



ARTS1121

H\Y '@]Z'cZDYfZcfa UbWY

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

7 ci fgY`Cj Yfj JYk

'GHUZZ'7 cbhUWh'8YHU]'g'

'7cbj Ybcfg'

B Ua Y	9a U]'	5j U]'UV]']m	@cWU]cb	D\cbY
>cbUh\Ub`6c`Yb	^Vc`Yb4 i bgk "YXi "Ui	Hi YgXUmg %\$Ua !%&da ž'Ya U]' Zcf'Uddc]bha Ybh	F cVYfh K YVghYfž F cca `&(*8	- ' ,) '\$+%-

'Hi hcfg'

B Ua Y	9a U]'	5j U]'UV]']m	@cWU]cb	D\cbY
A UfU`8Uj]g	a "XUj]g4 i bgk "YXi "Ui	H65 '!`d`YUgY WcbhUWh		
A]hWY`K \]h\YUX	a "k \]h\YUX4 i bgk "YXi "Ui	H65 '!`d`YUgY WcbhUWh		

GWcc`7 cbhUWh`bZcfa Uh]cb

F cca ` ` %&ž`Yj Y` ` F cVYfhK YVghYf`6i]X]b[

D\cbY. f\$&Ł`- ' ,) `(,) *

9a U]': [gUa 4 i bgk "YXi "Ui](#)

K YVg]hY: [\hhdg.#gUa "Ufng"i bgk "YXi "Ui](#)

H\Y`GWcc`cZhY`5fng`UbX`A YX]U`k ci `X`_]Y`hc`F YgdYWZ`m5W`bck`YX[Y`hY`HfUX]h]cbU`7 i g]cX]Ubgž`hY`6YXY[U`fP`Ybg]b[hc b`W]a di gŁž; UX][U`f7]mUbX`5fhr`8Yg][b`7 Ua di gYgŁ`UbX`hY`B [i bbUk U`dYcd`Y`f5i ghfU]Ub`8YzYbW` : cfW`5WUXYa m]b`7 UbVYffUŁcZhY`UbXg`k \YfY`YUW`W]a di g`cZI`BGK`]g`cW]hYX"

5 hYbXUbW`F Yei]fYa Ybhg

5`gh`XYbh]g`YI dYW`X`hc`U`hY`b`X`U`WUgg`WcbhUWh`ci fg`Zcf`U`ZUW`!hc!ZUW`fi &: Łcf`V`YbXYX`Wci fgY`UbX`Wca d`Yh`U`UW]j`]hYg`Zcf`U`V`YbXYX`cf`Z`mcb`]bY`Wci fgY"

5`gh`XYbhk` \c`Uff]j`Yg`a`cfY`h`Ub`%)`a`]bi`hYg`U`h`a`UmVY`d`YbU`]gYX`Zcf`bcb!U`hY`b`X`UbW`"-Zgi`W`U`d`YbU`m`]g`]a`d`cgYXž`hY`gh`XYbhia`i`ghVY`]b`Zcfa`YX`j`YfVU`m`U`h`h`Y`YbX`c`Z`W`U`g`U`b`X`U`X`j`]gYX`]b`k`f]h]b[`k`]h]b`&(`\ci`fg"

zU`gh`XYbhYI`dYf]YbW`g`]`bYggž`a`]gUXj`Ybh`fY`cf`ch`Yf`c`W`ffYbW`h`U`ha`U`_Yg`UVgYbW`Zca`U`WUgg#UW]j`]mi`bUj`c]XUVYž`cf`YI`dYW`g`hc`VY`UVgYbhZca`U`Zcf`h`Wca`]b[`WUgg#UW]j`]mž`h`Y`m`g`l`ci`X`g`Y`_`d`Y`f`a`]g`g`c`b`Zca`h`Y`7`ci`fg`Y`5i`h`cf]mž`UbX`k` \YfY`Udd`]WU`Y`ž`h`Y`]f`f`Yei`Y`gh`g`l`ci`X`VY`UVWca`d`Ub]YX`Vm`Ub`cf][`]bU`cf`W`f]h]YX`W`dmcZU`a`YX]W`W`f]h]W]h`cf`ch`Yf`Zca`c`Z`U`dd`f`c`d`f]U`h`Y`j`]X`Y`b`W"

