



ARTS1010

H\Y`@]Z`cZK cfXg

HYfa `C.bY`#`&\$%-

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



7ci fgY`Cj Yfj JYk

7 ci fgY'8YHJ]`g

7 fYX]hDc]bHg`*`

Gi a a UfmicZħY'7 ci fgY

Gi VYWh5fYU. 5 dMSf[hWI dff` Y

H\]g`Wci fgY`k]`YI Ua]bY`ħY`Zcfa`cZħY`g\cfhgfcfm` : cW`g]b[`cb`a`cXYfb]ghUbX`WcbħYa`dcfUfm`
YI Ua`d`Ygž`ħY`Wci fgY`k]`YI`d`cfY`ħY`df]bW]d`Yg`ħUħ\Uj`Y`g\UdYX`ħY`XYj`Y`cda`YbhcZħ]g`Zcfa`"K`Y`a`Um`
Wcbg]XYfz`Zc`f]bghUbW`ž`ħY`]bZi`YbW`cZ7`Y`_\cj`UbX`\]g`UXj`cWUWmicZħY`ghcfmUg`U`"g]W`cZ`]ZY`"ž`9X[`Uf`
5`"Yb`DcY`ř`UYgh`Y`h`Wħ`Y`cf]Ygž`ħY`XYj`Y`cda`YbhcZ`ghfYUa`cZ`WcbgW]ci`gbYgg]b`fY`U`h`cb`ħc`ħY`g\cfhgfcfmž`
ħY`i`gY`cZ`Y`d]d\Ubm`UbX`Ubh]Y`d]d\Ubm`UbX`ħY`Z`bW]cb`cZ`W`a`dfYgg]cb`"ħ`UXX]h]cb`k`Y`k`]`YI`Ua`]bY`
ħY`W`b]ei`Yg`UbX`ghfUħ[]Yg`Wfi`W]U`ħc`ħY`gi`W`W`gg`cZħY`Zcfa`UbX`i`gY`Z`ħc`mci`f`XYj`Y`cda`Ybhi`Ug`k`f]ħ`fgž`
]bWi`X]b[`dc]bhcZj`]Yk`ž`bUffUħj`Y`XYg][`bž`ħY`XYj`Y`cda`YbhcZj`c]W`UbX`ħY`i`gY`cZ`Y`Wcbca`m`UbX`
gma`Vc`]ga`"ħ`ħY`"UħY`f`dUfhcZħY`Wci fgY`k`Y`k`]`YI`Ua`]bY`ħY`]bZi`YbW`cZ`bYk`ħY`W`bc`c[`mcb`ħY`g\cfh`
għcfmž]bWi`X]b[`ħY`fY`U`h`cbg\]d`VYħ`YYb`ħY`g\cfhgfcfm`UbX`ħY`V`c[`UbX`ħY`f`U`bga`]gg]cb`cZħY`g\cfh`
għcfmħfci`[`ħ`k`]ħY`f`K`f]h]b[`YI`Y`f`W]gY`k`]`VY`dfcj`]YX`UbX`Yj`Y`f`mcbY`k`]`"Uj`Y`ħY`W`UbW`ħc`k`cf_g\cd`
ħY`]f`k`f]h]b[`UbX`d`U`f`h]d`U`ħ`]b`cb`]bY`X]gW`gg]cb`"

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

%`I`bXYfghUbX`ħY`df]a`UfmY`Ya`YbHg`cZg\cfhZ]W]cb`
&`I`bXYfghUbX`U`j`Uf]YmicZ[`YbYg`UbX`Zcfa`g]b`WcbħYa`dcfUfm`]ħY`fUħi`fY`
'`" `8`Ya`cbghfUħ`Z]a`]Uf]m]k`]ħ`j`Uf]U`h]cbg`UbX`YI`dYf]a`YbHg`k`]ħ`]b`ħY`g\cfhgfcfmZcfa`
(`" `7`YUfmWca`dcgY`k`f]ħY`b`ħY`h]g]b`9b[`]g\`
)`" `7`f]h]W`"m`UddfU]gY`ħY`f`ck`b`k`cf`_`UbX`ħY`k`cf`_`cZcħYfg`

