7YbhfU``: `cf]XU'Ncc'7Y`YVfUhYg') \$'MYUfg cZ'5b]a U``9bWcibhYfg°

8]gWcjYfGYa]bcY7cibhm⁄, \$'-/g7YbhfU``:`cf]XUNccž WYYVfUh]b[`]hg`)\$h\`Ubb]jYfgUfm`k]h\`ZUa]`m!Zf]YbX`m`YjYbhg UbX`WcbgYfjUh]cb`YZZcfhg"



' +)) K "GYa]bc`Y`6`j XžGUbZcfXž: `cf]XUžI G5`!`H\Y`7YbhfU` : `cf]XU`Ncc`UbX`6chUb]WU``; UfXYbgž`cWUhYX`]b`VYUi h]Z ``GUbZcfXž]g`bck`WY`YVfUh]b[`U`dfci X`a]`YghcbY`Ug`]h`a Uf_g`]hg`) \$h\ Ubb]j YfgUfm"`H\Y`ZYgh]j]h]Yg`fi b`Zfca `\$`m`(!*ž`]bj]h]b[`h\Y Wca a i b]hm`UbX`j]g]hcfg`hc`?c]b`]b`h\Y`WY`YVfUh]cbg`k]h\ X]gWci bhYX`UXa]gg]cb`df]WYg.`1 gh``%-"+) `Zcf`UXi `hg`UbX`gYb]cfgž k \]`Y`WX]`XfYb`WUb`[Yh`]b`Zcf``%*"+) "`=h g`U`ZUbhUgh]Wcddcfhi b]hm Zcf`U`Zi b`XUm`ci h`UbX`U`WXUbWY`hc`fYZYWh`cb`h\Y`ncc g`ghcf]YX \]ghcfm"

H\Y`fcchg`cZ`h\]g`j]VfUbh`]bgh]hi h]cb`ghfYhW\`VUW_`hc`%-&'`k\Yb`U hfUjY`]b[`W]fW'g`[]ZhYX`U`f\Ygig`acb_Ym`hc`h\Y`9`_g`7`iV`]b GUbZcfX"`H\]g``]hh`Y`df]aUhY`YjYbhiU``m`ZcibX`]hg`\caY`Uh`h\Y GUbZcfX::]fY\cigYžk\YfY']h'kUg'UWWcadUb]YX'Vm'ch\Yf'Ub]aU`gž WfYUh]b['U``]jY`m'kYY_YbX'UhhfUWh]cb"'6m'h\Y'YUf`m'%-(\$gž'h\Y'ncc \UX'cZZ]W]U``m'acjYX'hc'U'acfY'dYfaUbYbh`cWUh]cb'bYUf'GUbZcfX 7]hm'<U``ž'Vih'Z]bUbW]U``W\U``Yb[Yg']b'h\Y'%-*\$g``YX'hc'h\Y'W]hm k]h\XfUk]b['giddcfh"'7cbWYfbYX'W]h]nYbg'fU``]YX'hc[Yh\Yfž Zcfa]b['h\Y'7YbhfU`':`cf]XU'Ncc`c[]WU``GcW]Yhm'hc'YbgifY'h\Y'ncc Wci`X'Wcbh]biY'cdYfUh]b['"

5ʻ∞ifbYmH\fci[\'H]aY

C b ' i 'm'(ž'%- +) ž'h\Y'ncc 'cdYbYX']b']hg'W' ffYbh'`cWUh]cb'cb'%\$* UWfYg`YUgYX'Zfca 'GYa]bc`Y'7ci bhmž'k Y`Wca]b['%\$ž\$\$\$'j]g]hcfg cb']hg'j Yfm'Z]fgh'XUm''5g'fYdcfhYX'Vm'MU\cc'BYk gž'h\Y'ncc g]bUi [i fU``X]fYWhcfž'JVV_'<UbbUž``UhYf'[U]bYX'ZJa Y'Zcf'\]g hY`Yj]g]cb'UddYUfUbW'g'UbX'gdUf_YX'U``]ZY`cb['`cj Y'cZ WcbgYfj Uh]cb']b'Wci bh`Ygg'j]Yk Yfg"'Bck ž'h\Y'ncc'dfci X`m'WUfYg Zcf'cj Yf'') \$'Ub]a U`g'fYdfYgYbh]b['a cfY'h\Ub'%\$\$'gdYW]Ygž]bWi X]b['Ub'UffUm'cZ'Ua d\]V]Ubgž'V]fXgž'a Ua a U`gž'fYdh]`Ygž'UbX

J]g]hcfg`WUb`Yb^cm`Yb[U[]b[`YbWcibhYfg`k]h\`Ub]aU`gž`ZYYX]b[[]fUZZYgž`cf`hU_]b[`U`WXYYfZi``f]XY`cb`h\Y`a]b]UhifY`hfU]b"`H\Y`ncc \Ug`YaVfUWYX`]hg`fc`Y`]b`k]`X`]ZY`WcbgYfjUh]cbž`Wc``UVcfUh]b[`k]h\ h\Y`Cf]UbbY`7YbhYf`Zcf`&X][c`7cbgYfjUh]cb`]b`9igh]g`hc`\Y`d VfYYX`YbXUb[YfYX`9UghYfb`]bX][c`gbU_Yg`Zcf`dcdi`Uh]cb fYghcfUh]cb"`&`U`j]VfUbh`X]gd`UmcZ`Wcaaib]hm`giddcfhž`acfY h\Ub`%, ž\$\$\$`jc`ibhYYf`\cifg`kYfY`Wcbhf]VihYX``Ugh`mYUfž g\ckWUg]b[`^igh`\ck`XYYd`m`h\Y``cWU``dcdi`UWY`WUfYg`UVcih`h\]g qdYW]U``d`UWY"