5`7`ci`fgY`5i`h`cf]ma`UmYI`W`gY`U`gh`XYbhZca`WUggYg`cf`UW]j`]hYg`Zcf`i`d`hc`cbY`a`cbh`"-<ck`Yj`Yfž`h`Y`m`a`UmUgg][`b`U`X`X]h]cbU`UbX`#`f`U`h`f`b`U`h]`Y`h`U`g`_`g`hc`Y`b`gi`f`Y`Wca`d`]UbW`"5`7`ci`fgY`5i`h`cf]m`Wcbg]X`Y`f]b[`h`Y`[`f`U`b]h]b[`c`Z`U`V`g`Y`b`W`a`i`gh`VY`g`U`h]g]YX`U`gh`XYbhk`]`g`h`VY`UV`Y`hc`a`YY`h`h`Y`Wci`fgY`g`Y`U`fb]b[`ci`h`Wca`Yg`

UbX#cf]ci a Y'cZ`YUfb]b["5'ghi XYbhgYY_]b[`Uddfcj U`hc`VY`UVgYbhZcf'a cfY`hUbcY'a cbh`a i ghUdd`m
]b`k f]h]b[`hc`h`Y`8YUb`UbX`dfcj]XY`U``cf][]bU`cf`W`fh]ZYX`gi ddcfh]b[`XcW`a Yb`h]cb"

: cf'a cfY`]bZcfa Uh]cb`UVci h`h`Y`U`h`Y`b`X`U`b`W`d`f`c`h`W`c`g`]b`h`Y`: UW`h`m`c`Z`5`f`h`g`U`b`X`G`c`W`U`
G`W`Y`b`W`g. [\`h`d`g.`#`k`k`"U`f`h`g`"i`b`g`k`"Y`X`i`"U`i`#`W`f`f`Y`b`h`g`h`i`X`Y`b`h`g`#`U`W`U`X`Y`a`_`W`\]`b`Z`c`f`a`U`h`c`b`#`d`f`c`h`W`c`g`!`\[`i`\]`X`Y`\]`b`Y`g`#`](#)

5WUXYa]W]bZcfa Uh]cb`

: cf`Y`g`g`Y`b`h`U``g`h`X`Y`b`h`]b`Z`c`f`a`U`h`]c`b`f`Y`U`h`]b[`hc`f`Y`e`i`Y`g`h`g`Z`c`f`Y`I`h`b`g`]c`b`/`f`Y`j`]`Y`k`c`Z`a`U`f`_`g`/`c`W`W`d`U`h`]c`b`U``\`Y`U`h`
U`b`X`g`U`Z`/`h`m`/`Y`I`U`a`]b`U`h`]c`b`d`f`c`W`X`i`f`Y`g`/`g`d`Y`W`U`W`c`b`g`]X`Y`f`U`h`]c`b`]b`h`Y`Y`j`Y`b`h`c`Z`]`b`Y`g`g`c`f`a`]g`U`X`j`Y`b`h`f`Y`/
g`h`X`Y`b`h`Y`e`i`]h`m`U`b`X`X`]g`U`V`]h`m`U`b`X`c`h`Y`f`Y`g`g`Y`b`h`U`U`W`U`X`Y`a`_`W`]b`Z`c`f`a`U`h`]c`b`z`
g`Y`Y`[\`h`d`g.`#`k`k`"U`f`h`g`"i`b`g`k`"Y`X`i`"U`i`#`W`f`f`Y`b`h`g`h`i`X`Y`b`h`g`#`U`W`U`X`Y`a`_`W`\]`b`Z`c`f`a`U`h`c`b`#`d`f`c`h`W`c`g`!`\[`i`\]`X`Y`\]`b`Y`g`#`](#)