HYUW]b[`GhfUħ[]Yg`

@YWh`fYg`k`]`]bfcXi`W`gh`XYbhg`ħc`U`fU`b[`Y`cZk`f]h]b[`dfUW]W`gž`a`YħcXg`UbX`gmiYg`"5`df]a`UfmUa`cZħY`
`YWh`fYg`]g`ħc`]a`dUfhiU`_`bck`YX[`Y`cZ`W`U`Zi`k`Uħh`W`b]ei`Yg`UfY`]b]YbħX`cf`Ya`d`cmYX`]b`Ubm[]j`Yb`d]YW`
cZ]ħY`fUħi`fY`ž`k`Uħa`U`_`Yg`ħY`gY`ħY`W`b]ei`Yg`Y`Z`Y`W]j`Y`UbX`k`mXc`k`f]ħY`fg`gY`ħY`cb`ħY`ħY`W`b]W]`XY`W]g]cbg`
ħUħh`Y`mXc3`K`Uħ]g]b]j`c]YX`]b`ħY`W`Y`U`h]j`Y`dfcW`gg`UbX`\`ck`Xc`mci`Uff]j`Y`Uħh`Y`d`UW`k`Y`fY`mci`W`Ub`
g\UdY`mci`f`ck`b`W`Y`U`h]j`Y`bUffUħj`Y3`

H\Y`gYa`]bUfg`k`]`dfcj`]XY`ħY`cddcfh`b]m]Zc`f]W]W]h]W]X]gW`gg]cb`cZgYhħY`h]g`UbX`f]E`dYfY`[`fci`d`
ZYXVUW`_`cb`gh`XYbhg]ck`b`W`Y`U`h]j`Y`k`cf`_"`H\Y`gYa`]bUf`k`]`"Uf[`Y`mZ`bW]cb`Ug`U`W`Y`U`h]j`Y`k`f]h]b[`
k`cf_g\cd`UbX`k`]`YbWci`fU[`Y`]bXYdYbXYbh`YUfb]b[`UbX`W]h]W]`fYZYW]cb`cb`cbYř]ck`b`k`f]h]b[`"ħ`k`]`"U`gc`
XYj`Y`cd`gh`XYbhg]i`bXYfghUbX]b[`cZħY`dfcW`gg`cZfYj`]g]b[`ž`YX]h]b[`UbX`dc`]g\]b[`U`d]YW`cZk`cf`_"`H\Y`
gi`W`W`gg`cZħY`k`cf_g\cd`XYdYbXg`i`dcb`]bX]j`]Xi`U`Yb[`U[`Ya`Ybhk`]ħ`ħY`k`YY`_`ma`UħY`fU`/`]hY`Y]Yg`cb`
[`fci`d`"YUfb]b[`UbX`h]g`YggYbh]U`ħUħYj`Y`f`mcbY`UW]j`Y`m]dUf]h]dUħ`]b`YUW`k`cf_g\cd`"

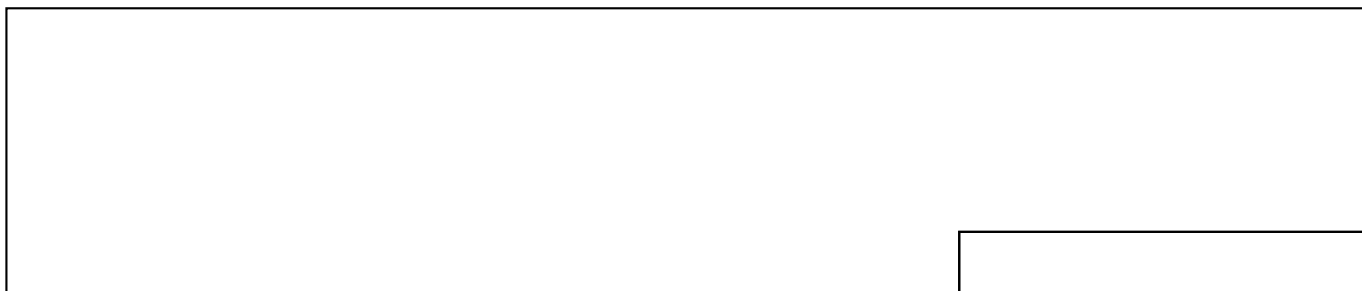
ħ`UXX]h]cb`ħc`ħY`Z]W]!ħc!Z]W`W`UggYgž`ħY`fY`k`]`VY`g`f`i`Wh`fYX`cb`]bY`W`Y`U`h]j`Y`k`f]h]b[`UW]j`]h]Yg`YUW`
k`YY`_"`H\Y`gY`k`]`VY`XYg][`bYX`]b`cfXYf`ħc`Z`fħY`f`XYj`Y`cd`ħY`gh`XYbhg]W`Y`U`h]j`Y`dfc`Y`W`g`"

H\Y`UddfcUW`cZ`Y`Wh`fYfg`UbX`h`ħc`fg]b`ħY`Wci`fgY`]g[`cj`YfbYX`]b[`YbYfU`Vm`
•`"ħY`f`ck`b`]bħ`Y`Wh`U`UbX`dUgg]cbUħY`Yb[`U[`Ya`Ybhk`]ħ`k`f]h]b[`

-'hly]f'wYUhj Y'UbX'W]hW'Yi dYf]YbW']b'hly'Z]Y'X
-'hly]f'i bXYfgHUbX]b['cZWYUhj Y'k f]h]b['Ug'U'X]gW]d']bY'k]h.]b'hly'<i a Ub]h]Yg

@YWh fYfg'UbX'h hcfg']b'hly'Wci fgY'k]''di fgi Y'hly'Wci fgY'U]a g'VmXc]b['gYj YfU'h.]b[g'Ua cb['k \]Wk 'UfY.

