



ARTS2212

Gci hYUgh5g]U

GYa Yghf'Cby''##'&\$%

5 WUXYa JWbZcfa Uhcb

: cfYggYbhU`ghi XYbh]bZcfa Uhcb`fY`Uh]b[`rc. fYei Ygrg`Zcf`YI h/bg]cb/fYj]Yk `cZa Uf_g/cVWw dUhcbU`\\YU`h
UbX`gUZ`m/YI Ua]bUh]cb`dfcW`Xi fYg/gdYWU`W`bg]XYfUh]cb`]b`hY`Yj Ybhcz]`bYgg`cf`a]gUXj Ybh fY/
ghi XYbhYei]mUbX`X]gUV]`]m`UbX`ch`Yf`YggYbhU`UWUXYa]W]bZcfa Uhcbž
gYY`[\hdg.#k k "Ufng"i bgk "YXi "Ui #W ffYbhghi XYbng#UWUXYa \]W\]bZcfa Uhcb#dfcfcW`g!\[i \]XY`\]bYg#](#)

7 ci fgY'8YHJ]`g

7 fYX]hDc]bHg`*`

Gi a a UfmicZ\hY'7 ci fgY

Gi V\W\h5fYU.'3e[S` E fgV[W

H\]g`Wci fgY`WJb`U`gc`VY`gh`X]YX`]b`h\Y`Zc`ck`]b[`gdYW]U`]gU]cb.`: [efackf;` Va` W`e[S` E fgV[W

H\Y`Wci fgY`ZcW`gYg`cb`a`cXYfb`Gci`h\YUgh5g]U`g]bW`h\Y`YbX`cZ\hY`Wc`cb]U`dYf]cX`i`bh`h\Y`dfYgYbhXUm`
`bgh`UX`cZ\hY`fUX]hcbU`]bhfdfYU]h]cbzk` \]W`gYYg`U`fYbX`hck`UfXg`Ui`hcf]hUf]Ub]ga`zk`Y`g\U`fYUX`
`]ghc`fmUbX`dc`]h]Vg`]b`W`bhYa`dcfUfmGci`h\YUgh5g]U`Ug`Ub`i`bfYgc`j`YX`W`bZ]W`hVYtk`YYb`tk`c`
W`a`dYh]b[`

5ggYgga Ybh

GYY`h\Y`a Uf_]b[`fi Vf]W\h\Ug`VYYb`i d`cUXYX`]b`h\Y`A ccX`Y`g]h`rc`gYY`h\Y`[YbYfU`YggUma Uf_]b[W]hYf]U"

5ggYgga YbhHUg_g`

5ggYgga YbhHUg_	K Y][\h	8i Y`8UH`	Gh XYbh@YUfb]b[Ci hWta Yg`5ggYggYX
F YgYUfW`9ggUm	(\$i	\$(#)\$ #&\$% `\$(.\$\$`DA	&Z ž(
F YgdcbgYg`rc`fYUX]b[g`	&\$i	Hi rcf]U`g`]b`k`YY`_g`' ž(ž`*`UbX +	(
7`Ugg`hYgh	&\$i	(&) #)\$ #&\$% `-\$`.\$\$`5A	%ž(ž)
hX]j]Xi U`9I YfWgY. Gci hYUgh5g]Ub`ggi Yg`	&\$i	Bch5dd`]WVY	&Z

5ggYgga Ybh8YHJ]`g

5ggYgga Ybh%`F YgYUfW`9ggUm

GHUfhXUH`. Bch5dd`]WVY

8YHJ]`g. `F YgYUfW`9ggUmVfc`_Yb`Xck b`]brc—V]V`c[fUd\mž`UVghfUWh`UbX`Z]bU`YggUmGh`XYbhg`k`f]h`Ub YggUmfW`" `\$\$\$`k`cfXgE`]b`fYgdcbgY`rc`cbY`cZ`h\Y`ei`Ygh]cbg`i`g]b[`gWc`Ufg\`d`]b`Gci`hYUgh5g]Ub gh`X]Yg`":`YYXVUW`_]g`h`fci`[`\`]bX]j`]Xi`U`Wta`a`Ybhg`UbX`fi`Vf]W`H\]g`]g`h\Y`Z]bU`UggYgga`YbhZcf`UthYbXUbwW`di`fdcgYg`"

