



ARTS1480

☺hfcXi Wc fm: fYbVX '5

HYfa 'C bY''##'&\$%-

GWcc``cZ< i a Ub]hYg'UbX'@Ub[i U[Yg''##' I BGK ``5 frg'UbX'GcWU``GWYbWg



7ci fgY`Cj Yfj JYk

`GHUZZ7cbhUWw8YHUJ`g`

`7cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj]m	@cWUjcb	D\cbY
J U`ÁfjY`7ca VY! ; Yfa Yg	j "W`a VY[Yfa Yg4 i bgk "YXi "Ui	A cbXUmž%%`hc`%&/ H\i fgXUm' `hc`(`cf VmUddc]bħa Ybħ'	A cfj Yb`6fck bžf\$&Ł- ' ,) ! `Yj Y``&žfcca &+%`	&' %)

`Hi hcfg`

B Ua Y	9a Uj`	5j Uj`UVj]m	@cWUjcb	D\cbY
5`YI UbXfU`6Yf]cn	U"VYf]cn4 i bgk "YXi "Ui	6mUddc]bħa Ybħ'	A cfj Yb`6fck bžf\$&Ł- ' ,) ! `Yj Y``&žfcca &++	&' %)
B]bU`7ccfYm	b]bU"W`cfYm4 i bgk "YXi "Ui	6mUddc]bħa Ybħ'	A cfj Yb`6fck bžf\$&Ł- ' ,) ! `Yj Y``&žfcca &++	&' %)
A cb]ei Y`@Ui fU	a "Ui fU4 i bgk [`cVU"i bgk "YXi " Ui	Hi YgXUm%\$`hc`%`cf VmUddc]bħa Ybħ'	A cfj Yb`6fck bžf\$&Ł- ' ,) ! `Yj Y``&žfcca &++	&' %)

GWcc`7cbhUWw`bZcfa Uh]cb

GWcc`cZ<i a Ub]hYg`UbX`@Jb[i U[Yg

@cWUjcb. `GWcc`C Z]WžA cfj Yb`6fck b`6i]X]b[ž`@Yj Y``&ž&),

CdYb]b[`<ci fg. A cbXUm! : f]XUmž- Ua `!) da

D\cbY. `ž`*%&'- ' ,) `)% , %

: U! . `ž`*%&'- ' ,) `; , +\$)

9a Uj]: [\U`4 i bgk "YXi "Ui](#)

7ci fgY'8YHJ]`g

7fYX]hDc]bHg`*`

Gi a a UfmicZ\hY'7ci fgY

Gi VYWh5fYU.: fYbW\`Gh X]Yg

H\Y': fYbW\!gdYU_]b[`k cfX'fYdfYgYbHg'cbY'cZ\hY'V][[Ygh`]b[i]gh]WncbYg]b'h\Y'k cfX'k]h`Ub`Ygh]a UH\X
&+(`a]`cb): fYbW\!gdYU_ Yfg'cb'U`Z] Y`Wcb]bYbHg": fYbW\]g]bcbcb`mi'h\Y'cZ]W]U`Ub[i U[Y'cZa Ubm
]bHfU]cbU`]bgh]h]cbg`Vi h]h]g'U'gc'h\Y'Ub[i U[Y'cZU'f]W\Z]]VfUbhUbX'X]j YfgY`Wca a i b]fmicZgdYU_ YfgZ
a U_]b[`]hU]j Yfmj U'i UV`Y`Wc]W`]b`Ub[i U[Y'gh Xn`H\]g`Wci fgY'k]`VY`dYfZYWhZcf'mci `]Zmci `Uj Y'bc'fcf
j Yfm`]hY'EdfYj]ci g`_bck`YX[Y'cZ\hY'`Ub[i U[Y.`]hk]`hU_Y'mci `h'fci [\`h\Y`VUg]Wg'cZ`Ub[i U[Y`UWci]g]hcb
UbX`]b'fcXi W`mci `hc`Y`Ya YbHg'cZ: fYbW\ W`h`fY.`mci `k]` [U]b`h\Y`VUg]W\Wca dYH'bV]Yg`bYVWggUfmihc
gdYU_`UbX'k f]h'UVci hrci fgY`ZUbX'mci f]a a YX]UH`Ybj]fcba Ybh]b": fYbW\`UbX'mci `k]`VY`UV`Y`hc
]b'fcXi W`mci fgY`Z'mci f`ZJa]mUbX'mci f`Z]YbXg`UbX`Yj Yb'cfXYf`ZcX`Zca `U`fYghUi fUbh]b`DUf]g`

