



ARTS2034

G\U_YgdYUfYUb`8fUa U

GYa YghYf`Hk c`#`&\$%

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

7 ci fgY`Cj Yfj JYk

GWYbWg: \hdg.## k k "Ufng"i bkg "YXi "Ui #W ffYbhghi XYbhg#UWUXYa JW]bZcfa Uhcb#dfcfcWc`gl[i]XY]bYg#

5 UWUXYa JW]bZcfa Uhcb`

: cfYggYbhU`ghi XYbh]bZcfa Uhcb`fY`Uh]b[`hc. fYei Yghg`Zcf`YI hYbg]cb/fYj]Yk `cZa Uf_g/cVW dUh]cbU` \YU`h
UbX`gUZYhm/YI Ua]bUh]cb`dfcW`Xi fYg/gdYW]U`Wc]bg]XYfUh]cb`]b`hY`Yj YbhicZ]`bYgg`cf`a]gUXj Ybhi fY/
ghi XYbhYei]hmUbX`X]gUV]`]hm`UbX`ch`Yf`YggYbh]U`UWUXYa JW]bZcfa Uhcbz
gYY: \hdg.## k k "Ufng"i bkg "YXi "Ui #W ffYbhghi XYbhg#UWUXYa JW]bZcfa Uhcb#dfcfcWc`gl[i]XY]bYg#

7ci fgY'8YHJ]`g

7fYX]hDc]bHg`*`

Gi a a UfmcZh\Y'7ci fgY

Gi VYWh5fYU.'7`Y[eZ

H\Y`Wti fgY`]g`Ub`cddcfh b]hmZcf`mci `hc`Yb`emUbX`i bXYfghUbX`G\U_YgdYUfY`g`hfYa YbXci g`UW\]Yj Ya Ybh

5ggYgga Ybh

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8YHU]`g. %<ci f`hYgh\Y`X`Xi f]b[`cbY`fY[i `Uf`YWfi fY`hja Y""`Gh XYbhg`UfY`Ug_YX`fc`]XYbh]Zmi`hY`a Yf]hg`cZ
fk`c`dUggU[Yg`Zca` `cbY`cZ`hY`\]g]hcfmid`Um]g`UbX`fc`UW`Wci bhZcf`hcgY`a Yf]hg`Vmi`g]b[`U`hY`W`b]WU`
j`cWUVi `Ufm`!b]gf] Wcf`dfcj]XYg`k`f]hYb`ZYXVUW` `cb`UggYgga Ybhg\YYhk \]W`k`j`]bW`XY`fUb_]b[g`]b
fY`U]cb`fc`UggYgga YbhW]hYf]Už [fUXY`Ug`U`dYfW`b]U[Yž`UbX`gca Y`Vf]YZW`a`a Ybhg`cb`hY`gh XYbhg
dYfZ`fa`UbW`

5ggYgga Ybh&.`9ggUm

GhUfhXUH. `

8YHU]`g. %) \$\$!k cfX`YggUmcb`cbY`cZgYj YfU`hcd]Wg`dfcj]XYX`fc`hY`gh XYbhg`!b]gf] Wcf`dfcj]XYg`ZYXVUW`
j]U`UggYgga Ybhg\YYhk \]W`k`j`]bW`XY`fUb_]b[g`]b`fY`U]cb`fc`UggYgga YbhW]hYf]U`UbX`W`a`a Ybhg`cb`hY`
gfYb[`h`g`UbX`k`YU`bYggYg`cZ`hY`YggUm

Hi fb]h]b`gYh]b[. `H\]g`Ugg][ba Ybh]g`gi Va]hYX`h`fci [\`Hi fb]h]b`UbX`gh XYbhg`Xc`bchgY`Y`Hi fb]h]b
g]a]Uf]mfYdcf]g"

5ggYgga Ybh' . :]bU`9I Ua`

GhUfhXUH. `Bch5dd`]WV`Y

8YHU]`g. `&!<ci f`YI Ua]bU]cb`Xi f]b[`hY`i`b] Yfg]mYI Ua]bU]cb`dYf]cX""`H\]g`]g`hY`Z]bU`UggYgga YbhZcf
hY`Wci fgY`!b]gf] Wcf`dfcj]XYg`a`Uf` `cb`hY`YI Ua]b`fYgdcbgY`fc`Z`fa`U`fYei YghZca`gh XYbhgžk`lc`a`Um
U`gc`WU`W`UH`hY]f` [fUXY`cb`hY`VUg]g`cZ`hY]f`Z]bU` [fUXY`Zcf`hY`Wci fgY`UbX`hY` [fUXYg`hY`mfYW]j`YX`cb
hY`c`hY`f`fk`c`d]YW`g`cZ`UggYggYX`k`cf`"