XYg][bYX'hc 'YUX'ghi XYbhg'UW'cgg'X]j Yf[Ybha cXYg'cZWFYUhj Y'UbX'W'h]WU'YI dfYgg]cb''Gh XYbhg'UfY
]bffcXi W'X'hc'h'YcfYh]WU'Z'Ua Yk cf_g'h.UhXYgW'jVY'h.Y''j] YX']bh'fgYW'h]c.bg'VYtk YYb'W'hi fU'UbX'Yj YfmXUm
dYfZcfa UbW'g''H\Y'dc']h]W'`dfca]gY'cZ'h.YgY'Z'Ua Yk cf_g']g'Z'fh.Yf'\Y][\h'byX'Vm'h.Y'gi]h'cZUYgh.Y'h]W
UbX'Ufh]gh]WdfUW'h]W'g'h.Uh'h.Y'W'ci fgY'X]gW'ggYg''#i]g'h'cgY'Ufh]gh]WdfUW'h]W'g'k \]W'g'g'ck''gh XYbhg'k Umg
h.Uh'h.Y'mia][\h'Ug'Ufh]gh]c'f'W'hi fU'k cf_Yfgz'g'ck'Xc]b[''H\U'h]g'z']h]bffcXi W'g'ghi XYbhg'hc'U'Z'Y'X'cZ
W'YU'h]j Y'k cf_'h.Uhi gYg'dYfZcfa UbW'hc'fYZYW'ii dcbz'W'h]jei Y'cf'W'YVfU'h' h.Y'a Ub]Z'X'k Umg']b'k \]W'j'h
ZYU'h'fYg']b'ci f'XU]m'j] Yg"

5ggYgga Ybh

D`YUgY`gYY`h\Y`Wci`fgY`A`ccXY`Zcf`XYHJ`YX`]bZcfa`U]cb`cb`Wci`fgY`UggYgga`Ybhg"

5ggYgga YbhHUg_g`

5ggYgga YbhHUg_	K`Y][`h	8i`Y`8UH`	Gh`XYbh`@YUfb]b[Ci`hWca`Yg`5ggYggYX
A`i`h]d`Y`WXc]W`Ubx`g\cfh Ubgk`Yf`hYgh`	&\$i	=b!`YWw`fY`&-`5i`[`i`gh`&\$%`	%z&z
7`fYUhj`Y`d]hW`[`fci`d dfYgYbhU]cb`	%i	DfYgYbhU]cb`]b`U`cWUH`YX h`hcf]U`Xi`f]b[`k`YY_g`+!`%&	%z&z)
7`fYUhj`Y`d]hW`]bX]j`]Xi`U` fYdcfh`			

5ggYgga Ybh(. :]Y`Xk cf_`YI YfWgY

GhfhXUHy.`

@Yb[h. `&\$\$\$!&&\$\$`k cfXg

8YhJ`g. `&\$\$\$!&&\$\$`k cfXg" `H\]g`]g`hY`Z]bU`UggYgga YbhUg_"Gh XYbhg`k]`fYWj] Y`Zcfa Uhj Y`UbX
gi a a Uhj Y`ZYXVUW`h\fc [\ `XYhJ`YX`Wta a YbhUfmUbX`bcHhcbj]U`[fUXYa Uf_"

Gi Va]gg]cb'cZ5ggYgga YbhHUg_g

Gh XYbHg'UfY'YI dYW'X'hc'di h'Y]f'bUa Yg'UbX'ghi XYbhbi a VYfg'cb'Yj YfmdU[Y'cZ'Y]f'Ugg][ba Ybhg"

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] 'hYa 'cb' [YI HYfbU'HY'fji 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'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 ghfY]b' mci f'h]W_Yhbi a VYf'Z'ca '9I HYfbU'Gi ddcfhfU'cb['k]h'Ubmc'hYf'fY'Yj UbhXcW a Ybhg'hc
]bW' XY'Ug'Yj]XYbW'hc'gi ddcfhmc i f'YI HYbg]cb'Udd']W]h]cb" zmc i 'Ya U] '9I HYfbU'Gi ddcfhmc i 'k]
Ui 'ca U]W' m'fYW']j Y'U'h]W_Yhbi a VYfz'Vi h]Zmc i 'HY'Yd\cbY' mci 'k]' b'YX'hc'gdYW]W' m'Ug_ 'Zcf'cbY"
Hi fb]h]b'U'gc'dfcj]XYg'i dXUHY'g'cb'h'Y]f'gmghYa 'ghU'g'cb'Hk]HYf"