H\]g`Wci fgY']g`U`VY[]bbYfg!`Yj Y`Ub[i U[Y`Wci fgY""5`gh X]YbHg'k \c`Uj Y`UX'gca Y`YI dYf]YbW`k]h`h\Y
`Ub[i U[Y`Z`Y]h\Yf`Ug`U`Yf]hU[Y`Ub[i U[Y`cf'h'fci [\`dfYj]ci g`]bghfi W]cbZ'a i ghZ`]b`h\Y`d`UW`a Ybh

H\Y`YWñ fYg'ZcW'g'cb'j'cWU'Vi`U'fm'UbX'['f'U'a'a'U'f'Vi'h'W'`h'i'f'U'`h'c'd]W'g'U'f'Y'U'g'c']b'W'i'X'Y'X"':H'c'Z'f'h'Y'f'm'c'i'f'
'Y'U'f'b]b['Y'I'd'Y'f]Y'b'W'Z'U"':Y'W'ñ'f'Y'g'k'j"':V'Y'd'f'Y'f'Y'W'f'X'Y'X'c'b!'']b'Y'']b'U'j']X'Y'c'Z'g'c'h'U'h'W'U'g'g'h'a'Y'W'U'b'V'Y'i'g'Y'X'
a'c'f'Y'Y'Z'Y'W'ñ]Y'm'U'dd'm]b['h'Y'b'Y'k'`f'i'`Y'g'U'b'X'i'g]b['h'Y'b'Y'k'`W'c'b'W'd'h'g"':M'c'i'`k'j"':V'Y'Y'I'd'Y'W'ñ'X'h'c'X]['h'U'`m'
]b'h'f'U'W'ñ'k'j'h'`h'Y'`Y'W'ñ'f'Y'f'Y]h'Y'f'k'j'h'`m'c'i'f'`U'd'h'c'd'z'h'U'V'Y'h'c'f'g]a'd'm'g'a'U'f'h'd'\c'b'Y'.'m'c'i'`k'j"':V'Y'd'c"':Y'X'Z'ei']h'n'Y'X'
U'b'X'U'g_Y'X'h'c'd'Y'f'Z'c'f'a'`U'`b'i'a'V'Y'f'c'Z'h'U'g_g'X]f'Y'W'ñ'm'f'Y'U'h'Y'X'h'c'h'Y'`Y'g'g'c'b']b'h'Y'j']X'Y'c/h'Y'f'Y'k'j"':U'g'c'V'Y'
g'c'a'Y'h'a'Y'X'Y'X]W'U'h'Y'X'h'c'ei'Y'g'h'c'b'g'U'b'X'd'f'c'V'Y'a'g"

5ggYgga Ybh

5ggYgga Ybh' . J]XYc 'Ugg][ba Ybh

GHUfhXUHY . 'Bch5dd']WUV'Y

@Yb[h. ' ' 'rc') 'a]bi h'g

8YHU]`g. 'Gh XYbhtg'k]`Wca d`YHY`U`j]XYc`Ugg][ba YbhcZ' `rc') 'a]bi h'g" Gh XYbhtg'k]`Z'a `h\Ya gY'j Yg`UbX fYd`micfU`mhc`U`gdYWZWei Yghcb": YYXVUW`k]`VY`[]j Yb`]b`fi Vf]Wg`Z`dYfgcbU`Wca a Ybhtg" Gh XYbhtg`WUbb Wcbgi `h\hY`YWi fYf`Zcf`Z fh\Yf`ZYXVUW`"

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

Gh XYbhtg`UFY`gfcfb[`mYbWci fU[YX`rc`gi Va]h\hY]f'j]XYc`U`ZYk` \`ci fg`]b`UXj UbW`Ug`i d`cUX`h]a Yg'a Um j UfmUbX`VYWca Y`cb[YfZ`YgdYWU`mWcgYf`rc`h\Y`XYUX`]bY"

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

5ggYgga Ybh(. :]bU`YI Ua]bUH]cb

GHUfhXUHY . '

