



ARTS1031

F YUX]b['H\fc i [\ 'H]a Y. '@]hYfUhi fY Zfca 'h\Y 'F YbU]ggUbVW
hc 'Dcgha cXYfb]m

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

7 ci fgY`Cj Yfj]Yk

`GHUZZ`7 cbhUWh`8YHU]`g`

`7cbj Ybcfg`

B Ua Y	9a U]`	5j U]UV]`]m	@WWhcb	D\cbY
8f`>c\b`5Hf]X[Y	^Uhf]X[Y4 i bgk "YXi "Ui	K YX`%\$"" \$!%&"" \$	&&, `K YVghYf	-',)`((, (

`@YWh fYfg`

B Ua Y	9a U]`	5j U]UV]`]m	@WWhcb	D\cbY
5ggcWUUh`DfcZggcf 6]`K U_Yf	k "k U_Yf4 i bgk "YXi "Ui			
8f`G][]>ch_UbXh	g`ch_UbXh4 i bgk "YXi "Ui		K YVghYf	
8f`7\fg`8UbH	WXUbH4 i bgk "YXi "Ui			

`Hi hcfg`

B Ua Y	9a U]`	5j U]UV]`]m	@WWhcb	D\cbY
8f`>Ua Yg`8i hcb	^Xi hcb4 i bgk "YXi "Ui			

GWXcc`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: [\hfdg.#gUa "Ufng"i bgk "YXi "Ui](#)

H\Y`GWXcc`cZHY`5fng`UbX`A YX]U`k ci`X`_]Y`hc`F YgdYWwZ`m5W_bck`YX[Y`hY`HfUX]h]cbU`7i`gfcX]Ubgž`hY`6YXY[U`fP`Ybg]b[hcb`Wla`di`gŁž; UX][U`f7]hmUbX`5fhv`8Yg][b`7 Ua`di`gYgŁ`UbX`hY`B [i`bbUk`U`dYcd`Y`f5i`ghU]Ub`8YZ`bW` : cfW`5WUXYa`m]b`7 UbVYffUŁ`cZHY`UbXg`k`YfY`YUWX`Wla`di`g`cZI`BGK`]g`cWUhYX"

5hYbXUbW`F Yei]fYa Ybhg

5`gh`XYbh]g`YI`dYW`X`hc`Uhh`bX`U`WUgg`W`bhUWh`lci`fg`Zcf`U`ZUW`!hc!ZUW`fI`&`Ł`cf`V`YbXYX`WŁi`fgY`UbX`WŁa`d`Yh`U`UW]j`]hYg`Zcf`U`V`YbXYX`cf`Z`mcb]bY`WŁi`fgY"

5`gh`XYbhk`c`Uff]j`Yg`a`cfY`h`Ub`%`a`]bi`hY`U`h`a`UmVY`dYbU`]gYX`Zcf`bcb!Uhh`bX`UbW`"Zgi`W`U`dYbU`hm`]g`ja`dcgYXž`hY`gh`XYbhia`i`ghVY`]bZcfa`YX`j`YfVU`m`Uh`hY`YbX`cZUWgg`UbX`UXj`]gYX`]b`k`f]h]b[`k`]h]b`&(`\`ci`fg"

ZU`gh`XYbhYI`dYf]YbW`g`]`bYggž`a`]gUXj`Ybh`fY`cf`chYf`cWw`ffYbW`h`Uha`U`Yg`UVgYbW`Zca`U`WUgg#UW]j`]mi`bUj`c]XUV`Yž`cf`YI`dYW`g`hc`VY`UVgYbhZca`U`Zcf`h`WŁa`]b[`WUgg#UW]j`]mž`hY`mg`lci`X`gYY`dYfa`]gg]cb`Zca`hY`7`ci`fgY`5i`h`cf]mž`UbX`k`YfY`Udd`]WUW`Yž`hY`]f`fYei`Yghg`lci`X`VY`UWwŁa`dUb]YX`VmUb`cf][`]bU`cf`W`fh]YX`WŁdmcZU`a`YX]W`W`fh]ZUWh`cf`chYf`Zcfa`cZUddfcdf]Uhh`Yj`]XYbW"

