa`UbW`]b]gd]fYX`VmXYj`Y`cda`Ybhtg`]b`hYVXbc`c[`m`
- &` 9j`U`i`U`h`h`Y`Yj`c`j`]b[`fY`Uhfcbg\]d`VYrk`YYb`hYVXbc`c[m]UbX`UYgh`Y`h]W`g`
- '` "5ggYgg`hY`fc`Y`cZ`h`VXbc`c[`m]b`dYfZcfa`UbW`\]g`h`fmi`UbX`]b`fY`W`bh`hY`c`fY`h]W`"XYVU`hY`g`]b`hY` \i`a`Ub]h]Yg`
- (` "8Ya`cbgh`fU`h`Ub`UXj`UbW`X`_bck`YX[`Y`cZX]Z]fYbha`cXYg`cZdYfZcfa`UbW`UbX`Ub`Udd`fY`W]U]h]cb`cZ`hY]f`W`h`fU`UbX`\]g`h`f]W`"gdY`W]Z]W]m`
-)` "6Y`h`Y`f`i`bXY`fU`_Y`W`h]W`"XYVU`h`cb`W`cbh`a`dcfUfmW`h`fU`]ggi`Yg`
- *` "Di`fgi`Y`]bX]j`]Xi`U`[`i`]X`Y`X`fY`gY`U`fW`X`
- +` "7`cbgh`f`i`W`h`gi`g`U]b]Y`X`W`h]W`"Uf[`i`a`Ybh]b`hY`Zcfa`cZ`fYj`]Yk`g`c`f`Ygg`Umg`
- ,` "8Ya`cbgh`fU`h`U`h`c`f`ci`[`_bck`YX[`Y`cZ`g`Y`W`Y`X`hY`c`fY`h]W`"dY`fg`dY`W]j`Yg`UbX`fY`gY`U`fW`X`a`Y`h`c`Xg`

HYUW]b[`G`h`fU`h`[]Yg`

F`U]h]cb`U`Y`

H\]g`Wci fgY`]g`XYg][`bYX`hc`ZUW]h]U`h`gh`XYbhtg`"YUfb]b[`VmYghU`V`]g\]b[`U`a`i`h`ja`cXU`hYUW]b[`ghfi`W`h`fY`]b`k`\]W`gh`XYbhtg`X]gW`ggZ`fY`gY`U`fW`X`Z`d`fY`gY`bhZ`d`U`f`h]W]d`U`h`Y`UbX`"gh`h`b`"H`Y`c`j`Y`fU`"U]a`c`Z`h`Y`W`ci`fgY`]g`hc`Yb`U`V`Y`gh`XYbhtg`hc`a`U]b]h]b`U`X`Y`Y`d`Y`f`i`b`X`Y`fg`h`b`X]b[`c`Za`YX]U]h]gYX`dYfZcfa`UbW`h`f`ci`[`_ZUW]h]U]h]b[`W`cb`b`Y`W]h]cbg`h`Y`ma`U`_`Y`VYrk`YYb`fY`U`X]b[`gZ`W]gY`gh`X]Y`gZ`d`fY`gY`bh]h]cbg`UbX`g`W`Y`Y`b]b[`g`"5ggYgga`Ybhtg`fY`ZY`W`h`h`Y`YI`dY`W`U]h]cbg`Zc`f`YI`W`"Y`b`W`]b`fY`gY`U`fW`X`UbX`]b]j`Yb`h]j`Yb`Y`gg`h`U`h`h`]g`W`ci`fgY`g`Y`Y`_`g`hc`Y`g`h`U`V`]g`\`"H`Y`h`c`d]W`g`h`Y`W`ci`fgY`W`c`j`Y`fg`fY`ZY`W`h`Ub`cb[`c]b[`W`ca`a`]h`a`Y`bh`hc`h`Y`U`W]b[`]b`bc`j`U`h]j`Y`Z`fY`Y`j`Ub`h`Ub`X`g][`b]Z]W`b`h`a`U`h`f]U`g`Zc`f`h`Y`X]g`W]d`]b`Y`c`Z`h`Y`U`h`f`Y`#`dY`fZcfa`UbW`gh`X]Yg`