H\Y'9jc`ih]cb`cZNccg

H\Y'7YbhfU``:`cf]XU'Ncc']g'dUfh'cZ'U``Uf[Yf'hfYbX'k cf`Xk]XY'Ug nccg'Yj c`jY'hc'ZcW'g'cb'YXi WUh]cbž'WcbgYfj Uh]cbž'UbX'fYgYUfW\" 5g'**9Wc WUh]cb**'YI d`U]bgž'h\Y'Z]fgh'a cXYfb'nccg'Ya Yf[YX']b'h\Y %- h\'WYbhi fmž'hfUbg]h]cb]b['Zfca 'UbW]Ybh'X]gd`Umg'cZ'k YU`h\'hc WYbhYfg'XYj chYX'hc'k]`X`]ZY'k Y`ZUfY'''<]ghcf]WU``mž'nccg'k YfY'cZhYb hfYUgi fYX'd`UWYg'Zcf'di V`]WYbhYfhU]ba Ybhž'Vi h'h\Y'a cXYfb

8 Y hU]`g	
Cfh	'+)) K "GYa]bc`Y`6`j XžGUbZcfXž:`cf]XUž
	I G5
EiY``Yb	● bYkg"mU\cc"Wca
	• Yb"a "k]_]dYX]U"cf[
	 YWcWUh]cb"cf[

5g[·]h\Y[·]7YbhfU^{··}: `cf]XU[·]Ncc[·]UddfcUWXYg[·]h\Y[·]bYI h[·]) \$ [·]mYUfqž[·]]hg YI Wihib ['hc'qYY'\ck 'h\Y'Wca a i b]hmg']bj c`j Ya Ybh'k]``Zi fh\Yf Yb\UbWY`WcbqYfjUh]cb`YZZcfhq`UbX`h\Y`cjYfU```YIdYf]YbWY`Zcf`Vch\ Ub]a U`g`UbX`[iYghg"'K]h\`U`f]W\`\]ghcfm'UbX`U`ghfcb['ZcW'g`cb h\Y'Zi hi fYž'h\YfY g'WYfhU]b`m'gca Yh\]b['hc'VY'gU]X'Zcf'h\Y'dfca]gY

fYhifb]b['ZcfacfYžmYUfUZhYfmYUf"

 $K \setminus Yh Yf UhhYbX]b[gdYW]U^Yj Ybhg^]_Y^UghgYUgcb g^5g]Ub$ @UbhYfb': Ygh]j U`ž'k \]WX XfYk '%&\$ž\$\$\$'[i Yghqž'cf'hU_]b['dUfh']b Ubbi U`Yj Ybhq`qi W. Uq`NCC 6cc 6Uq\ UbX 6fYk q 5fci bX h\Y Nccž'h\Y'Wca a i b]hm'Wcbh]bi Yg'hc'gi ddcfh'h\Y'ncc g'a]gg]cb"'H\Y bchUV`Y`a Ua a U`qž`]bWi X]b['V`UW_!\UbXYX`qd]XYf`a cb_Ymqž Wci XYX ``YcdUfXgžUbX '=bX]Ub 'f\]bcgžU`cb[g]XY 'j]VfUbh'V]fX qdYWJYq``] Y`VU`X`YU[`Yq`UbX`[fYYb!k]b[YX`a UWUk qž' YYd`[i Yqhq

]b'U'a YUb]b[Zi``k Um"

5WWfYX]hYX`Vm`h\Y`5qqcWJUh]cb`cZ`Nccq`UbX`5ei Uf]i a q`f5N5Ł g]bWY'%-, *ž'h\Y'7YbhfU`': `cf]XU'Ncc'UbX'6chUb]WU`'; UfXYbg`\Ug Ya VfUWYX'h\]g'Yh\cg"'A cfYcj Yfž'h\Y]f']b]h]Uh]j Yg'UfY ZcW gYX'bch cb`m`cb`Ub]a U``k Y`ZUfY`Vi h`U`gc`cb`YXi WUh]b[`[i Yghg`UVci h`h\Y]a dcfhUbWY`cZ`dfYqYfjUh]cb`UbX`qdYW]Yq`qi fj]j U``d`Ubq"`K \]`Y`h\Y cf][]bU`difdcqYcZnccg\Ugq\]ZhYXžh\Y]ffY`YjUbWYfYaU]bg ghYUXZUghždfcj]X]b['U'd`UhZcfa'Zcf'dYcd`Y'hc'Yb[U[Y'k]h\'k]`X`]ZY

bUffUh]i Y'Ya d\Ug]nYg'WcbgYfj Uh]cb'YZZcfhg'UbX'h\Y'j]hU`'fc`Y'nccg $d^Um^{\dagger}b^{\dagger}dfchYWhb[^{\dagger}V]cX]jYfg]hm^{\dagger}$

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