5'7ci fgY'5i h'cf]hma UmYI W'gY'U'gh XYbhZca 'WUggYg'cf'UWj] jYg'Zcf'i d'hc'cbY'a cbh'"<ck Yj YfZ'HYm
a UmUgg][b'UXX]h'cbU'UbX#cf'U'h'fbU'h] Y'hUg_g'hc'Ybgi fY'W'a d']UbVW"'5'7ci fgY'5i h'cf]hm'W'bg]XYf]b['h'Y
[fUbh]b['cZUVgYbVW'a i ghVY'gUhgZ]YX'U'gh XYbhk]'gh''VY'UV'Y'hc'a YYh'h'Y'W'ci fgY'g''YUfb]b['ci h'W'a Yg
UbX#cf] c'i a Y'cZ'YUfb]b["'5'gh XYbhgYY_]b['Uddfcj U'hc'VY'UVgYbhZcf'a cfY'h'Ub'cbY'a cbh'a i ghUdd'm
]b'k f]h]b['hc'h'Y'8YUb'UbX'dfcj]XY'U''cf][]bU'cf'W'fh]Z]YX'gi ddcfh]b['XcW'a Yb'U]h]cb"

: cf'a cfY']bZ'fa U]cb'UVci h'h'Y'U'h'Y'bXUbW' 'dfc'hc'W'g']b'h'Y': UW 'hmcZ5f'g'UbX'GcW]U'
GWYbVW'g: [\hdg.#k k "Ufg"i bkg "YXi "Ui #W ffYbh'gh XYbhg#UWXYa \]W\]bZ'fa U\]cb#dfc'hc'W'g!\[i \]XY' \]bYg#](#)

5WXYa]W'Z'fa U]cb'

7ci fgY'8YHJ]`g

7fYX]hDc]bHg`*`

Gi a a UfmicZ\hY'7ci fgY

Gi VYWhi5fYU.'7`Y[eZ

H\]g'Wci fgY'k]`XYj Y'cd'mci f'g_]`g]b'9b[`]g\`h'fci [\`U'ZcW gYX`]b'fciXi W]cb'hc`h'Y'XYj Y'cda YbhcZ
9b[`]g\`]h'fUhi fY`b'hja Y'UbX'd`UW`"HU_]b[`Ug`]hg'ghUf]b[`dc]bh'h'Y'bc]cb'h'UhYUW`dYf]cX'gYYg`]hgY'ZUg
"a cXYfb"z'h'Y'Wci fgY'k]`VcbWb'fUh'Y'cb'_Ym\]g'f]W`g\]Zg]b'9b[`]g\`]h'fUfmW`hi fY'Zca`%) \$\$'hc`h'Y
dfYgYb'h'Mci f'i bXYfghUbX]b[`cZ`]h'fUfma cj Ya YbHg'k]`VY'Yi h'YbXYX'h'fci [\`U'ZcW g'cb'ch'Yf`_]bXg'cZ
Wcb] ghUb_YhYhg`W`"b'_b'hb_YhYhg`Z_]k g\`h`b: fgbXg'zYbmtfUhg]h'XYg]h'fYfgY`X`

Gi Va]gg]cb'cZ5ggYgga YbhHUg_g

Gh XYbHg'UFY'YI dYWX'hc'di h'AY]f'bUa Yg'UbX'ghi XYbhbi a VYfg'cb'Yj YfmdU[Y'cZ'AY]f'Ugg][ba YbHg"