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

@UH'5ggYgga YbhDYbU'h]Yg

Gh XYbHg'UfY'fYgdcbg]V'Y'Zcf'h'Y'gi Va]gg]cb'cZUggYgga YbhHUg_g'Vmi'Y'f'Yei]fYX'XUHY'g'UbX'h'a Yg"
8YdYbX]b['cZ'Y'YI HYbhcZXY'Um]b'h'Y'gi Va]gg]cb'cZUb'UggYgga YbhHUg_'dUgh'Y'Xi Y'XUHY'UbX'h'a Yz

- K cf_gi Va]hYX`%\$`hc`%-`XUmg`UZhf`h`Y`gh]di`UH`X`XYUX`]bY`k`j`VY`UggYggYX`UbX`ZYXVUW`dfcj`]YX`Vi`hU`a`Uf`_`cZnYfc`k`j`VY`fYW`fYX`"Z`h`Y`k`cf`_`k`ci`X`U`j`Y`fYW`j`YX`U`dUgg`a`Uf`_`Vi`hZ`f`h`Y`U`h`b`Y`gg`UbX`h`Y`k`cf`_`]g`U`W`a`di`gc`fm`W`i`fg`Y`W`a`dcb`Y`bh`f`i`f`X`Y`f`Y`ei`]f`Y`a`Y`b`h`Z`U`g`h`X`Y`bh`k`j`VY`X`Y`a`Y`X`h`_`U`j`Y`a`Y`h`h`U`h`f`Y`ei`]f`Y`a`Y`bh`/`
- K cf_gi Va]hYX`&\$`cf`a`cf`Y`XUmg`UZhf`h`Y`gh]di`UH`X`XYUX`]bY`k`j`bch`VY`U`W`W`d`h`X`Z`f`Ugg`Y`gga`Y`bh`U`b`X`k`j`f`Y`W`j`Y`bc`ZYXVUW`z`a`Uf`_`cf`[`f`U`X`Y`"Z`h`Y`Ugg`Y`gga`Y`bh`U`g`_`]g`U`W`a`di`gc`fm`W`a`dcb`Y`bh`c`Z`h`Y`W`i`fg`Y`U`g`h`X`Y`bh`k`j`f`Y`W`j`Y`U`b`l`bg`U`h`g`Z`U`W`c`fm`:`U`j`f`l`:`k`[`f`U`X`Y`U`g`U`f`Y`gi`h`c`Z`i`bg`U`h`g`Z`U`W`c`f`m`d`Y`f`Z`c`fa`U`b`W`]b`U`b`Y`gg`Y`bh`j`U`W`a`dcb`Y`bh`c`Z`h`Y`W`i`fg`Y`"

H\]g`]bZ`c`fa`U`h`c`b`]g`U`g`c`U`j`U`j`\$ %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" #WU b'U`Y`a Ubm Zcfa gZ Zca`XY]VYfUHY`WXYU]b['hc`UW]XYbU`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`Z`ck]b[`WU]Y[cf]Yg.

7cdm]b[.`i g]b['hY`gUa`Y`cf`j`Yfmg]a`]Uf`k`cfXg`hc`hY`cf][]bU`hY`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`Ufh`UbX`XYg][`b`dfc`YW`gZ`Ug`k`Y`U`g`dfYgYbU]cbg`k`Y`fY`gca`YcbY`dfYgYbhg`UbchY`f`g`]XYUg`cf`k`cfXg`k`]h'ci hWYX]H'

#Uddfcdf]UHY`dUfUd`fUg]b[.`7`U`b[]b[`U`Z`k`k`cfXg`UbX`d`fUgYg`k`Y`a`cghmifYU]b]b['hY`cf][]bU`g`fi`W`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`dfYgYbU]cbg`k`Y`fY`gca`YcbY`dUfUd`fUgYg`UbchY`f`g`]XYUg`cf`k`cfXg`k`]h'ci hWYX]hUbX`hc`d]Y]W]b['hc[Y`hY`f`ei`chYg`UbX`dUfUd`fUgYg`]bhc`U`bYk`k`Y`c`Z`k`]h'ci hUddfcdf]UHY`fYZYfYbW]b["

