

;]Y»Yb'(*Yfg'VYg]Y[Yb'; i UfX]Ubg'?cV`Ybn', -.*\$']b'XYf'&"6Ug_YhVU``!6i bXYg`][U'Dfc5"'5]XYb'K Ufb\c`hn'[`Àbnh'a]h'&&Di b_hYb"

5a '+": YVfi Uf'&\$&) 'ZY]YfhYb'X]Y';]Y» Yb'(*Yfg'Y]bYb
VYY]bXfi W_YbXYb'G]Y['[Y[Yb'X]Y'; i UfX]Ubg'?cV`Ybn']b'XYf'&"
6Ug_YhVU``!6i bXYg`][U'Dfc5"'A]h'Y]bYa '_`UfYb'9bXghUbX'j cb
, -.*\$'[Y`Ub['Yg'XYa'HYUaž'XYb'j]YfhYb'G]Y[']b':c`[Y
Y]bni ZU\fYb"', VYf') \$'a]h[YfY]ghY': Ubg'VY[`Y]hYhYb'X]Y
A UbbgWX UZh'i bX'gcf[hYb'ZØf'i bhYfghØhnYbXY'Gh]a a i b[']b'XYf
< U``Y"

 $8 \ Ug'Gd]Y``VY[\ Ubb'`YXcW\`b]W\ h'cdh]a\ U``ZØf'X]Y';\]Y\ YbYf''?cV`YbnghUfhYhY'ghUf_'i bX'gYhnhY'g]W\ gW\ bY```a]h'%&.%'UV''`8cW\`5]XYbK Ufb\c`hn'\U`Z'gY]bYa 'HYUa ž'XYb'F ØW_ghUbX'V]g'ni a '9bXY'XYgYfghYb'J]YfhY`g'ni 'j Yf_ØfnYb''`A]h'nk Y]'h]YZYb'8fY]di b_hk ØfZYbgW\ cV'Yf';]Y\ Yb'Ui Z'%+.%- '\YfUb''`Ni f'<U`VnY]h'ZØ\fhYb'X]Y;]Y\ Yb'(*Yfg'\ØVYffUgW\YbX'a]h'($.'* ž'bUW\XYa 'g]Y'g]W\ ']ank Y]hYb'J]YfhY``ghUV]`]g]Yfh'\UhhYb''$

8ca]bUbhY'nkY]hY'<U`VnY]h

8]Y'nk Y]hY'<U`VnY]h'[YghU`hYhY'g]WX'XUbb'ni 'Y]bYa 'GWXUi `Ui ZYb XYf';]Y»YbYf"'8 Ug'Xf]hhY'J]YfhY`'YbXYhY'a]h'Y]bYa ØVYfk À`h][YbXYb'&) .%\$'ZØf'X]Y';]Y»Yb'(*Yfg"'6YgcbXYfg Yfk À\bYbgk Yfh'k Uf'Y]bY'D\UgYž']b'XYf'?cV`Ybn'nk]gWXYb'XYf'&*"i bX'' \$"'A]bi hY'_Y]bYb'Y]bn][Yb'Di b_h'Yfn]Y`Yb'_cbbhY"'8 Ug _cbgYei YbhY'J YfhY]X][Yb'i bX'X]Y'\c\Y'9ZZ]n]Ybn']b'XYf'C ZZYbg]j Y ZØ\fhYb'`YhnhYbX`]WX'ni 'X]YgYa '_`UfYb'9f[YVb]g"

5]XYb'K Ufb\c`hn'k Uf'XYf'GhUf'XYg'5VYbXg"'±b'bi f'&' 'A]bi hYb Yfn]Y`hY'Yf'&&'Di b_hYž'gUa a Y`hY') 'FYVci bXg'i bX'[UV') '5gg]ghg" 8]YgY'@Y]ghi b['VYY]bXfi W_Yb'b]W\h'bi f'X]Y'Ni gW\Ui Yfž'gcbXYfb Ui W\'7cUW\'={ b'Uhcj]W\'XYf'a]h'XYf'9bhk]W_`i b['gY]bYg'HYUa g gY\f'ni Zf]YXYb']gh'';]Y»Yb'V`Y]Vh'a]h'X]YgYa 'G]Y['Ui Z'XYa j]YfhYb'D`Uhn'i bX'\À`h'5bgW\`i gg'Ub'X]Y'HUVY``Ybgd]hnY"'8Ug bÀW\ghY'Gd]Y``Z]bXYh'Ua 'GcbbhU['[Y[Yb'X]Y'5fh`UbX'8fU[cbg ghUhh'

