



A Uf_Yh'HfYbX'UbX'8Ya UbX'GhYY'df]Wf]g' [c'i d'UbX Xck b'K]''5ZZUWh'h\Y'Df]Wf'cZ'7U'W]i a 'B]hf]XY

GhY''df]Wf]g'gcUfYX'UbX'd'i a a YhYX'jb'A Um'

5'h\ci [\ 'ghY''df]Wf]g'Zi Whi UhYX'jb' bYž'ghY''df]Wf]g'UfY'W ffYbh'm'Uh'U'fY'Uh]j Y'm\ [\ 'Yj Y''
 5ZhYf'gYj YfU'a cbh'g'cZ'Wcbgi a dh]cbž'a cgh'a Uf_Yh'bj Ybhcf]Yg'UfY'Uh'U'ck ''Yj Y'ž'k \]Wk]g'U
 dcg]h]j Y'ZUW'cf'Zcf'h\Y'ghY''a Uf_Yh''Gc'h\Y'ei Ygh]cb'jgž'WU'k Y'g]h'VUW'UbX'fY'U'k]h\''ck'ghc'W
 df]Wf]g3

7i ffYbh'a Uf_Yh'g]hi Uh]cb. 'h\Y'W ffYbh'a Uf_Yh'XYa UbX'g'ja]hYXž'UbX'h\Y'cj YfU''gU'Yg'ghUhi g'cZ
 h\Y'a YfW'Ubhg'g'bc[h' [ccXž'Vi h'h\Y'gcW]U'ghc'W'cZ'ghY''g'bc[h'dUgg]j Y'm'VUW'c' [[YXž'Vi h'g
 Wcb]h]bi ci g'm'VY]b ['Wcbgi a YX'' b] Ybhcfm'g' [fUXi U'm'VY]b ['X][YghYX'Zfca 'h\Y'VY []bb]b ['cZ'h\Y
 mYUf'hc'bck ž'gc'a YfW'Ubhg'bYX'bc'h'VY'hc'd'Ygg]a]gh]Wž'UbX'Xck bghfYUa 'X][Ygh]cb'WUdUV']h]Yg
 UfY'gh]''gi ddcfhYX''<ck Yj Yfž'h\YfY'UfY'a Ubm'i bW'fhu]b'ZUW'cf'g'jb'h\Y'a Uf_Yh'jb'h\Y''UhYf
 dYf]cX''K \]Y'h\Y'dfcZ'h'cZ'ghY''a]'g'\Ug'jb'WfYUgYX'g'Ufd'mž'UbX'h\Y'ci hdi h\Ug'bc'h'XYWfYUgYXž
 gi dd'm'UbX'XYa UbX'UfY'gh]''jb'U'ghU'Ya UhY''5'h\ci [\ 'h\Y'a Uf_Yh'bj Ybhcfm'\Ug'ZU''Yb'Wca dUfYX
 k]h\ 'h\Y'dUghž'h\Y'Xck bghfYUa '\Ug'U'gc'VY [i b'hc'ZYUf'\ [\ 'gYbh]a Ybhž'k \]Wk '\Ug'Zcfa YX'U
 g\cfh]f]gY'jb'h\Y''UhY'dYf]cX'cZ'h\g'i dgk]b ["H\Y'ZU''jb'Zi hi fYg'\Ug''YX'hc'U'Xck bhi fb'jb'h\Y
 a Uf_Yh'Uha cgd\YfY'' b'UXX]h]cbž'h\Y'XY'j Yfmc'Z'ghY''a]'g'g'gh]''j Yfmdccf''Cb'h\Y'cbY'\UbXž
 ghY''a]'g'\Uj Y'fYXi W'X'dfcXi Wh]cb'UbX'a U]bhYbUbW'Xi Y'hc'Ybj]fcba YbhU'dfchYWh]cb''Cb'h\Y
 ch\Yf'\UbXž'ghY''Wca dUb]Yg'a Um]bhYbX'hc'Wcbhfc''a Uf_Yh'Ui bW'Yg'hc'UWk]Yj Y'h\Y'di fdcgY'cZ
 gi ddcfh]b ['ghY''df]Wf]g'' fca 'h\g'dc]bhicZj]Yk ž'ghY''a]'g'UfY'H\Y'V [[Ygh'VYbY]W]Ufmc'Z'h\Y
 Ybh]fY''jb'ž'gc'hfUXYfg'UfY'j Yfm'W]i h]ci g'jb'cfXYf]b ["