7c`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_]7c`i`g]cb`U`gc`]bW`i`XYg`dfcj`X]b[`mci`f`k`cf_]hc`UbchY`f`gh`XYbhVY`Zc`fY`hY`Xi`Y`XU]Y`Zc`f`Zc`f`hY`di`fdcgY`cZ`hY`a`d`U[]Uf]g]b[`Uh`Ubm]h]a`Y`Z`dUm]b[`UbchY`f`dYfgcb`hc`dYfZcfa`Ub`UWUXYa`]W]Ug`Z`gh`U`]b[`cf`UW`ei`]f]b[`UbchY`f`dYfgcb`g`UWUXYa`]Wk`cf_]UbX`W`dm]b[`]h`cZ`Z`f]b[`hc`W`a`d`Y`h`UbchY`f`dYfgcb`g`k`cf_]cf`gY`Y_]b[`dUma`YbhZc`f`W`a`d`Y`h]b[`UWUXYa`]Wk`cf_]`

#Uddfcdf]UHY`W]U]cb.`7`h]b[`gci`fW`g`k`]W`U`j`Y`bchVYYb`fYUX`Z`k`]h'ci hUW_bck`YX[]b['hY`"gYW`bXUfm`gci`fW`Zca`k`]W`_bck`YX[Y`cZ`hY`a`U`g`VYYb`cV]U]bYX"

8i`d`]WU]cb`f`fY`Z`d`U[]Uf]ga`"L`gi`Va`]h]b[`mci`f`ck`b`k`cf_]Z`]b`k`Y`cf`]b`dUf`Z`k`Y`fY`]h`U`g`d`fY`]ci`g`m`VYYb`dfY`dUfYX`cf`gi`Va`]hYX`Zc`f`UbchY`f`UggY`gga`Ybhcf`W`ei`fgY`U`h`I`BGK`cf`UbchY`f`i`b]j`Yfg]m`

7c`fY`W`fYZYfYbW]b[`d`fUW]W]g.

- DUfUd`fUg]b[`Z`gi`a`a`Uf]g]b[`Z`YggUm`k`f]h]b[`UbX`h]a`Y`a`UbU[`Ya`Ybh
- 5ddfcdf]UHY`i`gY`cZ`UbX`U`h]f]Vi`h]cb`Zc`f`U`fU]b[`Y`cZ`a`U`h]f]U`g`]bW`i`X]b[`hY`i`h]`]a`U[`YgZ`Zc`f`a`i`UY`UbX`W`b`W`d`r`g`"

#X]j`]Xi`U`U`gg]gh`UbW`]g`Uj`U]UV`Y`cb`fYei`Ygh`Zca`h`Y`@`YUf]b[`7`Yb`fY`f`h`td`#`k`k`"Wi`bgk`"YXi`"Ui`#`"G`h`XYb`hg`U`fY`U`gc`fYa`]bXYX`h`U`h`W`fY`Z``h]a`Y`a`UbU[`Ya`Ybh]g`Ub`]a`dc`fU`b`h`d`U`f`h`c`Z`g`h`Xm`UbX`c`bY`cZ`hY`a`]XYb]h]Z`YX`W`li`gY`g`cZ`d`U[]Uf]ga`]g`d`cc`f`h]a`Y`a`UbU[`Ya`YbH`G`h`XYb`hg`g`l`ci`X`U`ck`g`i`Z`Z`W`Y`b`h]h]a`Y`Zc`f`fYgYU`fW`Z`X`fU`Z]b[`UbX`d`f`c`d`Y`f`fYZYfYbW]b[`cZ`gci`fW`g`]b`d`fY`d`Uf]b[`U`U`ggY`gga`Ybh]h]a`g`"

I`BGK`@]V`fUfm`U`gc`U`g`hY`9`@`G`9`hc`U`j`U]UV`Y`hc`U`gg]gh`mci`k`]h`mci`f`gh`Xm`U`h`I`BGK`"9`@`G`9`]g`XYg][`bYX`hc`]b`f`c`Xi`W`bYk`g`h`XYb`hg`hc`g`h`Xn]b[`U`h`I`BGK`Vi`h]h`W`b`U`gc`VY`U`[`fYU`h`fY`Z`fY`g`Y`f`Xi`f]b[`mci`f`gh`Xn`

7ca`d`Y`h]b[`hY`9`@`G`9`h`hc`f]U`UbX`ei`]n`k`]Y`b`U`V`Y`mci`hc.