@Yb[h. '&`\ci fg

8YHU]`g. 'Gh XYbhtg'k]`Wca d`YHY`U`Z]bU`YI Ua]bUH]cb`cZ`&`\ci fg" Gh XYbhtg'k]`VY`[]j Yb`fYUX]b[Wca dfY`Ybg]cb`UbX`k`f]h]b[`YI YfW]gYg" Gh XYbhtg'k]`fYW]j Y`U`a Uf`_`UbX`ZYXVUW`k]`VY`[]j Yb`i`dcb Wcbgi `hUH]cb`k]h`h\hY`YWi fYf`ffi Vf]Wg`UbX`dYfgcbU`Wca a Ybhtg`"H\]g`]g`h\Y`Z]bU`UggYgga YbhZcf UH]bXUbW`di fdcgYg"

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

HfUj Y`UffUb[Ya Ybhtg'a UXY`df]cf`cf`UZfYf`h\Y`di V`]WU]cb`cZ`h]g`Wci fgY`cj Yfj]Yk`UFY`bchU`j U`]X`fYUgcb`Zcf U`h]fbUH]j Y`cf`gi dd`Ya YbhUfmYI Ua]bUH]cb`XUH]g"

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

5 hYbXUbW F Yei]fYa Ybhg

5 hYbXUbW cZhi hcf]U'g']g'a UbXUhcfm]b'h]g'Wci fgY" l bYI W gYX UVgYbW Fca 'a cFY hUb'&\$i 'cZhi hcf]U'g k]'fYgi 'h]b'hY'Uk UfX'cZU'ZU]'[fUXY"

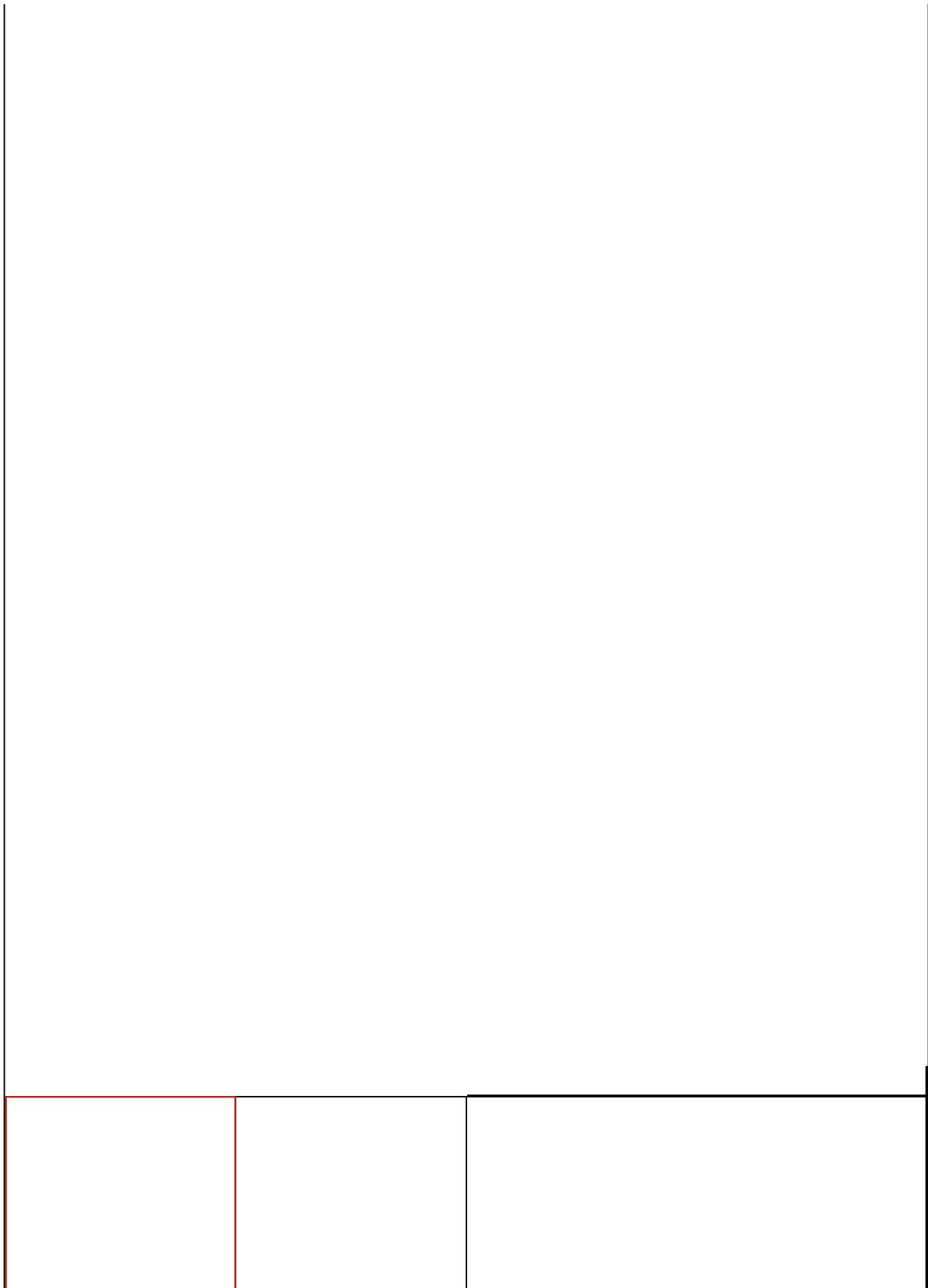
h'h hcf]U'g'mci 'k]'UW]j Y'mYb[U[Y'k]h 'WcfY'Wci fgY'WcbhYbZ'YbUV']b['mci 'hc'UhtU]b'7 @C '%UbX'7 @C '&"