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

D`YUgY`c[`cb`rc`h\Y`A`ccX`Y`G]h`Zcf`h\Y`Wci`fgY`i`bXYf`"7`cb]h]bh`UbX`F`Ygci`fWg`"rc`UWVW`gg`h\Y`Z]Y`Ybh]hYX`"9ggUmHcd]Mg`UbX`6]V`c[fUd\]Yg`"

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`bchgYY`Hi`fb]h]b`g]a`]Uf]hmifYdcf]g`"

5ggYgga Ybh&.`F YgdcbgYg`rc`fYUX]b[g`

GHUfhXUH`. Bch5dd`]WVY

8YHJ]`g. `Gh`XYbhg`gi`Va`]hU`fYgdcbgY`fW`")`\$\$!`*`\$\$\$`k`cfXgE`rc`gYhei`Ygh]cbg`cb`k`YY`_m]fYUX]b[`g`VY`ZcfY`Zci`f`h`rcf]U`g`":`YYXVUW`_]g`Vm]bX]j`]Xi`U`Wta`a`Ybhg`ž`fi`Vf]W`UbX`]b!`WUgg`X]gW`gg]cb`"

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

H\Y`ci`fbU`]g`Ub`YI`fYa`Y`m]a`dcf]UbhWta`dcbYbhicZ`h\Y`UggYgga`Ybh`"Hi`rcf]U`g`k`]`cb`mik`cf`_]Zgh`XYbhg`Wta`Y`rc`h\Y`WUgg`dfYdUfYX`Zcf`X]gW`gg]cb`"Gh`XYbhg`g`ci`X`Xc`h\Y`fYei`]fYX`fYUX]b[`Zcf`h\Y`k`YY`_UbX`Wta`b]f]Vi`h`rc`h\Y`WUgg`X]gW`gg]cb`]b`Ub`]bZcf`a`YX`a`UbbYf`"H\Y`gi`Va`]gg]cb`cZ`h\Y`ci`fbU`Ugg][`ba`Ybh`Ybgi`fYg`h`Ughg`XYbhg`k`]`Wta`Y`rc`h\Y`WUgg`dfYdUfYX`"D`YUgY`c[`]brc`h\Y`A`ccX`Y`g]h`rc`Xck`cUX`"

h\y`z`y`Ybh`h`YX`"Hi`hcf]U`F`YUX]b[g`UbX`E`i`Ygh]cbg`Zcf`8]gW`gg]cb`"i`bXYf`h`Y`z`y`"7`cbhY`bh`UbX`F`Ygci`fW`g`"
H\]g`\\Ug`h`Y`"ghcZfYUX]b[g`UbX`ei`Ygh]cbg`Zcf`X]gW`gg]cb`YUW`k`YY`_`f]bW`i`X]b[`h`Y`ei`Ygh]cbg`mci`b`Y`Y`X`
hcf`Ub`gk`Yf`Zcf`"ci`fbU`g`"5`"h`hcf]U`f`YUX]b[g`UfY`UW`W`gg]V`Y`h`fci`[`\\`h`Y`[`f`Y`b`"b`_]b`h`Y`A`ccX`Y`G]h`
Ybh`h`YX`"F`Ye`i`]fYX`F`YUX]b[g`Zcf`Hi`hcf]U`g`"7`]W_]b[`cb`h`g`"b`_`k`]"[`Y`h`mci`_]b`hcf`h`Y`@]VfUfmi@Y[`Ub`hcf`
gmgh`a`k`\\YfY`h`Y`f`YUX]b[g`UfY`z`YX`UW`W`fX]b[`hcf`Y`Yj`Ub`h`k`YY`_"`G`h`XY`b`h`g`UfY`h`Y`b`f`Ye`i`]fYX`hcf`Ub`gk`Yf`

5XX]h]cbU`XYHJ]g.

