

±b '≯ bY '&\$&) ž'BYk 'NYU`UbX 'ZUWYg'gcUf]b['Vi hhYf'df]WYgždfcadh]b['Wcaaib]hm']b]h]Uh]j Yg'UbX ']bbcj Uh]j Y'gc`i h]cbgZcf'WcbgiaYfg"



5i W_`UbXžBYi gYY`UbX'!'5g'Wcbgi a Yfg']b'BYk'NYU`UbX
[fUdd`Y`k]h\'gcUf]b['Vi hhYf'df]WYgž'U'i b]ei Y'YbhfYdfYbYi f`\Ug
gi fZUWYX'hc'a YYh'h\Y'Wca a i b]hmg'WfUj]b[g'Zcf'UZZcfXUV`Y'XU]fm
dfcXi Whg"'?U`YV'<U`j Yfgcbž'Xi VVYX'h\Y' 7cghWc!7ck Vcm 'cf
6i hhYfVUbX]hž '\Ug'XYj Y`cdYX'U'WYj Yf'Vi g]bYgg'a cXY`'h\Uh
hU_Yg'\]a 'Zfca 'HUfUbU_]'hc'5i W_`UbXž'dfcj]X]b['`cWU`g'k]h\'`ck Yf!
Wcgh'Vi hhYf a i W\'bYYXYX'Ua]X']bWfYUg]b[']bZ'Uh]cb'UbX'gi dd`m
W\U``Yb[Yg''; fi ddYbghY``Yb'h\Uh'[i]XYg'h\Y]f'g\cdd]b['VY\Uj]cf
UfY'Yj]XYbh'Ug'g\cddYfg'gYY_'VUf[U]bg'UbX'`]a]hYX'ei Ubh]h]Yg'cZ
W\YUd'Vi hhYf'Uh'j Uf]ci g'ghcfYgž']bWi X]b['7cghWcž'k\YfY'di fW\UgY
`]a]hg'UfY'gYh'Uh'^ gh'' \$'V`cW_g'dYf'W' ghca Yfž'UWWcfX]b['hc'
U[fUf\Yi hY'Wca"

 $H\Y'fYWYbh'gi\ f[\ Y']b'Vi\ hhYf'df]W'g'\Ug'dfca\ dhYX']bj\ Ybh]j\ Y gc`i\ h]cbg'k\]h\]b'h\Y'Wca\ a\ i\ b]hm''Gca\ Y'YbhYfdf]g]b[\ ']bX]j\]Xi\ U`g \Uj\ Y'hi\ fbYX'hc'a\ U_]b[\ 'h\Y]f'ck\ b'Vi\ hhYfž'k\ \]`Y'U'`cWU`gW\cc`'\Ug \dUfhbYfYX'k\]h\'U'Vi\ hhYf'dfcXi\ WYf'hc'gY```dUW_Yhg'Uh'U'df]W''`ck\ Yf h\Ub'h\Uh'Zci\ bX']b'gi\ dYfa\ Uf_Yhgž'k\]h\'Ub']a\ dfYgg]j\ Y'gU`Yg'Z][i\ fY cZ'%-\ ž\$$'dUW_U[Yg'UbX'YZZcfhg'hc'fU]gY'Zi\ bXg'''9UW\'gU`Y \Wcbhf]Vi\ hYg'cbY'BN'Xc``Uf'VUW_'hc'h\\Y'gW\cc`\ž'ZcghYf]b['U'gYbgY cZ'Wca\ a\ i\ b]hm'gi\ ddcfh''$

F]g]b[Df]WYg5ZZYWh9jYfmcbY

<ck Yj Yfž']h g'bch'1 gh'Vi hhYf'df]WYg'h\Uh'UfY'g_mfcW_Yh]b["'H\Y
cj YfU``']bZ'Uh]cb']b'BYk'NYU`UbX'\Ug'[fYUh`m'UZZYWhYX'XU]`m`]j]b[
Wcghgž'Ug'fYj YU`YX'Vm'fYWYbh'UbU`mgYg"': c``ck]b['h\Y'7CJ =8!%dUbXYa]WZ'k\]W\'hf][[YfYX'gYj YfY'gi dd`m'W\U]b']ggi Ygž'df]WYg'Zcf
YggYbh]U``]hYa g'`]_Y'a]`_'\Uj Y'W]a VYX'Zfca '%", \$'BN8'hc'Ufci bX
&", \$'BN8'dYf'`]hYfž'k\]`Y'h\Y'df]WY'cZ'VYYZ'\Ug'1 a dYX'Zfca '%)
BN8'hc'&&'BN8'dYf'_]`c[fUa "'H\YgY']bWfYUgYg'\][\`][\h'U
VfcUXYf'hfYbX'UZZYWh]b['Vch\'`cWU`g'UbX'YI dUhf]UhYgž'dUfh]W'`Uf`m
Ua cb['BYk'NYU`UbX g'; Yfa Ub'Wca a i b]hmž'k\c'UfY'U`gc
cVgYfj]b['h\YgY'YWcbca]WW\Ub[Yg'WcgY`mž'Ug'bchYX'Vm'
bYi gYY`UbX!Yn]bY"XY"</pre>