- UbU`mgY`hc`d]W`gZ`d`Ub`fYg`d`cbgYg`UbX`cf[`Ub]gY`fYgYU`fW`Zc`f`UWUXYa`]Wk`f]h]b[`UbX`chY`f`UggY`gga`Ybh]Ug_g
- YZYW]j`Y`m`UbX`Y`Z`Z`W`Y`b`h`m`Z]bX`Uddfcdf]UHY`]bZcfa`U]cb`gci`fW`g`UbX`Yj`U`i`U`h`fY`Yj`UbW`hc`mci`f`bY`Y`X`g`
- i`gY`UbX`a`UbU[`Y`]bZcfa`U]cb`Y`ZY`W]j`Y`m`hc`U`W`W`a`d`]g`U`g`d`Y`W]Z`W`di`fdcgY`
- VY`hY`f`a`UbU[`Y`mci`f`h]a`Y`

- i bXYfghUbx'mci f'f][\hg'UbX'fYgdcbg]V]]hYg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[]Uf]ga ž'Wcdmf][\hžI BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5Ww'dhUV'Y'I gY'cZ I BGK '⇒H'F Ygci fW'g'Dc`]Wn
- VY'Uk UfY'cZh'Y'ghUbxUfXg'cZVY\Uj]ci f'YI dYW'X'cZYj Yfmcby']b'h'Y'I BGK 'Wca a i b]m
- `cWJh'gYfj]Wg'UbX']bZcfa Uh'cb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZh'YgY'UfYUg'k]`VY'ZJa]]Uf'hc'mci ž'ch'Yfg'k]`VY'byk "; U]b]b['U'gc`X'i bXYfghUbx]b['cZU`h'Y fY'UH'X'UgdYW'g'cZ9@G9'k]`Y'd'mci 'a U_Y'h'Y'a cghcZmci f'gh X]Yg'Uhl BGK "

[f\hd.#gi.VYWf\[i\]XYg"\]VfUfm'i bkg "YXi "Ui #'\]gY#UVci h' \]gYŁ](#)

7 ci fgY'GWYXi `Y

[J.Yk.WUgg`ha.YhUV`Y](#)

H]a.YhUV`Y`

8UH	HmdY	7cbhYbh
K YY_%&'>i`m!&-'>i`m	Hcd]W	9I d`U]b]b[`G\ck]b[`8c]b[
	@YWh fY	K Y`]b]fciXi W`mci `hc`k Umg`cZ`h]b_]b[`UVci hUW]cb`! h`Y`Yj YfmXUmih]b[g`h`Uhk Y`fXcfUbx`h`Y`k Umg`h`Uh k Y`dUfh]W]dUH`]b`Ub`]bWYUg]b[`midYfZcfa UbW! ZcW ggYX`gcWYhm`
	Hi hc]U`g	Bc`h`hc]U`g`]b`k YY_%
K YY_&.`\$>i`m!) 5i [i gh	Hcd]W	7i `h`fU`dYfZcfa UbW`UbX`F`]h`U`
	@YWh fY	H\]g`k YY`_k Y`cc`_Uh\ck `W`h`fU`Yj Ybtg`ZUa Y`ci`f Yj YfmXUmUW]cbg`-`h`YgY`W]b`VY`h`ci [\hcZUg f]h`U`g`h`Uha Uf`_W]gYg`cZgY`Z`bU]cb`cf`W`a`a`i`b]m UbX`h`Uh`h`Y`d`i`g`hc`fUbg]h]cbZ`fUbgZcfa `cf`YU`"
	Hi hc]U`	;`i`]XYX`X]gW gg]cb`cZ`_Ym]XYUg`Zca`fYUX]b[g`H`Y gcW]U`XfUa U`f]]Wcf`Hi`fbYfZ`7i`h`fU`dYfZcfa UbW fA`]hcb`G]b[YfZ`@]a`]bU`f]h`U`g`f5`fbc`X`J`Ub`;`YbbYd`
K YY_`.*`5i [i gh!`%& 5i [i gh	Hcd]W	DYfZcfa UbW`UbX`h`Y`;`YbXYfYX`G`Y`Z]Y`L`
	@YWh fY	H`Y`dYfZcfa Uh]`Y`X]a`Ybg]cbg`cZ[`YbXYf`UFY`VY]b[ghU[`YX`]b`fUX]W]`mbYk`k`Umg`"K`Y`W`bg]XYf`h`Y fY`Uh]cbg\]d`VY`k`YYb`Ya`VcX]YX`[`Ygh`fYg`UbX`X][`]h` cbYgZ`Zca`h`Y`fYg]gh]`Y`ghfUH[`]Yg`cZ`]`Y dYfZcfa UbW`hc`\ck`k`Y`a`][`h`UfYgh`h`Y`XmbUa`]Wg cZ[`YbXYf`cb`]bY`"
	Hi hc]U`	8]gW gg]cb`cZ`_Ym]XYUg`UbX`W]gY`gh`X]Yg. DYfZcfa Uh]`]mfb`"@`5i`gh]bZ`>i`X]h`6i`hYfL`UbX`DUF]g]g`6i`fb]b[`f%`-`\$`L`"
K YY_(.`%`5i [i gh!`%`- 5i [i gh	Hcd]W	8 UbW`UbX`DYfZcfa UbW`!`[`i`Ygh`YWh`fYf`8f`9f]b 6fUbb][`Ub
	@YWh fY	H\]g`k YY`_k Y`X]gW gg`\ck`[`Ygh`fYg`W`a`a`i`b]W]h`"
	Hi hc]U`	8]gW gg]cb`UbX`dfUW]W]`YI`d`cfU]cb`cZ[`Ygh`fY`Ug`U hmdY`cZdYfZcfa UbW`"
K YY_)`.&\$`5i [i gh!`&`* 5i [i gh	Hcd]W	