Hi fb]hb'Gi Va]gg]cb

zmc i 'YbWci bHYf'U'dfcV'Ya 'k \Yb'UHYa dh]b['hc'gi Va]hrci f'Ugg][ba Ybh'fci [\ 'Hi fb]hb'z'd'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]hrci f'Ugg][ba YbhXi Y'hc'U'ZU' 'hk]h'Hi fb]hb' b' mci 'a UmiUdd'm'Zcf'Ub'YI HYbg]cb'z'Vi hrci
a i ghfY]b' mci f'h]W_Yhbi a VYf'Z'ca '9I HYfbU'Gi ddcfhfU'cb['k]h'Ubmc'h'Yf'fY'Yj UbhXcW a YbHg'hc
]bW' XY'Ug'Yj]XYbW'hc'gi ddcfhrci f'YI HYbg]cb'Udd']W]h'cb" zmc i 'Ya U]'9I HYfbU'Gi ddcfhrci 'k]`
Ui 'ca U]W' m'fYW'j] Y'U'h]W_Yhbi a VYf'z'Vi h]Zmc i 'HY'Yd\cbY'mci 'k]`b'YX'hc'gdYW]W' m'Ug_'Zcf'cbY"
Hi fb]hb'U'gc'dfcj]XYg'i dXUHY'g'cb'h'AY]f'gmghYa 'ghU'h'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]hb'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'h'Y'f'Yei]fYX'XUHY'g'UbX'h'a Yg"
8YdYbX]b['cZ'AY'YI HY'bh'cZXY'Um]b'h'Y'gi Va]gg]cb'cZUb'UggYgga YbhHUg_'dUgh'h'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`\\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`j`VY`XYa`YX`h`\\Uj`Y`a`Yh`h`UhfYei`]fYa`Ybh`
- K cf_gi Va]hYX`&\$`cf`a`cfY`XUmg`UZhf`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`j`fYW`j`Y`Ub`l`bgUhgZUW`c`fm`:`U`]`f`l`:`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]h`ci hUW_bck`YX[Ya Ybh`

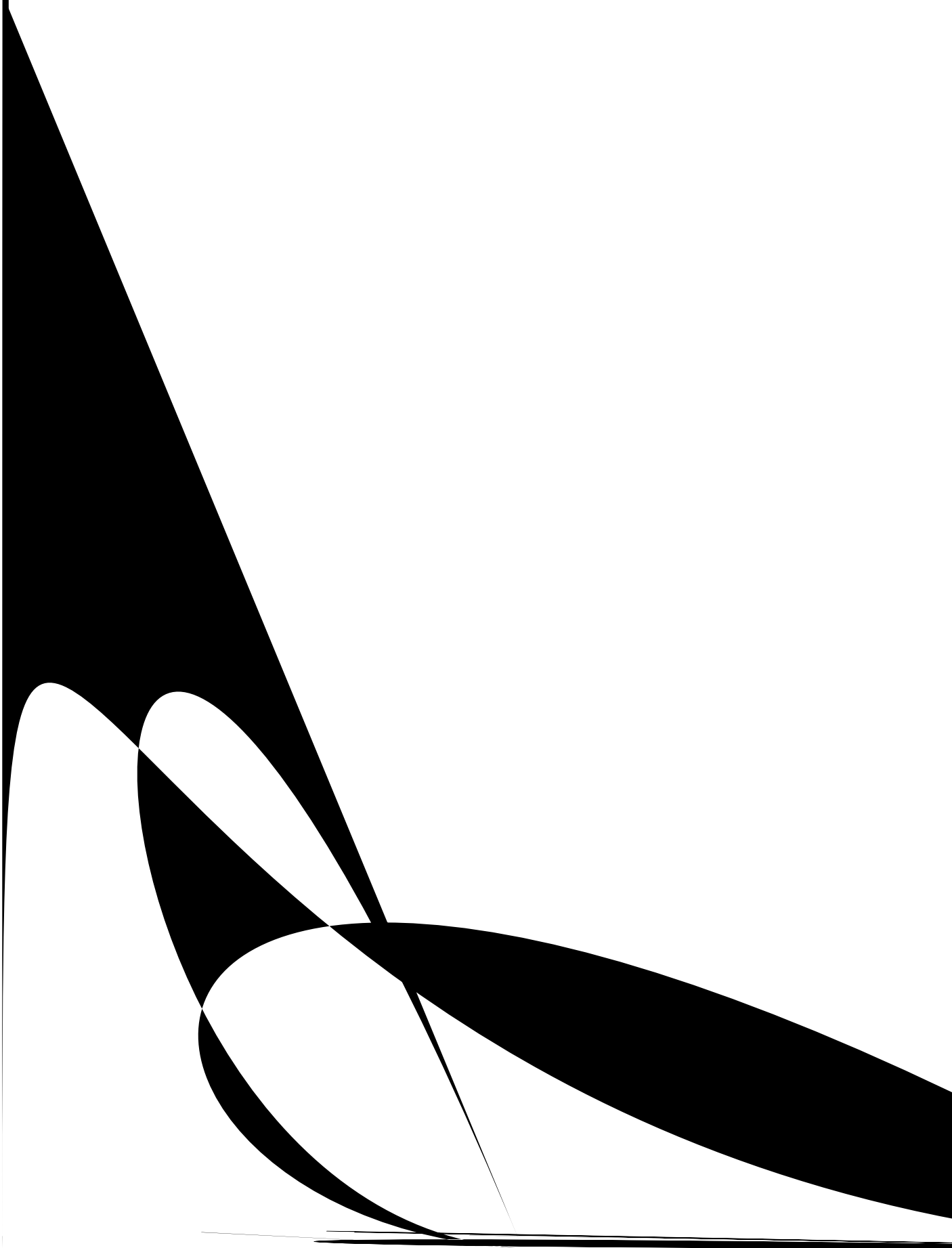
I BGK `[fci dg`d`U[]Uf]ga `]bhc`hY`Zc`ck]b[`WUHY[cf]Yg.