HYUW]b[`g`h`fU`h`[]Yg`

H\]g`Wci fgY`]g`ghfi`W`h`fYX`Ug`U`W`ca`V]b]U]h]cb`cZ`Y`W`h`fY`Z`k`cf`_`g`l`cd`UbX`gh`XYbh`YX`"YUfb]b[`dfcW`ggYg`"H`Y`W`ci`fgY`]b`W`h`XYg`U`g`Y`f]Y`g`cZ`W`U`gg`Y`g`]b`"Y`W`h`fY`#`k`cf`_`g`l`cd`#`X]g`W`gg]cb`Zcfa`U`h`Z`c`ck`YX`Vm`U`fY`gY`U`fW`X`UbX`dY`gY`bh]h]cb`Udd`f`c`U`W`X`Z`h`f`ci`[`_k`\]W`gh`XYbhtg`U`fY`YI`dY`W`Y`X`hc`]b`h`Y`[`fU`h`Z`Udd`m]UbX`YI`hY`b`X`W`ci`fgY`a`U`h`f]U`g`k`]h`UbX`Zc`f`h`Y`f`dY`Y`fg`"G`h`XYbhtg`U`fY`Yb`W`ci`fU[`YX`hc`U`W]j`Y`md`U`f`h]W]d`U`h`Y`]b`h`Y`h`]b`_]b[`!`h`f`ci`[`_c`Z`_Y`mi`h`Y`c`fY`h]W`"UbX`dY`X`U[`c[]W`"ei`Y`g`h]cbg`gdY`W]Z]W`hc`h`]g`W`ci`fgY`Z`UbX`hc`dfcU`W]j`Y`m`X`Y`d`Y`b`h`Y`h`f`a`g`c`Z`h`Y`W`ci`fgY`h`f`ci`[`_g`Y`Z`Y`X`fY`gY`U`fW`X`"

G9A B5F : CFA 5H. H\Y'gYa]bUf'k]"VY"ccgY'mghfi Vh fYX'Ug. "YVh fY'Z'j]gi U'gWfYYb]b[gZ'Z"ck YX'Vm
gh XYbhX]gW gg]cb'UbX'fYUX]b[g'fU'h'ci [\ 'h]g'a UmVXUb[Y'Z'ca 'k YY_'hc'k YY_# "H\Y'U]a 'cZ'h]g'WUgg
Z'fa Uh]g'hc]bhY [fUH'U'bi a VYf'cZgh XYbh'YUfb]b['a cXU'h]Yg" H\Y'YVh fY']bZ'fa Uh]cb'dfcj]XYg'U
d'UhZ'fa 'Z'f'gh XYbhg'hc'h\Yb'Yb[U[Y']b'gh XYbh'YX'YUfb]b['dfcW'ggYg'h'fci [\ 'h\Y'U'cW]h]cb'cZ'Z'W'g
ei Ygh]cbg'UbX'#cf'gYhX]gW gg]cb'hUg_g" Gh XYbhg'UfY'UV'Y'hc'fYZYW]j Y'mdfcW'gg'ch'Yf'gh XYbhg'
W'cbf]Vi h]cbg']b'fY'Uh]cb'hc'h\Y]f'ck bZ'UbX'hc'gY'Z'XYh'fa]bY'U'W]h]WU'UbX'UbU'nt]WfYgYUfW' 'dfUW]W"

5ggYgga Ybh

5ggYgga YbhHUg_g

| | | | |
|-----------------|----------|-----------|--|
| 5ggYgga YbhHUg_ | K Y][\h | 8i Y'8UHr | Gh XYbh@YUfb]b[Ci hWta Yg'5ggYggYX |
| 9ggUmi | | | |
| | | | |
| | | | |

5ggYgga YbhHUg_

9ggUmi

\$\$\$\$!%&) \$'k cfXg

: YYXVUW_j]U'@A G

H\]g']g'hY'Z]bU`UggYgga Ybh

Hi fb]h]b'gYh]b[. 'H\]g'Ugg][ba Ybh]g'gi Va]hYX'h'fci [\ 'Hi fb]h]b'UbX'ghi XYb]g'Xc'bc]gYY'Hi fb]h]b'g]a]Uf]mifYdcf]g"

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

F Yei]fYX`UbX`Gi [[YghX`F YUX]b[g`UfY`YghX`S&`A ccX`Y" F YUX]b[g`a UmWg`b]b`c`f`bYk`gi [[YghX`F YUX]b[g`UXXYX`žgc`a U`_Y`gi fY`hc`fY[i`Uf`mW`Y`W`_A ccX`Y`Zc`f`h`Y`a`cghi`d!`h`!XUH`Y`]b`Zc`fa`Uh]cb"

F YWca a YbXYX`F Ygci fWg

: i fhYf`fYgci fWg`Wb`VY`Zci bX`cb`A ccX`Y"

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

K Y`k`Y`Wca`Y`Wcbg`fi`Wj`Y`ZYXVUW`_`YgdYWU`mik`f]hYb`ZYXVUW`fYa`U]g`ž`b`ch`g`Y`W`E`cb`h`Y`Wci`fgY`Wcb`h`b`ž`g`fi`W`i`fY`UbX`UggYgga`Ybha`Y`h`c`Xg`_`b`c`h`c`b`m`U`h`h`Y`W`c`b`W`i`g]cb`c`Z`h`Y`Wci`fgY`ž`Vi`h`U`gc`Ug`k`Y`[`c`U`cb[`"5`h`h`Y`Y`b`X`c`Z`h`Y`Wci`fgY`k`Y`k`j`"bj`]h`m`ci`h`c`d`f`c`j`j`X`Y`ZYXVUW`_`i`g]b[`!`B`G`K`fj`Wci`fgY`Yi`dYf]YbW`gi`fj`Ym`f`