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

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]h]b'Gi Va]gg]cb

zmc i 'YbWci bHYf'U'dfcV'Ya 'k \Yb'UHYa dh]b['hc'gi Va]hmc i f'Ugg][ba Ybh'fci [\ 'Hi fb]h]bzd'YUgY
HY'Yd\cbY'9I HYfbU'Gi ddcfhcb'-' ,) ' ' ' %cf'Ya U] 'h'Ya 'cb'[YI HYfbU'HY'fgi ddcfh 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'mYUfL' zmc i
UFY'i bUV'Y'hc'gi Va]hmc i f'Ugg][ba YbhXi Y'hc'U'ZU' 'hk]h'Hi fb]h]b' mci 'a UmiUdd'm'Zcf'Ub'YI HYbg]cbz'Vi hmc i
a i ghfYh]b' mci f'h]W_Yhbi a VYf'Z'ca '9I HYfbU'Gi ddcfhfU'cb['k]h'Ubmc'h'Yf'f'Yj UbhXcW a Ybng'hc
]bWi XY'Ug'Yj]XYbW'hc'gi ddcfhmci f'YI HYbg]cb'Udd']W]h]cb" zmc i 'Ya U] '9I HYfbU'Gi ddcfhmci 'k]
Ui 'ca U]W' m'f'Y'W'j Y'U'h]W_Yhbi a VYfz'Vi h]Zmci 'HY'Yd\cbY' mci 'k]' b'Y'X'hc'gdY'W]W' m'Ug_'Zcf'cbY"
Hi fb]h]b'U'gc'dfcj]XYg'i dXUHYg'cb'h'AY]f'gmghYa 'ghU'g'cb'Hk]HYf"

; YbYfU'mz'UggYgga YbhHUg_g'a i ghVY'gi Va]HYX'Y'Y'W'fcb]W'mj]U'Y]h'Yf'Hi fb]h]b'cf'U'A ccX'Y
Ugg][ba Ybh' b]bg'U'bv'W'g'k \YfY'h']g']g' bchidcgg]V'YZ']hk]' VY'g'U'HYX'cb' mci f'Wci fgY'g'A ccX'Y'g]HY'k]h
U'HYfbU]h] Y'gi Va]gg]cb'XYh]g"

@UH'5ggYgga YbhDYbU'h]Yg

- K cf_gi Va]hYX`%\$`hc`%-`XUmg`UZhYf`h`Y`gh]di`UH`X`XYUX`]bY`k`j`VY`UggYggYX`UbX`ZYXVUW`dfcj`]XYX`Vi`hU`a`Uf`_`cZnYfc`k`j`VY`fYW`fYX`" `Z`h`Y`k`cf`_`k`ci`X`\\Uj`Y`fYW`]j`YX`U`dUgg`a`Uf`_`Vi`hZcf`h`Y`UH`bYgg`UbX`h`Y`k`cf`_`]g`U`W`a`di`gcfm`W`i`fgY`W`a`dcbYbhf`i`fX`Y`fYei`]fYa`YbH`Z`U`gh`XYbhk`]`VY`XYYa`YX`h`c`\\Uj`Y`a`Yh`h`UhfYei`]fYa`Ybh`
- K cf_gi Va]hYX`&\$`cf`a`cfY`XUmg`UZhYf`h`Y`gh]di`UH`X`XYUX`]bY`k`j`bchVY`UWW`dH`X`Zcf`UggYgga`YbhUbX`k`j`fYW`]j`Y`bc`ZYXVUW`z`a`Uf`_`cf`[`fUXY`" `Z`h`Y`UggYgga`YbhUg`_`]g`U`W`a`di`gcfm`W`a`dcbYbhcZ`h`Y`W`i`fgY`U`gh`XYbhk`]`fYW`]j`Y`Ub`l`bgUhgZUW`c`fm`:`U`]`fl`:`k`[`fUXY`Ug`U`fYgi`h`c`Z`i`bgUhgZUW`c`fmdYfZ`fa`UbVW`]b`Ub`YggYbh]U`W`a`dcbYbhcZ`h`Y`W`i`fgY`"

H\]g`]bZ`fa`U`h`cb`]g`U`gc`Uj`U`]\$ %ofm %o %o %o

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]hCi 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]hCi 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]hCi 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]hCi 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]hCi hWYX]hUbX`hc
d]YW]b[`hc[YhYf`ei chYg`UbX`dUfUd`fUgYg`]bhc`U`bYk `k \c`Yz`k]hCi 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