6X]j]Xi U`9I YfW]gY`

Gh XYbthg`g\ci `X`WccgY`Ub`]ggi Y`hYmiH`b`_]g`ja dcfUbhcbY`]b`Gci hYUgh5g]U`UbX`X]gW`gg`f&E`k` \m]h]g
ja dcfUbhcbY`f&E`k` \U]h]g`dYW`_]UfmGci hYUgh5g]Ub`UVci h]h`Ubx`f`l`ck` \Ug`]hUZZY`WY`X`Gci hYUgh5g]Ub
gcW]Yhmz` \]g`hcfmz`dc`]h]Wg`z`Y`W`bca` n`z`W` `h` fY`Y`H`W` `6`cfXY`f`h`c`]`i`gfU`H` `mci` f`]ggi` Y`k`]h` `Ub` `YI` Ua` d`Y` `mci` `a` Um
Xc`U`W]gY`gh` XmcZcbY`Gci hYUgh5g]Ub`W`ci` bhfm` `Gh` XYbthg`g\ci `X`Xc`h`Y`f`ck` b`fYgYUfW` `cb`h`Y`]f`W]gY`
gh` Xn`

Gca Y`]ggi Yg`W`ci `X`VY` `W`ffi dh]cbz`bYdch]ga` z`Ui` h`cf]h]f]Ub]ga` z`_]bg` \]d`dc`]h]Wg`z`Ybj`]fcb`a` YbhU` `dfcV` `Ya` g
fZ`cf`YI` Ua` d`Y`XYZ`cfYg]h]cbz`dc` `i` h]cb`Y`h`W`l`z`k` ca` Yb`g` `UbX` `[` YbXY`f`]ggi` Yg`z`fY`]` [`ci` g` `VY` `]Y`Zg`z`Y`Xi` W]h]cbU`
gm]hYa` g`z`W` `h` fU` `U`h]h` XYg` fW`ccgY` `cbY` `cf` `k` c`l`z` `Ub` [`i` U` [`Y`z`Y`h`b`]M]h]Yg`z`]bh`Y`fb`U]h]cbU` `fY` `U]h]cbg` \]dg` `cf`
X]d`ca` U]h]WfY` `U]h]cbg`z`h`Y` `W]g]g`]b`h`Y` `gci` h` `7` \]bU` `gYU`#` YghD` \] `]dd]bY` `gYU`z`a` YX]W` `h`ci` f]ga` z`DfYg]XYbh
8`i` h`f`h`Y`f]k` Uf`cb`Xfi` [`g`z` `Xca` Ygh]W` \Y`dYfg`z` `UVci` f`]ggi` Yg`]b` `YI` dcfhdfcW`gg]b[` `ncbYg`z`a`]`]h]f]ga` z`Y`h`b]W
a`]bcf]h]Yg`z`W]j`]`k` Ufg`z`fYg]gh]UbW` `h`c`X]W]U`h`c`fg` \]dg`z` `bU]h` fU` `X]g]gUghY`fg` f]h`d` \`ccbg`z`ZccXg`z`hgi` bUa`]g`z`j` c`W]b]W
Yfi` dh]cbg`z`Y`h`W`

Gh XYbthg`UfY`YbW`ci` fU[`YX` `h` `VY` `WYU]h]` Y`]b`]XYbh]Z]h]b[` `Ub`]ja` dcfUbh]ggi` Y` `Gh` XYbthg` `k`]` `dfYgYbh]h`Y]f`
]ggi` Y` `cfU` `m]b` `WUgg`Z`cf`UVci` h`&`!` `a`]bi` h`Y`g` `cb` `m`

H\]g`]g`mci` f`]bX]j`]Xi` U`#`f[]bU` `fYgYUfW` `dfc`Y`W` `Gh` XYbthg`g\ci` `X`gi` Va`]hU` `C`B`9`dU[`Y` `Ubbch]h`X`
V]V` `c[`fUd` \m]h`c` h`Y` `h` `h`c`f` `cb` `h`Y` `XUmicZ`h`Y]f`dfYgYb]h]cb`