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

i bXYfgHUbX'mci f'f][\hg'UbX'fYgdcbg]V']hYg'Ug'U'gh XYbhUhl BGK



K YY_% . '&&'C WtcVYf! &, 'C WtcVYf	Hi hcf]U'	@c \fYmž HWdf]Ya
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F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

GYY`@Y[Ubhc`Zcf`Wca d`YH`k YY`!Vmk YY`_fYUX]b[``]ghUbX`fYgci fWg

F YWca a YbXYX`F Ygci fWg

GYY`@Y[Ubhc`Zcf`gca Y`fYWca a YbXYX`fYUX]b[g"

@]b_g`hc`j`cWVi`Ufmi`fYgci fWg`UfY`Uj`U]`UV`Y`j`]U`A`ccX`Y"

5b`cb`b]b`Y`Yggcb`cb`A`ccX`Y`XYU`g`k`]h`fYgYUfW`g`_]`g`b`]h`fUfmg`h`X]Yg`UbX`h`Y`A`@5`XUfUVUgY

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

Gh`XYb]g`]b`dfYj`]ci`g`m`Ufg`\Uj`Y`Wca`a`Yb`h`X`h`U`h`h`Y`W`e`i`fgY`a`c`j`Y`g`j`Y`f`m`e`i`]W`_`m`UbX`W`e`j`Y`f`g`U``c`h`c`Z`
a`U`h`f`]U`""`#`]g`X`]Z`]W`h`h`c`V`U`U`b`W`W`e`j`Y`f`U`[`Y`z`k`\`]W`_`]g`c`b`Y`c`Z`h`Y`U`]a`g`c`Z`h`]g`W`e`i`fgY`z`k`]h`X`Y`d`h`""`H`\]g`]g`
U`g`c`c`b`Y`c`Z`h`Y`a`d`]b`X`]Z`]Y`W`W`g`V`W`k`Y`Y`b`\`][`\`g`W`cc`"UbX`i`b`]j`Y`f`g`]h`m`9`b`[``]g`\`z`UbX`]h`f`Y`e`i`]f`Y`g`g`c`a`Y`
U`X`↑`g`h`a`Y`b`h`U`h`Z`f`g`h`m`Y`U`f`"H`\]g`]g`Y`a`Y`g`h`f`z`X`c`i`V`Y`h`h`c`f`]U`g`\Uj`Y`V`Y`Y`b`X`Y`j`c`h`X`h`c`i`k`c`h`i`h`g`z`h`c`U`ck`U`a`c`f`Y`
Y`I`h`Y`b`X`Y`X`W`U`g`g`X`]g`fg`c`f`g`c`a`Y`]h`g`\Uj`Y`U`g`c`V`Y`Y`b`h`W`e`j`h`g`c`Z`h`Y`_`]U`c`i`g`c`Z`c`f`U`]U`h`b`W`b`