?cV`YbnYf`<YfUi gZcfXYfi b[Yb

 $: \emptyset f'X]Y'; i UfX]Ubg'?cV`Ybn`k Uf'X]Yg'Y]bY'V]hhYfY'B]YXYf`U[Yž'X]Yg]Y'Ui Z'XYb'%* "'D`Uhn`XYf'HUVY``Y'ni f\@W_k]fZh''8Yf'JYfY]b'_\Aa dZh i a 'XUg', \VYf`YVYb']b'XYf'@][U''8i f\W'X]Y'5Vk YgYb\Y]h'j cb'; i UfX 6fUbXcb'5j YfYhhYž'XYf'Ui Z[fi bX'Y]bYf'A U[Yb!8Ufa !\DZY_h]cb b]\Wh'gd]Y`Yb'_cbbhYž'k Uf'?cV`Ybn'ghUf_'[Yg\Wk\\A\W\h''Hfchn'Y]bYf [i hYb'5b\Z\Ub[gd\\UgY'_cbbhYb'g]Y'XYb'8fi \W_'XYf';]Y\\YbYf'b]\Wh ghUbX\\U`hYb''$

: c`[`]WX`V`Y]Vh`UVni k UfhYbž`k]Y`g]WX`X]Y`;]Y» Yb`(*Yfg`]b`XYf
_ca a YbXYb` 9b[`]gWXYb`K cWXY `gWX`U[Yb`k YfXYb"'→f': c_i g
`]Y[h'bi b`Ui Z'XYf`6Y[Y[bi b[`[Y[Yb`X]Y`5fh`UbX`8fU[cbg"'8Yf
J YfY]b`nY][h'g]WX`k Y]hYf\]b`Ua V]h]cb]Yfhi bX`YbhgWX`cggYbž`gY]bY
[i hY': cfa `ni `VYk U\fYb"'8]Y`;]Y» YbYf`6Ug_YhVU``ZUbg`_ÒbbYb
Ui Z'Ui ZfY[YbXY`Gd]Y`Y`\cZZYb"

K Y]hYfY' ⇒ Zcfa Uh]cbYb'ni f'U_hi Y``Yb'@Y]ghi b['XYf';]Y» Yb'(*Yfgi bX'GhUh]gh]_Yb'ni f'GU]gcb'g]bX'j YfZØ[VUf'Ui Z'VUg_YhVU``"XY"

8]YgYf`G]Y[`_ObbhY`ZØf`;]Y»Yb`YbhgWXY]XYbX`gY]bži a `XYbkY]hYfYb`KY[`]b`XYf`@][U`ni `YVbYb`i bX`g]WX`a O[`]WXYfkY]gY`ZØfX]Y`D`UmcZZg`ni `ei U`]Z]n]YfYb";]Y»Yb`(*Yfg`\UVYb`X]Y
5a V]h]cbYbž`]\fYb`[i hYb`@Ui Z`Zcfhni gYhnYbž`k À\fYbX`?cV`Ybng]WX`YfbYi h'bYi `Ui ZghY``Yb`a i gg"

8]Y 'gdUbbYbXY 'GU]gcb']b'XYf'&"'6Ug_YhVU``!6i bXYg`][U'Dfc5 V`Y]Vh'gca]h'k Y]hYf\]b']b'6Yk Y[i b['i bX'j Yfgdf]W\h'gdUbbYbXY Gd]Y`Y'ZØf'U``Y'6Ug_YhVU``Ybh\i g]UghYb"

8 Y hU]`g	
EiY``Yb	k k k "[]YggYbYf!U``[Ya Y]bY"XY
	k k k "[]YggYbYf!UbnY][Yf"XY

6Ygi WXYb G]Y i bg Ui Z b!U["XY