A`U`b`m`U`g`d`Y`W`g`c`Z`h`j`g`Wci`fgY`U`f`Y`h`Y`f`Y`gi`h`c`Z]b`b`c`j`U`h]j`Y`g`h`X`Y`b`h`ZYXVUW`_`Zc`a`d`f`Y`j`]c`i`g`m`Y`U`f`g":`c`f`Yi`Ua`d`Y`ž`h`Y`bi`a`V`Y`f`U`b`X`[`Y`b`f`Y`c`Z`W`U`g`Y`g`h`X`]`Y`g`]b`h`j`g`Wci`fgY`U`g`V`Y`Y`b`W`X`U`b`[`Y`X`]b`f`Y`g`d`c`b`g`Y`h`c`g`h`X`Y`b`h`ZYXVUW`_`K`]h`h`Y`a`c`j`Y`h`c`U`%`\$`!`k`Y`Y`_`h`Y`U`V`X`]b[`h`Y`f`a`]b`&`\$`%`ž`k`Y`f`Y`U`f`U`b`[`Y`X`]`g`c`a`Y`W`c`b`h`b`ž`W`X`U`b`[`Y`X`g`c`a`Y`U`g`g`Y`g`g`a`Y`b`h`ž`U`b`X`]b`f`c`X`i`W`X`(!`ci`f`g`Y`a`]b`U`f`g"@`U`g`h`m`Y`U`f`ž`k`Y`f`Y`X`i`W`X`h`Y`bi`a`V`Y`f`c`Z`U`g`g`Y`g`g`a`Y`b`h`h`U`g`_`g`Zc`a`Zci`f`h`h`f`Y`Y"

Gi Va]gg]cb`cZ5ggYgga YbhiHUg_g

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

Ʒmci`YbWci bHYf`U`dfcV`Ya`k` \Yb`UH`Ya` dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`h`fci`[`\`Hi`fb]h]b`z`d`Y`UgY`
HY`Yd`l`cb`Y`9I`HY`fb`U`Gi`ddc`fh`cb`-`,`)`"``"``%`cf`Ya`U]`h`Ya`i`cb`YI`HY`fb`U`HY`hgi`ddc`fh`4`i`bgk`"YXi`"Ui`"Gi`ddc`fh`
l`ci`fg`UfY`,`.\$\$Ua`-`-%\$.\$\$da`i`cb`k`YY`XUmg`UbX`-`.\$\$Ua`-`).\$\$da`i`cb`k`YY`YbXg`fI`*)`XUmg`U`mY`UfI`"Ʒmci`
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`Xi`Y`hc`U`Zi`h`k`]h`Hi`fb]h]b`mci`a`Um`Udd`m`Zc`f`Ub`YI`HY`bg]cb`z`Vi`hmc`i`
a`i`gh`fY`h]b]mci`f`h]W`Y`hbi`a`VY`f`Z`ca`9I`HY`fb`U`Gi`ddc`fh`f`U`cb[`k`]h`Ub`mci`h`Y`f`fY`Yj`Ub`h`Xc`W`a`Y`b`hg`L`hc`
]b`Wi`XY`Ug`Yj`]X`Y`b`V`W`hc`gi`ddc`fh`mci`f`YI`HY`bg]cb`Udd`]W`h]cb`"Ʒmci`Ya`U]`9I`HY`fb`U`Gi`ddc`fh`mci`k`]`
Ui`hc`a`U`h]W`U`m`f`Y`W`]j`Y`U`h]W`Y`hbi`a`VY`f`z`Vi`h]Z`mci`HY`Yd`l`cb`Y`mci`k`]`b`Y`Y`X`hc`gd`Y`W`Z]W`U`m`Ug`_`Zc`f`cb`Y`"
Hi`fb]h]b`U`gc`d`fcj`]X`Y`gi`d`X`U`h`g`i`cb`h`Y]f`g`m`g`h`Ya`i`g`h`U`h`g`i`cb`Hk`]h`Y`f`"

;`Yb`Y`f`U`m`z`Ugg`Y`gga`Yb`hi`U`g`_`g`a`i`gh`V`Y`gi`Va`]h`Y`X`Y`Y`W`f`cb]W`U`m`j`]U`Y`]h`Y`f`Hi`fb]h]b`cf`U`A`cc`X`Y`
Ugg][`ba`Yb`h`i`h`]b`g`h`U`b`V`W`g`k` \Y`f`Y`h`l`g`]g`b`ch`d`c`g`g]V`Y`z`]h`k`]`V`Y`g`h`U`h`X`i`cb`mci`f`W`ci`fg`Y`g`A`cc`X`Y`g`]h`k`]h`
U`h`Y`fb`U`h]`Y`gi`Va`]gg]cb`X`Y`h]g`"

:`cf`]b`Z`c`fa`U`h]cb`cb`l`ck`hc`gi`Va`]h`Ugg][`ba`Yb`hg`i`cb`]b`Y`j`]U`A`cc`X`Y`.\`h`d`g`#`gh`XY`b`h`i`bgk`"YXi`"Ui`#`ck`!
gi`Va`]h`Ugg][`ba`Yb`h`a`cc`X`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