

@Yfcm'GUbÅ'gYh'hc'^c]b'; U`UhUgUfUm'Zfca '6UmYfb'Aib]W\UZhYf'7`iV'K cf`X'7idž'ghUfh]b['\(\frac{1}{2}\) `m'%ž'&\$&) ž'Ua]X'hfUbgZYf\\\Y!W]hYaYbh"

 $= ghUbVi `ž'Hi f_Ym'! 9I W]h]b[`bYk g`]g`gh]ff]b[`]b`h\Y`k cf`X`cZ ZcchVU```Ug`@Yfcm'GUbÅž'h\Y`hU`YbhYX`6UmYfb`A i b]WX`k]b[Yfž dfYdUfYg`hc`Xcb`h\Y`Wc`cfg`cZ'; U`UhUgUfUm'=ghUbVi `"`5g`fYdcfhYX Vm'hn"XYž'GUbÅ`k Ug`gdchhYX`Uff]j]b[`]b`=ghUbVi ``k]h\`U`hYUa `gWUfZ Ufci bX`\]g`bYW_ž'U`WYUf`]bX]WUh]cb`cZ'\]g`]a a]bYbh'hfUbg]h]cb" H\]g`\][\!dfcZ]`Y`g][b]b[`Wca Yg`Ua]Xgh`\]g`cb[c]b[`Wca a]ha Ybhg k]h\`6UmYfbž'k \YfY`\Y`k]``Wcbh]bi Y`hc`d`Um`i bh]``$\forall bY`\$ž'&$&) ž dUfh]W]dUh]b[`]b`h\Y`: \= 5`7`i V`K cf`X`7i dž'U`hci fbUa Ybh`k \]WX Wci `X`dchYbh]U``m`W' h`g\cfh`\]g`h]a Y`k]h\`6UmYfb`XYdYbX]b[`cb h\Y]f`dfc[fYgg]cb"$

6UmYfb g'Gdcfhg'8]fYWhcf'A UI '9VYf``\Ug'WcbZ]fa YX'h\Uh'GUbÅ'k]``Z_`Z]```\]g'Xi h]Yg']b'h\Y'7`i V'K cf`X'7i d'VYZcfY'cZZ]W]U``m'a cj]b['hc; U`UhUgUfUm''G\ci `X'6UmYfb'UXj UbWY'hc'h\Y'ei UfhYf!Z]bU`gžh\YfY g'U'W\UbWY'h\Uh'GUbÅ'a][\h'a]gg'`UhYf'a UhW\Ygž'WcbZ]Wh]b[X]fYWh`m'k]h\'\]g'XYVi h'Uh'\]g'bYk 'Wi V'd`UbbYX'Zcf'\$\inymex'\\$\\$\\"

5 A i `h]! A] ``] c b '8 c `` Uf '7 c b hf U Wh

#D'U'XYU``h\Uh'\][\`][\hg'h\Y'U[[fYgg]jY'V]XX]b['bUhi fY'cZ
a cXYfb'ZcchVU``ž'GUbÅ'\Ug'g][bYX'U'h\fYY!mYUf'WcbhfUWh'k]h\
; U`UhUgUfUmž'Ug'ci h`]bYX'Vm'Hi f_Ym'HcXUm''K]h\'U'[i UfUbhYYX
gU`Ufm'cZ'`%\$") a]``]cb'dYf'gYUgcbž'U`cb['k]h\'U'`'") a]``]cb
`cmU`hm'Vcbi g'YUW\'mYUfž'h\Y'hchU``Wcgh'cZ'h\]g'hfUbgZYf'k]```\cjYf
VY`ck'h\Y'`%) a]``]cb'a Uf_'Ubbi U``m'''H\]g'Wca Yg'UZhYf'U'ghUhi g

 $k \ YfY \ 5fgYbU``UbX`ch\Yf`Wi \ Vg`g\ck YX`]bhYfYgh`Vi \ h`ZU]`YX`hc a \ YYh`\]g`Z]bUbW]U``YI dYWhUh]cbg''$

H\]grghfUhY[]WXYW]g]cbrhcracjYrhcr; U`UhUgUfUmrgdYU_grjc`iaYgUVcihrh\Yr]bZiYbWYrUbXrU``ifYrcZrd`UmYfgrU`fYUXmrk]h\]brh\YgeiUX""JYhYfUbrZcfkUfXrAUifcr\\UfXrZufkUfX]žrU`cb[g]XYrHif_]g\!; YfaUbd`UmYfgž'\Ugrd`UmYXrUrd]jchU``fc`Yr]brkY`Wca]b[rGUbÅrUbXYbWcifU[]b[r\]grWxc]WYrhcr^c]brh\YrHif_]g\rGØdYfr@][rWxUad]cbg"

5; `cf]ci g'7UfYYf'5\YUX

GUbÅž'Vcfb'cb'*Jbi Ufm'%ž'%--*ž']b'9ggYbž'\Ug'\UX'Ub']`i ghf]ci g WUfYYf'gc'ZUfž']bWi X]b['U'bchUV`Y'`) \$ a]``]cb'hfUbgZYf'hc A UbW\YghYf'7]hm'VUW_']b'&\$%*'UbX'U'gi VgYei Ybh') * a]``]cb a cj Y'hc'6UmYfb'A i b]W\']b'&\$&\$"'<]g'hYbi fY'Uh'6UmYfb']bWi XYg &&\$'UddYUfUbWYgž'k\YfY'\Y'bYhhYX'*%'[cU`g'UbX'Ugg]ghYX')) ch\Yfgž'Ug'\][\`][\hYX'Vm'MU\cc'Gdcfhg": cf'h\Y'; Yfa Ub bUh]cbU`'hYUa ž'\Y'\Ug'U`gc'a UXY'\]g'a Uf_ž'gWcf]b['%('[cU`g']b+\$'a UhW\Yg"

 $5g'h Y'Xi gh'g Yhh Yg'cb'h]g'XYU `ž'cbY'k cbXYfg.'k]```@Yfcm'GUbÅ'VYh Y'_Ym'd`UmYf'h Uh' Y`dg'; U`UhUgUfUm'f YWU]a '[`cfm']b'9i fcd YUbZcch VU``3'H Y'ghU[Y']g'g Yh'bck']h g'h]a Y'hc'k UhW '\ck'h Y'XfUa UibZc`Xg"$

8 Y hU]`g	
Cfh	∍ghUbVi `ž'Hi f_Ym
Ei Y``Yb	• k k k "hn"XY

8 YhU]`g	
	k k k "hi f_]mYhcXUm"Wca
	• gdcfhg"mU∖cc"Wca

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