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

Gi Va]gg]cb'cZ5ggYgga YbhHUg_g

Gh XYbng'UFY'YI dYWVX'hc'di hHAY'f'buA Yg'UbX'ghi XYbhbi a VYfg'cb'Yj YfmdU[Y'cZHY]f'Ugg][ba Ybng"

Hi fb]hb'Gi Va]gg]cb

Zmci 'YbWci bHY'U'dfcV'Ya 'k \Yb'UHYa dh]b['hc'gi Va]hrci f'Ugg][ba YbhHfci [\ 'Hi fb]hbzd'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'Zmci
UFY'i bUV'Y'hc'gi Va]hrci f'Ugg][ba YbhXi Y'hc'U'ZU' 'hk]H'Hi fb]hb'mci 'a UmiUdd'mZcf'Ub'YI HYbg]cbZ'Vi hrci
a i ghfYU]b'mci f'h]W_Yhbi a VYfZ'ca '9I HYfbU'Gi ddcfhfU'cb['k]H'UbmcH'Yf'fY'Yj UbhXcW a Ybng'hc
]bWi XY'Ug'Yj]XYbW'hc'gi ddcfhrci f'YI HYbg]cb'Udd'jW]hcb"Zmci 'Ya U]'9I HYfbU'Gi ddcfhrci 'k]'
Ui 'ca Uh]W'mfYW'j] Y'U'h]W_Yhbi a VYfZ'Vi h]Zmci 'HY'Yd\cbY'mci 'k]'b'YX'hc'gdYW]Z]W'mUg_Zcf'cbY"
Hi fb]hb'U'gc'dfcj]XYgi dXUH'g'cb'HY]f'gmghYa 'ghU'g'cb'Hk]HYf"

; YbYfU'mZ'UggYgga YbhHUg_g'a i ghVY'gi Va]HYX'Y'YWfcb]W'mj]U'Y]H'Yf'Hi fb]hb'cf'U'A ccX'Y
Ugg][ba YbH' 'b]bgHUbW'g'k \YfY'h.]g']g'bchdcgg]V'YZ'hk]'VY'g'UH'X'cb'mci f'Wci fgY'g'A ccX'Y'g]HY'k]H
U'HYfbUH] Y'gi Va]gg]cb'XYU]g"

@UH'5ggYgga YbhDYbU'h]Yg

5b'UggYggYX'fUg_']g'XYYa YX'UH']Z]h]g'gi Va]HYX'UZ'Yf'HY'gdYW]YX'h]a Y'UbX'XUH'Ug'gYhci h]b'HY
Wci fgY '@YUfb]b['A UbU[Ya YbhGmghYa 'f@A G'L"

H\Y'UH'dYbU'm]g'HY'cgg'cZ) i 'cZHY'hcU'dcgg]V'Ya Uf_g'Zcf'HY'fUg_'Zcf'YUW'XUmcfdUfhHYfYcZHY
k cf_']g'UH' '@UH'YbYgg'k]']bWi XY'k YY_YbXg'UbX'di V]W\c']XUmg" H\]g'XcYg'bchUdd'mhc'U'fUg_'hUh]g
UggYggYX'Vi hbc'a Uf_']g'Uk UfXYX"

K cf_'gi Va]HYX'Zci fHYb'f%('XUmg'UZ'Yf'HY'Xi Y'XUH'k]'VY'a Uf_YX'UbX'Z'YXVUW'dfcj]XYX'Vi hbc'a Uf_
k]'VY'fYW'fXYX"ZHY'k cf_'k ci 'X'\Uj Y'fYW'j] YX'U'dUgg'a Uf_'Vi hZcf'HY'UH'YbYgg'UbX'HY'k cf_']g'U
Wca di 'gcfmWci fgY Wca dcbYbH'U'ghi XYbhk]'VY'XYYa YX'hc'\Uj Y'a YhH'UHfYei]fYa YbH'H\]g'XcYg'bch
Udd'mhc'U'fUg_'hUh]g'UggYggYX'Vi hbc'a Uf_']g'Uk UfXYX"