Cb'h\Y'k \c'Y. 'h\Y'W ffYbh'ghY''a Uf_Yh'g'ghi W'jb''cb ['UbX'g\cfh'dc]h]cbgž'UbX'h\Y'f]gY'UbX'ZU''
 UfY'fYUgcbUVY'' b]g'fYWca 'a YbXYX'h\Uh'h\Y'VYgh'dfUWh]W'Zcfa YfW'Ubhg'g'hc'VY'j []Ubhž'bch
 V'jbX'm'W'UgY'\ [\ ž'UbX'Uddfcdf]UhY'm'j [\ hYb'i d'UbX'k U]h'UbX'gY'' b'h\Y'Zi hi fYž'a Uf_Yh
 fYgci fWf]g' [fUXi U'm]b'WfYUgYž'UbX'gi dd'm'UbX'XYa UbX'VY []b'hc'Wca dYhY''6m'h\Ybž'h\Y
 ZUj cfUV'Y'gi ddcfh'cZ'ck]bj Ybhcfm'k]''k YU_Ybž'UbX'h\Y'\ [\ 'dfcZ]hg'cZ'ghY''a]'g'a Um'Wcb]h]bi Y
 hc'gi ddYf'gg'h\Y'a Uf_Yh'ghfi Whi fY'' b]g'Yi dYWhYX'h\Uh'h\Y'g\cfh'hYfa 'ghY''a Uf_Yh'hi fVi 'YbW
 a Um'Wcb]h]bi Y"

5ZZYWhYX'Vm'GhY''df]Wf]g' [c'i d'UbX'Xck bž'h\Y'7U'W]i a 'B]hf]XY'a Uf_Yh'g'W'Ub []b ['fUd]X'm'H\YgY
 W'Ub [Yg'UfY']bX]W]hcf'g'cZa Uf_Yh' [fck h\ 'H\]g'mYUf!cb!mYUf'i dk UfX'hfYbX']b'h\Y'a Uf_Yh
]bX]W]hYg'h\Uh'h\Y'bYi h'bcj Ya VYf'&&\$!&&\$* 'k]''g\ck 'Ub'cj U'Vi h'ghYUXm [fck h\ "ž'mci 'UfY
 'cc_]b ['Zcf'7U'W]i a 'B]hf]XY'cf'Vi m'7U'W]i a 'B]hf]XY']b'Vi 'žd'YUgY'gYbX'Ub'Ya U]
 hc.'gU'Yg4 cnVc"Wca

H\Y'df]W'cZ'7U'W]i a 'B]hf]XY'Wcb]h]bi Yg'hc'VY'UZZYWhYX'Vm'ZUW'cf'g'gi W'Ug'a Uf_Yh' [fck h\
 a ca Ybhi a ž] Uf]ci g'cddcfh]b]h]Yg'UbX'W'U''Yb [Yg'<ck Yj YfžXi f]b ['h\Y'ZcfYWUgh'dYf]cX'Zfca
 &&\$&\$'hc'&&\$* žh\Y' ['cVU''7U'W]i a 'B]hf]XY'gU'Yg'a Uf_Yh'g'Yi dYWhYX'hc'Wcb]h]bi Y'hc'VY'UVcj Y
 Uj YfU [Y''H\Y' [fck h\ 'fUhy'k]''Wcb]h]bi Y'hc']b'WfYUgY'' b]g'Yi dYWhYX'h\Uh'Zfca 'hcXUm'hc'bYi h
 k YY_žh\Y'df]W'cZ'7U'W]i a 'B]hf]XY'k]'']b'WfYUgY'hc'U'W'fhu]b'Yi hYbh''



