

8]gWcj Yf'\ck 'A Uhh\Yk 'H_UW\i _ 'hfUbgZcfa YX'h\Y': `cf]XU DUbh\Yfg']bhc 'B < @'WcbhYbXYfg'g]b\W'\]g'&\&\Uff]j U`ž YbYf[]n]b['h\Y'hYUa 'UbX'`YUX]b['h\Ya 'hc'gi \W\Ygg''



 $7fYj Y \cdot 7cYi fž A] ggci f] ž I G5 !! = b \cdot h Y \cdot Z Ugh! d UW X \cdot k cf X \cdot cZ \cdot h Y \\ B < @ z \cdot cbY \cdot b Ua Y \cdot Ug \cdot WUdh] j Uh Y X \cdot h Y \cdot f] b _ Ub X \cdot f U ``] Y X \cdot Z Ub g \cdot UW f c g g \\ : `cf] X U \cdot A Uhh \ Y k \cdot H _ UW \ i _ "' <] g \cdot h f Ub g Z c f a Uh] j Y \cdot] a d UW h \cdot cb \cdot h \ Y \\ : `cf] X U \cdot D Ub h \ Y f g \ Ug \cdot a UX Y \ Y UX \] b Y g ž \cdot Ub X \cdot Ug \cdot Z Ub g \cdot W X Y Y f \cdot cb \cdot h \ Y) f h Y Ua ž \cdot] h g \cdot \ Uf X \cdot b ch \cdot h c \cdot U W _ b c k \ Y X [Y \cdot h \ Y \cdot k U j Y g \cdot \] g \cdot Uf f] j U \cdot ` \ Ug W f Y Uh Y X " K \ Y b \cdot H _ UW \ i _ 'gh Y d d Y X \cdot cb h c \cdot h \ Y \cdot] W ž \ Y \cdot X] X b h ' \ gh ' \ c] b U \cdot h Y Ua / \ Y \cdot g d Uf _ Y X \cdot U \cdot a cj Y a Y b h " D] c b Y Y f] b ['Ub \ Y f U \cdot c Z \cdot] b h Y b g] h m Ub X \cdot gh f Uh Y [] W d f c k Y g g z \cdot H _ UW \ i _ g \cdot] b Z i Y b W \ \ Ug \cdot d \ Um Y X \cdot U \cdot _ Y m \cdot f c \ Y \] b \ h \ Y \cdot D Ub h \ Y f g \ f Y W b h \cdot g i W W g g \cdot cb \ h \ Y \cdot Z f c n Y b \ V Uh h \ Y Z J Y \ X \cdot c Z \cdot h \ Y \ B < @ '' 5 g \cdot A c h c f W h W Y \cdot G d c f h g \cdot f Y d c f h g z \ Y \ Ug \cdot g \ ck b \cdot Ub \cdot i b W U b b m UV] `] h m h c \ Ub h | W d \ Um Y \ d \ Um g \ Ub X \ W \ U \ `Y b [Y \cdot c d d c b Y b h z \ W Y Uh] b [`U$

6i h']h g'bch'' gh'UVci h'ghUhg/'H_UW\i _ g'hfi Y''YUXYfg\]d g\]bYg
h\fci [\']b'\]g'UWh]cbg h\Y'k Um'\Y']bgd]fYg'\]g'hYUa a UhYg'UbX
[U'j Ub]nYg'h\Y]f'gd]f]hg'''<Y'Ya VcX]Yg'U'W' hi fY'cZi b]hm'UbX
fYg]']YbW'ž'ZcghYf]b['U'fY'Ybh'Ygg'Xf]j Y'Ua cb['h\Y'DUbh\Yfgž'k\ck YfY'dfYj]ci g'm'Wcbg]XYfYX'i bXYfXc[g"'H\Y'hYUa '\Ug'bck
YI dYf]YbW'X'U'fYgi f[YbW'ž'UbX'h\YfY g'gca Yh\]b['hc'VY'gU]X'Zcf
h\Y'YbYf[m'H_UW\i _'Vf]b[g'hc'h\Y']W'''\dot\XYYXž'\]g'XYX]WUh]cb'UbX
Wca a]ha Ybh'`Um'U'dfca]g]b['Zci bXUh]cb'Zcf'`cb[!hYfa 'gi WWYgg"
H\Y'DUbh\Yfg 'dfcgdYWhg'\Uj Y'bYj Yf'`cc_YX'Vf][\hYf'k]h\
H_UW\i _'ghYYf]b['h\Y'g\]d"