7 ci fgY'GWXYXi `Y

[J \]yk WUgg'hja YhUVY](#)

H]a YhUV`Y`

8UhY	HmdY	7cbhYbh
K YY_% '% : YVfi Ufm! '& : YVfi Ufm	@YWhi fY	<p>BFHC8I 7H€B.'HcY'a '%z8cgg]Yf'\$</p> <p>&@YWhi fYg'fi UW!hc!: UW / 'K YVt</p> <p>% " 9I d'UbUhc]cbg'UbX']b]fcXi W]cb'hc'Wci fgY fBcgg]Yf'\$t"</p> <p>&" Bi a VYfg / ; fYYh]b[g</p>
	Hi hcf]U`	<p>' !\`Hi hcf]U'g.</p> <p>% " 7ci bh]b[</p> <p>&" ; fYYh]b[g / 'dc']hYbYgg</p> <p>' " 6Ug]Wi b]j Yfg]mj cWUVi `Ufm</p>
K YY_`&. '&) : YVfi Ufm! ' A UfW	@YWhi fY	<p>HcY'a '%z8cgg]Yf'%z@YAc'b'%</p> <p>&@YWhi fYg'fi UW!hc!: UW / 'K YVt</p> <p>% " H\Y'i b]j Yfg]mjYbj]fcba Ybh</p> <p>&" A UgW']bY'j g" 'Za]b]bY'#G]b[i 'Uf'j g" d'i fU'</p> <p>' " H\Y'U`d\UVYh</p> <p>(" Dfc]bc] bg / `VUg]Wwcb↑ [Uh]cb</p>
	Hi hcf]U`	<p>' \`Hi hcf]U'g.</p> <p>% " GdY`]b[' [Ua Yg'#'c]hc'UbX#f'd\cbY</p> <p>bi a VYfg</p> <p>&" 7cb↑ [Uh]cb'dfUW]W</p> <p>' " CVYWg XYg][bUh]cb</p>