8 i Y`hc`W`Ub[Yg`]b`W`cbgi`a`Yf`XYa`UbXž]a`dcfh`UbX`YI`dcfh`W`cbX]h]cbgžUbX`j`Uf]ci`g`]bj`Ygh][`Uh]cbg`
cb`h`Y`XYj`Y`cda`Ybh`cZ`7U`W]i`a`B]hf]XYžh`Y`W`cgh`cZ`7U`W]i`a`B]hf]XY`]g`W`cbgh`Ub`h`m`
W`Ub[`]b[`"HU_]b[`]bhc`U`W`W`ci`bh`h`Y`W`ffY`bh`a`Uf`_`Y`h`a`U`W`fc`Y`W`cb`ca`]W`d`U`f`U`a`Y`h`Y`fg`ž`j`U`i`Y`W`U]b`
Ub`U`mg]gž`W`Ub`b`Y`d`U`f`h`b`Y`fg`ž`X`Y`a`Ub`X`Ub`X`gi`d`d`n`ž`h`Y`W`cgh`cZ`7U`W]i`a`B]hf]XY`k`]`U`gc`V`Y`U`Z`Y`W`h`Y`X`
hc`U`W`f`h`U]b`Y`I`h`Y`b`h`-`h`]g`Y`gh]a`U`h`Y`X`h`h`U`h`h`Y`W`cgh`cZ`7U`W]i`a`B]hf]XY`k`]`b`W`f`Y`U`g`Y`g`][`h`m`ž`f`ca`
hc`X`U`m`hc`b`Y`I`h`k`Y`Y`_`"

<ck`Y`j`Y`f`ž`C`n`Vc`"W`ca`d`f`c`j`]X`Y`g`\\][`\\`d`i`f]h`m`B`U`bc`7`U`W]i`a`B]hf]XY`k`]h`gh`Y`U`X`m`d`f]W`"-`b`c`f`X`Y`f`h`c`
Z`Y`X`V`U`W`_`h`c`c`X`W`g`h`ca`Y`f`g`ž`h`Y`W`ca`d`U`b`m`]g`gh`]`b`ž`c`d`Y`f`U`h]cbg`h`c`d`f`c`j`]X`Y`7`U`W]i`a`B]hf]XY`k`]h`
W`ca`d`Y`h]h`j`Y`d`f]W`g`U]X`C`]b`U`ž`g`U`Y`g`a`Ub`U[`Y`f`c`Z`C`n`Vc`"W`ca`"

5Vci`h`C`n`Vc`"W`ca`"

C`n`Vc`"W`ca`f`U`U`"H`U`b`_]B`Y`k`A`U`h`Y`f]U`g`7`c`"ž`h`X`"E`]g`U`h`f`i`g`h`Y`X`[`c`v`U`W`X`Y`a`]W`U`a`U`h`Y`f]U`g`i`d`d`]Y`f`/
a`U`b`i`Z`U`W`h`i`f`Y`f`k`]h`c`j`Y`f`%`&`m`Y`U`f`g`Y`I`d`Y`f]Y`b`W`_]b`d`f`c`j`]X]b[`i`g`i`d`Y`f`\\][`\\`l`e`i`U`]h`m`W`X`Y`a`]W`U`g`U`b`X`
B`U`b`ca`U`h`Y`f]U`g`"5`g`U`Y`U`X]b[`b`U`b`ch`Y`W`b`c`c`[`m`X`Y`j`Y`c`da`Y`bh`U`b`X`7`U`W]i`a`B]hf]XY`
a`U`b`i`Z`U`W`h`i`f`Y`f`ž`H`U`b`_]B`Y`k`A`U`h`Y`f]U`g`7`c`"ž`h`X`"X`ca`]b`U`h`Y`g`h`Y`a`U`f`_`Y`h`C`i`f`d`f`c`Z`Y`g`g]c`b`U`k`c`f`_`h`Y`U`a`
d`f`c`j`]X`Y`g`d`Y`f`Z`Y`W`h`g`c`i`h]c`b`g`h`c`\\`Y`d`]a`d`f`c`j`Y`h`h`Y`Y`Z`]W]Y`b`W`h`ic`Z`j`U`f]c`i`g`]b`X`i`g`h`f]Y`g`ž`W`f`Y`U`h`Y`j`U`i`Y`ž`U`b`X`
Y`U`g]m`W`c`d`Y`k`]h`j`U`f]c`i`g`W`U`Y`b[`Y`g`-`Z`m`c`i`U`f`Y`c`c`_]b[`ž`c`f`7`U`W]i`a`B]hf]XY`ž`d`Y`U`g`Y`g`Y`b`X`U`b`Y`a`U`]
h`c`g`U`Y`g`4`c`n`Vc`"W`ca`"