Cb'h\Y'[fcWfmZfcbhžh\Y'Wcghg`\UjY'hU_Yb'a cfY'h\Ub'f gh'U ga U``'V]hY'ci h'cZ'ZUa]`m'Vi X[Yhg"'9ggYbh]U`'ghUd`Yg'UfY'ZUW]b[XUi bh]b['df]WY'\]_Ygž'Ub']a dUWh'cZ'gcUf]b['XYa UbX'ci hdUW]b[gi dd`m']b'h\Y'k U_Y'cZ'dUbXYa]WYfU'X]gfi dh]cbg"'9j Yb'Ug'BYk NYU`UbX'g\ck g'g][bg'cZ'bcfa U`]nUh]cbž'dfcXi Wh'Uj U]`UV]`]hm'\Ug Zi Whi UhYXž'a U_]b['g\cddYfg'k Ufm'UbX'Vi X[Yh!WcbgW]ci gž YgdYW]U``m'k]h\']bWfYUgYX'Wcghg'\]hh]b['`ck !]bWca Y'\ci gY\c`Xg h\Y'\UfXYgh"

5 7 cgYf @cc_ Uh 9ggYbh]U`; ccXg

BchUV`mž'ZccX'df]WYg']b'BYk'NYU`UbX'Wcbh]bi Y'hc'VY'gWfi h]b]nYX"
7ca dUf]b['[fcWYfm'V]``g'VYhk YYb'BYk'NYU`UbX'UbX'; Yfa Ubm
fYj YU`g'g][b]Z]WUbh'X]ZZYfYbWYg']b'WYfhU]b']hYa gž'k]h\'YggYbh]U`
[ccXg'`]_Y'VfYUX'UbX'WXYYgY'df]WYX'ZUj cfUV`m'Wca dUfYX'hc'h\Y]f

; Yfa Ub`Wci bhYfdUfhg"' ⇒hYfYgh]b[`mžk\]`Y`VfYUX`Wcghg`cb`m
UVci h'%"+'Yi fcg'fl%d '`ck Yf'h\Ub']b'; Yfa UbmŁž'YggYbh]U`'a YUh
dfcXi Whg'\Uj Y'gYYb']bWfYUgYg']b'Wcghgž'a U_]b[']h'U'ghfi [[`Y'hc
VU`UbWY'bi hf]h]cbU`'bYYXg'k]h\`f]g]b['YI dYbgYg"'5WWcfX]b['hc'
k Y`h!dfY]gY"XYž'\YfY g'\ck 'gca Y'Wca a cb'[fcWYfm'df]WYg'VfYU_
Xck b.

≢hY a	Df]WW 'fBN8Ł	7cbj YfhYX ⁻ Df]WW
		fPi fcŁ
A]`_'f%'`]hYfŁ	' "% ⁻ BN8	%"* '
K \]hY '6fYUX'f) \$\$[Ł	' "' ['] BN8	%" + ·
9[[gˈfl‰ˈd]Y W gŁ	%%"& ⁻ B N8) "-
7\YYgY`f%_[Ł	%("' BN8	+"* '

Gi WX 'WX Ub [Yg 'XYa Ub X 'j][]`Ub WY 'Zfca 'ZUa]`]Yg 'Ug 'h\ Ym'd`Ub 'h\ Y]f Z]b Ub WYg" 'K]h\ 'bc 'Yb X ']b 'g][\ h' Zc f 'f]g]b ['Wc ghg 'Xi Y 'hc ']b Z`Uh]c b Ufm d f Yggi f Yg 'Y I UWY f V Uh Y X 'V m' [`c V U ` 'gi d d `m' WX U]b 'Wc b ghf U]b hg ž 'B Y k N Y U `Ub X Y f g 'U f Y 'Z U W X 'k]h\ 'h\ Y 'WX U ``Yb []b ['h\ Ug_ 'c Z'_ Y Y d]b ['h\ Y]f \ ci g Y \ c` Xg 'k Y``! Z Y X 'k]h\ ci h' V f Y U_]b ['h\ Y 'V U b_ "

5g'h\Y' 6i hhYfVUbX]h '[fUVg'\YUX`]bYg'Zcf'\]g'WfYUh]j Y'UddfcUW\hc'a YYh'h\Y'bYYXg'cZ'`cWU`'Wcbgi a Yfgž']h'VYWca Yg'UddUfYbh'h\Uh Wca a i b]hm!Xf]j Yb'gc`i h]cbg'UbX']bbcj Uh]j Y'dfUWh]WYg'UfY YggYbh]U`']b'bUj][Uh]b['h\YgY'hi fVi `Ybh'YWcbca]Wk UhYfg"'K]h\f]g]b['df]WYgž'Yj Yfm``]hh`Y'gUj]b['Wci bhg']b'h\Y'ei Ygh'Zcf UZZcfXUV`Y'`]j]b['

8 Y hU]`g	
Cfh	5i W_`UbXž'BYi gYY`UbX
EiY``Yb	• k k k "U[fUf\Yi hY"Wca
	k k k "k Y`h!dfY]gY"XY
	• k k k "bYi gYY`UbX!Yn]bY"XY

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'a Y]b!k]Yb "bYh