F Ygci fWg

DfYgWf]VYX F Ygci fWg

F YUX]b[g'Zcf'h]g'Wci fgY'UFY'dcghYX'cb'A ccX'Y']b'hY'k YY_'mgWYXi 'Y"'#i]g'U'[fYUh]XYU'hc'df]bh
ci h#ck b'cUX'U''fYUX]b[g'Zcf'hY'Wci fgY'VYZcfY']hVY[]bg'gc'h.Uh'hYmiUfY'fYUXmiUbX'k U]h]b['Zcf'mci 'hc
fYUX'UbX'a Uf_'i d"

K \UhK Y'9I dYWicZMci

Hi hcf]U'WcbXi W

Mci 'UFY'YI dYWYX'hc'UW]j Y'mdUfh]W]dUH'UbX'VY'dfYdUFYX'Zcf'YUW'h hcf]U'Zca 'k YY_g'&!% 'i]b'hY'Zcfa 'cZ
dfcj]X]b['Uj U'i UV'YZ'W]h]W'UbX'hci [\h' 'Wcbf]Vi h]cb'hc'cVgYfj Uh]cbg'cb'dYfZcfa UbW'UbX
dYfZcfa UbW'gh X]Yg"

fYgdcbgYŁ"E i Yghcbg'hUhWJb'VY'Ubgk YfYX'VmFYUX]b['hY'Wci fgY'ci h]bY'k]"bchVY'fYgdcbXYX'hc""Mci
WJb'Wb'UW'hYUVX]b['ghUZZ]]U'Ya U]ž'h'Yd\cbY'cf'dfY!UffUb[YX'Wcbgi 'hU]cb""9a U]g'k]"U'k Umg'VY
Ubgk YfYXžVi hd'YUgY'U`ck '(, 'aci fg'Zcf'U'fYgdcbgY""9a U]g'k]"bchVY'Ubgk YfYX'UZYf'aci fg'cf'cb
k YY_YbXg"

D'YUgY'gYY'I BGK '7cXY'cZ7cbXi WñZcf'a cfY]bZcfa U]cb""

F YWda a YbXYX'F Ygci fWg

Mci 'WJb'Z]bX'hY""]b_'hc'hY'Wca d'Yh'Vcc_;" fcbVgU]fa` fa BWda_S' UWE fgV[Wc'VmF]WUfX'GWYWXbYf']b
K YY_C bY'cZ'hY'Wci fgY'gWYXi 'Y""H\]g']g'U'\Y'dZ 'h'I h'cc_'hc '[fci bX'mci ']b'hY'X]gW]d']bY"

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

Gh XYb]g']b'dfYj]ci g'mYUfg'Yb'cmYX""YUfb]b['UVci hdYfZcfa UbW'Zca 'X]ZYfYbhdYfgdYW]j Yg"