: $fca h Y F b_g c Z 5 f c b U h c h Y B < @ GhU[Y]$

5ZhYf'U'gi WWYggZi `'gh]bh'k]h\ 'h\ Y'I G5' < c W_Ym'B Uh]cbU``HYUa 8 Yj Y`cda Ybh'Dfc[fUa ž'H_UW\i _'k Ug'XfUZhYX'Vm'h\ Y'@cbXcb?b][\hgž'k\YfY'\Y'hfi `m'a UXY'U'bUa Y'Zcf'\]a gY`Zž'gWcf]b['%\$+dc]bhg'UbX'k]bb]b['h\ Y'A Ya cf]U``7i d"' <]g'dUh\ '`YX'hc'\]g gY`YWh]cb'Vm'h\ Y'7U`[Ufm: `Ua Yg'Ug'h\ Y'g]I h\ 'cj YfU``'d]W_']b'h\ Y &\$%* 'B < @'8 fUZhž'k\YfY'\Y'ei]W_`m'YghUV`]g\ YX'\]a gY`Zž'VYWca]b[h\ Y'gYWcbX'mci b[Ygh'd`UmYf']b': `Ua Yg'\]ghcfm'hc'fYUW\ '%\$\$ [Ua Yg"' < Y'fUW_YX'i d'g][b]Z]WUbh'UW\c`UXYgž']bWi X]b['VY]b[bUa YX'A J D'cZ'h\ Y'&\$&' 'B < @'5``!GhUf'; Ua Y"

5.6f][\ h': i hi fY k]h\ 'h\ Y DUbh\ Yfg

H\Y'hi fb]b['dc]bh'WUa Y'cb'\rightarrow \makenizes \&&&\z'k\Yb'H_UW\i _'k Ug
hfUXYX'hc'h\Y': `cf]XU'DUbh\Yfg']b'U'a U'cf'a cj Y'h\Uh'ZcfYj Yf
U'hYfYX'h\Y'Wci fgY'cZ'h\Y'ZfUbW\]gY'''<Y'g][bYX'Ub']a dfYgg]j Y
Y][\h!mYUf'WcbhfUWh'k cfh\'\'+*'a]``]cbz'U'hYghUa Ybh'hc'h\Y
DUbh\Yfg'VY`]YZ']b'\]g'WUdUV]`]h]Yg'''<]g']a dUWh'k Ug']a a YX]UhY/'\Y
Z]b]g\YX'\]g'Z]fgh'gYUgcb'k]h\'h\Y'hYUa 'VcUgh]b['%\$-'dc]bhg'UbX\Y'd]b['hc'[i]XY'h\Y'DUbh\Yfg'hc'h\Y]f'Z]fgh'GhUb`Ym'7i d'j]Whcfm']b
&\$&("'H\]g'a cbi a YbhU``k]b'\Ug'gc`]X]Z]YX'\]g'fYdi hUh]cb''\ gh'Ug
h\Y'K]_]dYX]U'Ybhfm'\][\`][\hg'\]g'bi a Yfci g'UW\]Yj Ya Ybhg'UbX
Wcbhf]Vi h]cbg'hc'h\Y'[Ua Y''

 $\label{eq:continuous} 5g.h.\ Y.\ DUbh.\ Yfg.\ Wcbh]bi\ Y.\ hc.\ gc\ Ufž.\ H_UW.\ i \ g.\ bUffUh]j\ Y.\]``i\ ghfUhYgh.\ Y.\ hfUbgZcfa\ Uh]j\ Y.\ dck\ Yf.\ cb\ Y.\ d`UmYf.\ WUb.\ Uj\ Y.\]b.\ dfc\ ZYgg]cb\ U`\ gd\ cfhg"'< Y.\ Wca\ V]bYg.\ g.\ YYf.\ hU.\ Ybh.\ k \]h.\ Ub.\ i \ bXYb]UV.\ YWca\ a \]ha\ Ybh.\ hc.\ \]g.\ hY Ua\ ž.\]bgd]f]b[\ Yj\ YfmcbY.\ Ufci\ bX.\]a "'<]g \ ci\ fb\ Ym.\ Zfca\ h.\ Y.\ f]b_g.\]b.\ 5f]ncb\ U.\ hc.\ VYWca\]b[\ Ub.\ U.\ hYfb\ UhYg.\ h.\ Y.\ YUfh.\ Ub\ X.\ gci\ ``cZ\ \ cW_Ym": cf.\ H_UW.\ i _.Ub\ X.\]g.\ hY Ua\ a \ UhYgž.\ h.\ Y.\ W.\ Jg.\ bch.\ fg.\ Uh.\ Uh\ d`Um]b[\ Z]Y.\ X/\]h\ g.\ UghU[\ Y.\ k.\ YfY.\ W.\ Ua\ d]cbg.\ f]gYž.\ dfcj\]b[\ h.\ Uh\ k.\]h.\ XYhYfa\]b.\ Uh]cbž.\ i \ b]hmž.\ Ub\ X.\ U.\]hh.\ Y.\ ZU]fž.\ [\ fYUhbYgg.\]g.\ U.\ k.\ Umg k.\]h.\]b.\ fYUW.\ "$

8 YhU]`g	
Cfh	7fYj Y 7cYi fž'A]ggci f]ž'I G5
EiY``Yb	a chcfWhWYgdcfhg"bYh
	Yb"a "k]_]dYX]U"cf[
	Yb"k]_]dYX]U"cf[

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