K cf_'gi Va]HYX'k Ybhmcby'f%('XUmg'UZ'Yf'HY'Xi Y'XUH'k]'bchVY'UW'WdhX'Zcf'a Uf_]b['cf'Z'YXVUW_
UbX'k]'fYW'j] Y'bc'a Uf_'cf[fUXY"ZHY'UggYgga YbhHUg_g'U'Wca di 'gcfmWca dcbYbhczHY'Wci fgY'U
gh XYbhk]'Ui 'ca Uh]W'mZU]'HY'Wci fgY"

GdYW]U'7cbg]XYfUH]cb'5dd']W]h]cbg

Mci 'Wb'Udd'mZcf'gdYW]U'Wcbg]XYfUH]cb'k \Yb']'bYgg'cf'ch'Yf'W]FW a ghUbW'g']bHYfZYf'k]H'mci f
UggYgga YbhdyfZ'ca UbW"

G]W_bYggza]gUXj Ybhi fY'cf'ch'Yf'W]FW a ghUbW'g'VYncbX'mci f'W'blfc''a Um

f'DfYj Ybhrci 'Zca 'Wca d'Yh]b['U'Wci fgY'fYei]fYa YbH'

f'?YYd'mci 'Zca 'UH'YbX]b['Ub'UggYggUV'Y'UW]j]mZ

f'Ghd'mci 'gi Va]hb['UggYggUV'Y'k cf_'Zcf'U'Wci fgYZ

f`G][b]Z]W]b]h]m]U]Z]Y]W]h]m]i] f]d]Y]f]Z]c]f]a] U]b]W]W]]b]`U]g]g]Y]g]g]U]V]`Y]`k] c]f]_]Z]V]Y]`]h]U]`Z]c]f]a] U]`Y]b]X]!]c]Z]g]Y]a] Y]g]h]f]`Y]I] U]a]]b]U]h]c]b]Z]U] W]U]g]g]`h]Y]g]h]Z]U]`U]V]c]f]U]h]c]f]m]h]Y]g]h]Z]U]`g]Y]a]]b]U]f]d]f]Y]g]Y]b]h]U]h]c]b]`c]f]U]b]m]c]h]Y]f]Z]c]f]a] `c]Z]U]g]g]Y]g]g]a] Y]b]h]

: c]f]Z] f]h]Y]f]X]Y]h]U]`g]`]b]`f]Y]`U]h]c]b]`h]c]`G]d]Y]W]U]`7]c]b]g]X]Y]f]U]h]c]b]`]b]W]i] X]b] [``K] \]Y]b]`h]c]`5]d]d]`m]Z]``<]c]k] `h]c]`5]d]d]`m]`U]b]X] `G]i] d]d]c]f]h]b] [`8]c]W] a] Y]b]h]U]h]c]b]``d]`Y]U]g]Y]`f]Y]Z]f]`h]c]`h]Y]`G]d]Y]W]U]`7]c]b]g]X]Y]f]U]h]c]b]`k] Y]V]g]h]Y]`.

[\\]h\]c\]g.\]#\]g\]h\] X\]Y\]b\]h\]i\] b\]g\]k\] "Y\]X\]i\] "U\]i\] #\]g\]d\]Y\]W\]U\]`!\]W\]c\]b\]g\]X\]Y\]f\]U\]h\]c\]b\]](#)

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" #WUb`hU`Y`a Ubm
Zcfa gZ`Zca`XY`]VYfUHY`WXYU]b['hc`UWV]XYbU`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.