-dUfh]W]dU]h]b[']b'UbX'[i]X]b['X]gW'gg]cb']b'hly'h hc]U'UbX'k cf_g\cdg
-dfcj]X]b['k f]h]Yb'Wca a Yb]g'cb'hly'k f]h]Yb'k cf_'mci 'gi Va]h
-VY]b['Uj U]UV'Y'hc'X]gW'gg'k]h'mci 'hly'Wci fgY'UbX'mci f'gh X]Yg
-'i_g]b['h'VXb]W]j cW]Vi 'Ufm]hc'X]gW'gg'hly'Ugg][bYX'h]i hg
-'hf]b['hc'fYgdc]b']b'U'\Y'dZ 'k Um]hc'mci f'ei Yg]h]cbg'UVci h'hly'a U'h]f]U'UbX'hly'Wci fgY
-'Ug_]b['mci 'hc'k cf_]b'ga U'''[fci dg']b'hly''YWh fY!h hc]U'



GhUfhXUHY.

@Yb[h. " \$\$\$

8YHU]g. " \$\$\$k cfX'g\cfhgfcfmž:]bU`5ggYgga Ybh'Hi fb]hb'gi Va]gg]cbžgi a a Uhj Y`ZYXVUW_j]U'hi fb]hb

5XX]h]cbU`XYHU]g.

5ggYgga Ybh7f]hYf]U

5 hYbXUbW'F Yei]fYa Ybhg

5 hYbXUbW'cZ@YWhi fYg'UbX'Hi hcf]U'g'jg'a UbXUhcfm]b'h]g'Wci fgY"i bYI W gYX'UVgYbW'Zca 'a cfY'hUb
, \$i 'k]'fYgi 'h]b'hY'Uk UfX'U'Zj]'[fUXY"

h'YWhi fYg'mci 'k]'UWhj Y'mYb[U[Y'k]h'WcfY'Wci fgY'WcbhYbh'hUhk]'\Y'd'mci 'hc'UhhU]b'7 @C f'g
%&.

I bXYfghUbX'hY'df]a UfmY'Ya Ybhg'cZg\cfhZ]W]cb

I bXYfghUbX'Uj Uf]YmicZ[YbfYg'UbX'Zcfa g']b'WcbhYa dcfUfm']hYfUhi fY

h'hi hcf]U'g'mci 'k]'UWhj Y'mYb[U[Y'k]h'WcfY'Wci fgY'WcbhYbh'hUhk]'\Y'd'mci 'hc'UhhU]b'7 @C f'g
'!).

8Ya cbghfUHy'ZJa]]Uf]mk]h'j Uf]Uhc]cbg'UbX'Yi dYf]a Ybhg'k]h]b'hY'g\cfhghcfmZcfa

7'YUfmWca dcgY'k f]hYb'hYi hg']b'9b['g\

7 f]h]W'`miUddfU]gY'mci f'ck b'k cf_'UbX'hY'k cf_'cZchYfg

7 ci fgY'GWXYXi `Y

[J \]Yk'WUgg'h\]a YhUV'Y](#)

H]a YhUV'Y'

8UHy	HmdY	7cbhYbh
K YY_ '% % : YVfi Ufm! '&(: YVfi Ufm		D'YUgY'gYY'A ccX'Y'Zcf'U'Z ''Wci fgY'gVXYXi `Y'UbX fYUX]b['g"

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

H\]g`]g`U`K`YV`Gi`dd`Ya`Yb`h`X`W`ci`fgY`"7`ci`fgY`fYUX]b[`g`g`l`ci`X`VY`X`ck`b`c`UXYX`Z`ca`A`ccX`Y`S`V`d`SV`USd`Wg`k`z`C`h`Y`f`fYUX]b[`g`a`Um`VY`U`XXYX`Ug`U`gi`dd`Ya`Yb`h`c`h`Y`W`ci`fgY`k` \]W`g`h`XY`b`g`a`Um`Z`b`X`Y`d`Z`" H\Y`cb!`]b`Y`a`UH`f]U`k`]"`]b`Wi`XY.