- 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'Wd'U'V'Y'I gY'cZ
I BGK '⇒H'F'Ygci f'W'g'Dc`]W'h
- VY'Uk UfY'cZ'Ĥ'Y'ghUbxUfXg'cZVY\Uj]ci f'YI dY'W'X'cZYj Yfmc'by'j]b'Ĥ'Y'I BGK 'W'a a i b]m
- `cW'Ĥ'gYfj]W'g'UbX'j]bZ'fa U]cb'UVci hl BGK 'UbX'I BGK '@]VfUfm

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

fl

<p>K YY_) .&\$ 5i [i gh! '&* 5i [i gh</p>	<p>@YWhi fY</p>	<p>3e Kag >[] W;f f9A Ł</p>
	<p>@YWhi fY</p>	<p>3e Kag >[] W;f f9A Ł</p>
	<p>Hi hc f]U`</p>	<p>? Wae f]gcb[Ł</p> <p>3e Kag >[] W;f</p> <p>"I bXYf'hAY [fYYbk ccX'hfYY "f&") "%d, Ł</p> <p>"6`ck žV`ck ž'hci 'k]bhf'k]bX..." "f&"+ "%+, Ł</p> <p>"K \Uhg\U` \Y \Uj Y'hUh_]`YX'hY`XYf3` f("&"\$!% Ł</p> <p>"k Ug`U`cj Yf`UbX` \]g`Ugg..." "f) "" "%(!' %Ł</p> <p>"K YXX]b[`]g[fYUh>i bc]g`W`ck b`"f) (" % &! ' +Ł</p>
<p>K YY_* .&+'5i [i gh! '& GYdhYa VYf</p>	<p>@YWhi fY</p>	<p>7 ca]W6 [S` a[S`]b`G\U_YgdYUfYUb`8 fUa U`fi W`dk ;Hf bSdf #`UbX`3e Kag >[] W;f f6K Ł</p>
	<p>@YWhi fY</p>	<p>G\U_YgdYUfY]g`HfUX]hcbg`cZHfU[YXmf6K Ł</p>
	<p>Hi hc f]U`</p>	<p>7dYa` `f] bW]cb#di fdcgYŁ</p> <p>3e Kag >[] W;f</p> <p>7 ca YXm]g`gi ddcgYX`hc`a U_Y`i g`Ui [\žVi h G\U_YgdYUfY`k Ubhg` \]g`W`a YXmhc`a U_Y`i g`Xc a cfY`h`Ub`h`Uh`" <ck`XcYg`3g`K]g` @]W`f`ia U_Y`mci ZY`žYgdYW]U`mUh`hY`YbX3`"K \Uh]g`]hUVci h`hY d`c`h`W`UfUW]f`ž`h`ci [\h`X]W]cbž`gcb[ž`UbX gdYW]UWY`h`Uha U_Y`mci`ZY`"h`]g`k`Um3</p>
<p>K YY_+ . " GYdhYa VYf!`- GYdhYa VYf</p>	<p>@YWhi fY</p>	<p>G\U_YgdYUfY`UbX`5bW]YbhF`ca`Y`f6K Ł</p>
	<p>@YWhi fY</p>	<p>5ada`S`ge`f6K Ł</p>
	<p>Hi hc f]U`</p>	<p>9ggUmK`f]h]b[</p> <p>"9ggUmK`f]h]b["Z`XYf`]b`A`cc`X`Y</p>
<p>K YY_ , .%\$`GYdhYa VYf! %*`GYdhYa VYf</p>	<p>@YWhi fY</p>	<p>5ada`S`bge`f6K`Ei</p>

<p>K YY_-.%+ GYdHya VYf! &' GYdHya VYf</p>	<p>@YWi fY</p>	<p><g fge 5 SWeSdf6K Ł</p>
	<p>@YWi fY</p>	<p><g fge 5 SWeSdf6K Ł</p>
	<p>Hi hcfjU'</p>	<p>7 d'a` fWjcb#i fdcgYŁ <ck XcYg'hY XYa jgY'cZ7 cf]c`Ubi g'UbX'6fi h g</p>

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

K]`]Ja`G\U_YgdYUfYž5a_b^WfI` ad]e`fA UWå]`Ubž&\$\$+Ł

F YWca a YbXYX`F Ygci fWg

5f]grchYžBaWf[Le

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

⇒ U[Y`7fYX]h