7cdm]b[.`i`g]b['hY`gUa`Y`cf`j`Yfmg]a`]Uf`k`cfXg`hc`hY`cf][]bU`hY`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` \Yf`gca`YcbY`dfYgYbhg`Ubc`hY`f`g`]XYUg`cf`k`cfXg`k`]hCi hW`YX]h`

#Uddfcdf]UHY`dUfUd`fUg]b[.`W`Ub[]b[`U`Zy`k`cfXg`UbX`d`fUgYg`k` \]Y`a`cghm`fYU]b]b['hY`cf][]bU`
g]fi`W`fY`UbX`]bZcfa`U]cb`k`]hCi hUW`bck`YX[Ya`Ybh`H`]g`U`gc`Udd`]Yg`]b`dfYgYbhU]cbg`k` \Yf`gca`YcbY`
dUfUd`fUgYg`Ubc`hY`f`g`]XYUg`cf`k`cfXg`k`]hCi hW`YX]h` #U`gc`Udd`]Yg`hc`d`]YW]b[`hc`[Y`hY`f`ei`chYg`UbX`
dUfUd`fUgYg`]bhc`U`bYk`k` \c`Y`Z`k`]hCi hfY`ZYfYbW]b[`UbX`U`gh`XYbh`g`ck`b`UbU`mg]g`hc`V`f]b['hY`a`U`hY`f]U`
hc`[Y`hY`f`

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`
]bWi`XYg`dfcj`X]b[`mci`f`k`cf_]hc`Ubc`hY`f`gh`XYbhVY`Zc`fY`hY`Xi`Y`XU`hY`Zc`f`Zc`f`hY`di`fdcgY`cZ`hY`a`
d`U[]Uf]g]b[`Uh`Ubmi]a`Y`Z`dUm]b[`Ubc`hY`f`dYfgcb`hc`dY`Zc`fa`Ub`UW`XYa`]W`hUg`_`Z`ghY`U`]b[`cf`U`W`ei`]f]b[
Ubc`hY`f`dYfgcb`g`UW`XYa`]W`k`cf_]UbX`W`dm]b[`]Z`c`Z`Y`f]b[`hc`W`ca`d`Y`hY`Ubc`hY`f`dYfgcb`g`k`cf_]cf`g`Y`Y_]b[
dUma`Ybh`Zc`f`W`ca`d`Y`h]b[`UW`XYa`]W`k`cf_]`

#Uddfcdf]UHY`W`hU]cb.`7`]h]b[`gci`fW`g`k` \]W` \Uj`Y`bchV`Y`b`fY`UX`Z`k`]hCi hUW`bck`YX[]b[`hY`"gY`W`bXU`fm`
gci`fW`Z`ca`k` \]W`_`bck`YX[Y`cZ`hY`a` \Ug`V`Y`Y`b`c`V`hU]bYX`

8i`d`]W`h]cb`f`f`gY`Z`d`U[]Uf]ga` "E`gi`Va`]h]b[`mci`f`ck`b`k`cf_]b`k` \c`Y`cf`]b`dU`f`Z`k` \YfY`]h` \Ug`d`fYj`]ci`g`m`
V`Y`Y`b`d`fY`dU`fY`X`c`f`gi`Va`]hY`X`Zc`f`Ubc`hY`f`UggY`gga`Ybhcf`W`ei`fgY`U`hI`BGK`cf`Ubc`hY`f`i`b]j`Yfg]m`

7c`ffY`W`hY`ZY`fY`bW]b[`d`fU`W`h]W`g.

- VYhYf'a UbU[Y'mci f'hja Y

7 ci fgY'GWXYXi `Y

[J Jyk WUgg`ha YhUV`Y](#)