- W`ci`fgY`ci`h`]b`Y`
- k`YY`_`m`fYUX]b[`g`
-]b`h`f`b`Y`h`g`]h`g`f`Y`Y`j`Ub`h`c`h`Y`W`ci`fgY`
- Ui`X`]c`Ub`X`j`]X`Y`c`a`UH`f]U`

F YW`ca`a`Yb`X`Y`X`F Ygci fWg

5`"k`YY`_`m`g`Y`h`fYUX]b[`g`Ub`X`fY`UH`X`a`UH`f]U`U`fY`U`j`U`]UV`Y`cb`A`ccX`Y`

7`ci`fgY`9`j`U`i`Uh`]cb`Ub`X`8`Y`j`Y`c`da`Y`bh`

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

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

Ẓmci `YbWci bhYf`U`dfcV`Ya `k \Yb`U`H`Ya dh]b[`hc`gi Va]hmc i f`Ugg][ba YbhHfci [\`Hi fb]h]bžd`YUgY
H`Yd\cbY`9I H`fbU`Gi ddcfhcb`-` ,) `` `` ` %cf`Ya U]`H`Ya `cb`YI H`fbU`H`hgi ddcfh4 i bgk "YXi "Ui ``Gi ddcfh
\ci fg`UfY` , .\$\$Ua `--`%\$. \$\$da `cb`k YY_XUmg`UbX`- . \$\$Ua `--`) . \$\$da `cb`k YY_YbXg`fI *) `XUmg`U`m`YUfL` Ẓmci
UfY`i bUV`Y`hc`gi Va]hmc i f`Ugg][ba YbhXi Y`hc`U`ZU`i`hik]H`Hi fb]h]b`mci `a UmiUdd`miZc`f`Ub`YI H`bg]cbžVi hmc i
a i ghfYH]b`mci f`h]W`Yhbi a VYf`Zca `9I H`fbU`Gi ddcfhfU`cb[`k]H`Ubmch`Yf`fY`Yj UbhXcW a YbHgE`hc
]bWi XY`Ug`Yj]XYbW`hc`gi ddcfhmci f`YI H`bg]cb`Udd`]W]h]cb" Ẓmci `Ya U]`9I H`fbU`Gi ddcfhmci `k]`

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" `hWUb`hU`Y`a Ubm
Zcfa gZ`Zca `XY`]VYfUHY`WXYU]b[`hc`UWV]XYbhU`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.

7 cdm]b[.`i g]b[`hY`gUa Y`cf`j Yfmg]a]Uf`k cfXg`hc`hY`cf][]bU`hYI 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`UfhUbX`XYg][b`dfc`YWgZ`Ug`k Y`Ug
dfYgYbhU]cbg`k \YfY`gca YcbY`dfYgYbh]g`UbchYf`g]XYUg`cf`k cfXg`k]h`ci hWYX]h`

hUddfcdf]UHY`dUfUd`fUg]b[.`7`Ub[]b[`U`ZYk `k cfXg`UbX`d`fUgYg`k \]Y`a cghmifYU]b]b[`hY`cf][]bU`
ghfi W`i fY`UbX`#`f`dfc[fYgg]cb`cZ]XYUg`cZ`hY`cf][]bU`Z`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`UbchYf`g]XYUg`cf`k cfXg`k]h`ci hWYX]hU`bX`hc
d]YW]b[`hc[YhYf`ei chYg`UbX`dUfUd`fUgYg`]bhc`U`bYk `k \c`Yz`k]h`ci hUddfcdf]UHY`fYZYfYbW]b["

7 c`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_"`7 c`i g]cb`U`gc
]bWi XYg`dfcj]X]b[`mci f`k cf_]hc`UbchYf`gh`XYbhVYZc`fY`hY`Xi Y`XUHY`Zc`f`Zc`hY`di fdcgY`cZ`hY`a

- i bXYfghUbx'mci f'f][\hg'UbX'fYgdcbg]V]h]Yg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[]Uf]ga ž'Wc'dmf][\hž' BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5W'W'dhUV'Y'I gY'cZ I BGK '⇒H'F'Ygci f'W'g'Dc`]W'h
- VY'Uk UfY'cZ'Y'ghUbxUfXg'cZVY\Uj]ci f'YI dY'W'X'cZYj Yfmcby']b'h'Y'I BGK 'W'a a i b]m
- 'cW'W'h'gYfj]W'g'UbX']bZ'fa U'h'cb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZ'Y'gY'UfY'Ug'k]''VY'ZJa]]Uf'hc'mci ž'c'h'Y'fg'k]''VY'bYk "'; U]b]b['U'gc`]X'i bXYfghUbx]b['cZU''h'Y fY'U'h'X'UgdY'W'g'cZ9@-G9'k]''\Y'd'mci 'a U_Y'h'Y'a cgh'cZ'mci f'gh X]Yg'Uhl BGK ""

[\h'hd.##gi V'Y'W'i \]X'Y'g" \]V'f'U'f'm'i b'gk "Y'X'i "U'i #' \]g'Y'#J'V'ci h' \]g'Y](#)