	Hi hc]U`	' \Hi hc]U'g. % @ghYb]b['dfUW]W &" 7 cb↑ [Uh]cb'dfUh]W ' " GdYYX'XUh]b[3"
	5ggYgga Ybh	@GH9B-B; 'H5G? 'f&\$! Ł!' \$'a]bi hYg']b'Hi hc]U'`&
	C b`]bY'5W]j]m	C b`]bY`Yggcb. 'YI d'cfUh]cb'cZB UbhYg
K YY_+. '%5df]'!'+5df]`	@YWh fY	HchYa '%ž8cgg]Yf" ž@YĀcb'- &'@YWh fYg'f] UW!hc!ZJW / 'K YVŁ % : ccX/ 'Xf]b_g &" F Yj]g]cb'cZUfh]WYg ' " #fY[i 'Uf'Vcb↑ [Uh]cbg (" E i Ygh]cbg'k]h '9GH!79'E I 9
	Hi hc]U`	' \Hi hc]U'g. % K f]h['dfUW]W. 'k f]h' hY'a Ybi 'cZU fYghUi fUbh &" GdYU_]b['dfUW]W. 'Ui 'fYghUi fUbh
	5ggYgga Ybh	: 998657? '@GH9B-B; 'H5G? 'fHi hc]U'`%Ł
K YY_., ; '5df]'!%'('5df]`	@YWh fY	HchYa '%ž8cgg]Yf" ž@YĀcb'%'\$ &'@YWh fYg'f] UW!hc!ZJW / 'K YVŁ % H\Y'W]mYbj]fcb'a Ybh &" #a dYfgcbU`g]f] W] fYg ' " H\Y'dfcbci b'CB
	Hi hc]U`	' \Hi hc]U'g. % E i]n'dfUW]W &" 8YgW]VY'mci f'gi Vi fV'#k \YfY'mci ''j] Y ' " K f]h['dfUW]W. 'WYU'U'hc]i f]ghVfcW]i fY Zcf'mci f'W]cgYb'W]m
	5ggYgga Ybh	E I #N'6'f]Ł i Ł!'%'a]bi hYg']b'Hi hc]U'`&
K YY_-. '%) '5df]'!'&% 5df]`	@YWh fY	HchYa '%ž8cgg]Yf" ž@YĀcb'%% &'@YWh fYg'f] UW!hc!ZJW / 'K YVŁ % H]a Y/ '\cVV]Yg &" @_Yg/ 'X]g]_Yg ' " GdUh]U`'cW]nUh]cb (" Gi [[Ygh]b[/ 'cf[Ub]n]b[
	Hi hc]U`	' \Hi hc]U'g. % DU]f'k cf_ 'k \UhXc'mci ''_Y'Xc]b['Uh k YY_YbXg3 &" 5bmf]b['d'UbbYX'Zcf'bYI hk YY_YbX3

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

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

≠mci`YbWci bHYf`U`dfcV`Ya`k`Yb`U`HYa`dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybh`h`fci`[`\`Hi`fb]h]b`z`d`YUgY`
HY`Yd`cbY`9I`HYfbU`Gi`ddcfhcb`-`,`)`'`'`'`%cf`Ya`U]`h`Ya`cb`YI`HYfbU`HY`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`mY`UfL`≠mci`
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhXi`Y`hc`U`ZU`hik`]h`Hi`fb]h]b`mci`a`Um`Udd`mi`Zc`f`Ub`YI`HYbg]cb`z`Vi`hmc`i`
a`i`ghfY`hU]b`mci`f`h]W`Yhbi`a`VYf`Zca`9I`HYfbU`Gi`ddcfhfU`cb[`k`]h`Ubmc`h`Yf`fY`Yj`UbhXcW`a`Yb`hgL`hc`
]bWi`XY`Ug`Yj`]XYbW`hc`gi`ddcfhmc`i`f`YI`HYbg]cb`Udd`]W]h]cb"≠mci`Ya`U]`9I`HYfbU`Gi`ddcfhmc`i`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 gž`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[YgžUfhUbX`XYg][b`dfc`YWgžUg`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`fY`UbX`#`f`dfc[fYgg]cb`cZ]XYUg`cZ`hY`cf][]bU`ž`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`Yž`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`XUHYž`cf`Zc`f`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'Wcdmf][\hž' BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5Ww'dhUV'Y'I gY'cZ I BGK '⇒H'F Ygci fW'g'Dc`]Wm
- 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]W'g'UbX'j]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 ""

[\hhd.##ji V'YWf'i \]XYg""\]VfUfm'i bgk "YXi "Ui #' \]gY#JVci h' \]gY](#)

5 WUXYa]W]bZcfa Uh]cb`

: cf`YggYbh]U`ghi XYbh]bZcfa Uh]cb`fY`Uh]b[`hc.

- fYei Yghg`ZcfYI hYbg]cb/
- `UhY`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk `cZa Uf_g/
- I BGK `<YU`h`UbX`GUZY`midc`]WYg/
- YI Ua]bUh]cb`dfcVWXi fYg/
- gdYW]U`Vc]bg]XYfUh]cb`]b`hY`Yj Ybhcz]`bYgg`cf`a]gUXj Ybh fY/
- ghi XYbhYei]hmUbX`X]gUV`]`hm/
- UbX`chYf`YggYbh]U`UWUXYa]W]bZcfa Uh]cbz`gYY

[\h\]dg.#k k k "Ufmg"i bgk "YXi "Ui #W ffYbh\]ghi XYbh\]bZcfa Uh\]cb`#dfchVc`g!\[i \]XY`\]bYg#](#)