H]a YhUV`Y`

8UH	HmdY	7cbhYbh
K YY_%`&*` : YVfi Ufm!` (A UfVX	@YWi fY	H\Y`8 mbUa]Wg`cZ8]WUhc fg\`dg`]b`h\Y`D\`]]dd]bYg UbX`&XcbYg]U`]bWi X]b[`U`XcW`a`YbhUfm]a` ``7`ci`d XfYhUh
	Hi hcf]U`	B`c`h`h`h`f]U`g`
K YY_`&.`) `A UfVX`!`:%` A UfVX	@YWi fY	H\Y`?` \a`Yf`F`ci` [`Y`]bWi`X]b[`YI`Wfdhg`Zfca`h\Y`Z]a` `F`ZW`=[`Y` `Y`8]WVe`UbX`WUgg`X]gW`gg]cb`
	Hi hcf]U`	hfcXi`W]cbz`ck`h`k`f]h`U``ci`fbU`z`UbX`Hfj`]U` Di`fgi`]h` ``B`Ua`Y`h\Uh8]WUhc`f`
K YY_` ``.%`&`A UfVX`!`:%` A UfVX	@YWi fY	A`][`fU]cb
	Hi hcf]U`	H\Y`&h`fbYhUbX`Dc`]h]Wg`]b`h\Y`D\`]]dd]bYg`UbX`&XcbYg]U
K YY_`(`.:%`A UfVX`!`&`) A UfVX	@YWi fY	J`]YhUa
	Hi hcf]U`	H\Y`?` \a`Yf`F`ci` [`Y`
K YY_`)`.:%`&`A UfVX`!`:%` 5df]`	@YWi fY	B`c` ``YWi`fYg.`;` ccX` :` f]XUm` \c`]XUm
	Hi hcf]U`	B`c`h`h`h`f]U`g.`;` ccX` :` f]XUm` \c`]XUm
6fYU_`&`5df]`!` , `5df]`		
K YY_`*`.`-`5df]`!`%` `5df]`	@YWi fY	G]b[`UdcfY
	Hi hcf]U`	A`][`fU]cb`
K YY_`+`.`%`*`5df]`!`&`&` 5df]`	@YWi fY	K`ca`Yb`]b`7`cbhYa`dcfUfmGci`h\YUgh5g]U
	Hi hcf]U`	J`]YhUa
K YY_`,`.`&`5df]`!`&`-` 5df]`	@YWi fY	6i`fa`U`#`mUba`Uf`]bWi`X]b[`h\Y`F`c` \]b[`mUg
	Hi hcf]U`	G]b[`UdcfY
K YY_`-`.`\$`5df]`!`*`A`Um	@YWi fY	H\U]UbX.` `A`cbUfVX`mUbX`A`]`]Ufm

	Hi hcf]U'	8cW a YbHfMz]a 'g\ck]b['fG]hk YL'UbX'X]W gg]cb cb'h\Y'F c\]b[mUg
K YY_%. '+ 'A Um! '% A Um	@YWh fY	A U'Um]U'UbX'h\Y'F]gY'cZH\Y'A]XX'Y'7 'UggYg']b Gci h\YUgh5g]U
	Hi hcf]U'	H\U]UbX
K YY_%% '%('A Um! '&\$ A Um	@YWh fY	DUfh%'H\Y'A Ubm: UWg'cZHci f]ga ']'b'Gci h\YUgh 5g]U DUfh&.'8Ya cWUWmGci h\YUgh5g]Ub'GmY
	Hi hcf]U'	hX]j]Xi U'9I YfW]gY
K YY_%. '&%'A Um! '&+ A Um	@YWh fY	7 'Ugg'HYgh
	Hi hcf]U'	hX]j]Xi U'9I YfW]gY 'Wcb]bi YX'
K YY_% . '&, 'A Um! '' >i bY	@YWh fY	Bc''YWh fY
	Hi hcf]U'	hX]j]Xi U'9I YfW]gY 'Wcb]bi YX 9ggUm]fYh fbYX'UbX'ZYXVUW_[]j Yb"

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

H\YfY`UfY`bc`hI`h\cc_g`fYei`]fYX`Zcf`h\]g`Wci`fgY`"

D`YUgY`c[`]bhc`h\Y`A`ccX`Y`G]h`Zcf`h\Y`7`ci`fgY`UbX`W]W`cb`h\Y`Z]Y`"Hi`hcf]U`E`i`Ygh]cbg`UbX`F`YUX]b[`g`"
5`h\Y`ei`Ygh]cbg`Zcf`h\Y`ei`fbU`Ugg][`ba`Ybhtg`UbX`h`h`hcf]U`X]gW`gg]cb`hcd]Wg`UfY`h\YfY`Ug`k`Y`"Ug`h\Y`
fYUX]b[`]gh`5`h\Y`fYUX]b[`g`WUb`VY`UWVY`ggYX`h\fcI`[`\`h\Y`@]VfUfm]@Y[`Ubhc`gmghYa`Ya`VYXXYX`]b`h\Y`
A`ccX`Y`g]h`Zcf`h\Y`Wci`fgY`"cc_`i`bXYf`7`cbhYbhtg`UbX`F`Ygci`fWg`"UbX`h\Y`b`W]W`cb`h\Y`[`fYyb`]Wcb`
Ybh]hYX`"F`Yei`]fYX`F`YUX]b[`g`ZgY`YWh`h\Y`k`YY`_`UbX`h\Y`fYUX]b[`g`UfY`h\YfY`"

F YWca a YbXYX`F Ygci fWg

D`YUgY`c[`]bhc`h\Y`A`ccX`Y`G]h`Zcf`h\Y`Wci`fgY`UbX`W]W`cb`h\Y`Z]Y`"9ggUmE`i`Ygh]cbg`UbX`6]V`]c[`fUd\]Yg`"
k`\]M\`Ug`h\Y`"]ghcZYggUmei`Ygh]cbg`UbX`fYWca`a`YbXYX`fYUX]b[`g`Zcf`YUW`hcd]W`"

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

Gh`XYbhYj`U`i`Uh]cb`]g[`]Uh\YfYX`h\fcI`[`\`A`m9I`dYf]YbW`WcgY`h`h\Y`YbX`cZ`h\Y`gYYa`ghYf`"H\Y`ZYXVUW`
UghmYUf`k`Ug`j`Yfmdcg]h]`Y`UbX`h\Y`cb`mia`U`cf`WcbWfb`k`Ug`h\Y`bi`a`VYf`cZ`UggYgga`Ybhtg`"b`fYgdcbgY`h`
h\]g`"Uj`Y`fYXi`WVX`h\Y`bi`a`VYf`cZ`UggYgga`Ybhtg`Zcf`h\]g`Wci`fgY`"fYa`cj`YX`h\Y`"9h]bc[`fUd\]W9I`YfW]gY`"
k`\]M`fYei`]fYX`gh`XYbhtg`h`[`c`h`7`UVffUa`UhfU`cb`h\Y]f`ck`b`UbX`X]gW`gg`h\Y`k`Umih]g`gi`Vi`fV`]g`
J`]YrbUa`YgY`fUbX`?`a`YfE`"5`YWh`fY`k`Ug`[`]j`Yb`cb`\`ck`h`Xc`h\]g`hUg`_`Vi`h]g`\`Ug`U`gc`VYyb`fYa`cj`YX`
Zca`h\Y`Wci`fgY`XYg][`b`]b`&\$%`""`=U`gc`fYa`cj`YX`h\Y`a`]X!`hYfa`h`ghgc`h`Ughh`XYbhtg`bck`cb`mXc`%`hYghUh`
h\Y`YbX`cZ`gYa`YghYf`"b`chYf`k`cfXg`h`c`UggYgga`Ybh]hYa`g`k`YfY`fYa`cj`YX`Zca`h\Y`Wci`fgY`"H\]g`cZ`
Wci`fgY`a`YUbh]hUh`=\UX`h`"]bWYgUY`h\Y`j`U`i`Y`cZ`h\Y`YggUm]fYei`]fYa`Ybh`"

æ U[`Y`7`fYX]h

GhYyhGWbY`]b`<`c`7`\]A`]b`\`7`]mf&\$%`E`"D\`chc[`fUd\`Vm]A`Ufmb`]@mc]bg`"

7F`⇒`CG`

7F`⇒`CG`Dfcj`]XYf`7`cXY`.\$\$\$`-`,`;