:]j Y 7YbhfU`: `cf]XU 8fi ['7cbgd]fUhcfg : UWY 8YWUXYg 6Y\]bX 6Ufg

 $:]j Y f Y g] X Y b hg c Z C g W c `U 7 c i b hm Z U W ``Y b [h \ m d f] g c b g Y b h Y b W g Z c f h \ Y] f f c `Y g] b `U `W c W U] b Y h f U Z Z] W] b [`W c b g d] f U W h f Y j Y U `Y X `V m Z Y X Y f U `] b j Y g h] [U h] c b g "$



?]gg]a a YY ž: `cf]XUžI G5 ! H\Y ghfYY hg c Z?]gg]a a YY `\Uj Y VY Wca Y h\Y VUW_Xfcd Zcf U fY W bh Xfi ['hfUZZ]W_]b['gU[U h\ Uh \ Ug `Y Zh Z]j Y]b X]j]Xi U`g ZUW]b[`\Y Zhm df]gcb gY b hY b W g" `H\Y I "G" 8 Y d Ufha Y bh c Z i gh] WY fB C ½ `\ Ug c ZZ]W]U``m Ub b c i b WY X h\Y [i]`hm d `Y Ug `Ub X `W\ Uf[Yg `U[U]bgh h\ YgY `XY ZY b X Ub hgž `U``` Y b hUb [`Y X `]b `U Wc WU]b Y `Wc bgd]f U Wm h\ Uh fY Z Y Whg `U [fck]b[`Xfi [']ggi Y `]b `7 Y b hf U` : `cf] X U" `H\ cgY `Uk U]h]b[`gY b hY b W]b[`]b Wi XY @]g `F i VY b `A Ufh]b Y n 7 U`XY fcb ž `E i Ua U]b `5`]e i Y `6 UfV Y f ž `6 Y fb UfX c `5 b hcb]c `6 f Y Už `5]g\ U B] Wc ``Y `GUb W\ Y n ž Ub X `9 j Y`mb `7 U`XY fcb"

 $5 \ W\ cfX]b [\ 'hc''7`] \ W_'Cf`UbXc\check{z}'A\ Ufh]bYn''7\ U`XYfcb\check{z}'Uh''i gh''&*'mYUfg c`X\check{z}']g']b''Zcf'U'hci [\ \ 'ghfYhW\\check{z}'ZUW]b[''VYhk YYb'')''hc''($'mYUfg']b''ZYXYfU`'df]gcb''UZhYf'd`YUX]b[''[i]'hm'cb''$\delta bY'')'''H\Y'W\Uf['Yg'']$

 $U[U]bgh^{\}]a^{\}]bWi^{\}XY^{\}gi^{\}dd^{\}m]b[^{\}WcWU]bY^{\}hc^{\}fY^{\}hU]^{\}XYU^{\}Y^{\}fgz^{\}U^{\}Wc^{\}U]bY^{\}hc^{\}fY^{\}hU]^{\}XYU^{\}Y^{\}fgz^{\}U^{\}Wc^{\}U]bY^{\}fgz^{\}U^{\}Wc^{\}MU]bY^{\}hc^{\}fY^{\}hU]^{\}hc^{\}fY^{\}hU^{\}Y^{\}fgz^{\}U^{\}Wc^{\}HU]^{\}hc^{\}gc^{\}hc^$

$H\Y D\UmYfg\]b\h\Y 8fUa\U$

Ch\Yfg']b'h\]g'hUb[`YX'k YV']bWi XY'' (!mYUf!c`X'6UfVYfž'' %!mYUf!c`X'6fYUž'&)!mYUf!c`X'GUbW\Ynž'UbX')+!mYUf!c`X'9j Y`mb
7U`XYfcb h\Y'a ch\Yf'cZ'A Ufh]bYn'7U`XYfcb k\c'\Ug'VYYb
]a d`]WUhYX']b'h\Y'gW\Ya Y'hcc"'6fYU'\]a gY`Zž'k]h\'U'\]ghcfm'cZ
ZY`cbm'Wcbj]Wh]cbgž'k Ug'Zci bX'k]h\'Z]fYUfa gž'Ug'k Ug'6UfVYfž
k\cgY'k YUdcb'k Ug'X]gWcj YfYX'bYI h'hc'VU[g'cZ'WcWJ]bY'fYUXm'Zcf
X]ghf]Vi h]cb"'=h'gYYa g'h\Y'Xfi ['hfUXY'\UX'U'Z]fa '[f]d'cb'h\YgY
]bX]j]Xi U`gž'Ug'A Ufh]bYn'7U`XYfcb']g'fYdcfhYX'hc'\Uj Y
Wc``UVcfUhYX'k]h\'6fYU'hc'fYgi dd`m'6UfVYf'k]h\'WcWJ]bY''A gh
VYZcfY'h\Y'WfUW_Xck bg'VY[Ub"

K]XYf 7cbhYl h c Z 8fi ['HfUZZ]W_]b[

 $H\Y`XfUa\ U`]b`?]gg]a\ a\ YY`]gb\ h``f\ gh`Ub`]gc`UhYX`]bW]XYbh'' \\ 5 WWcfX]b[\ 'hc 'h\ Y`I "G"`GYbhYbW]b[\ '7ca\ a\]gg]cbž`Xfi [\ 'hfUZZ]W_]b[\ Wcbh]bi Yg`hc 'dcgY`U`g][\ b]Z]WUbh`W\ U``Yb[\ Yž`k\]h\ '%, ž$&- `WUgYg fY WcfXYX`gdYW]Z]WU``m`Zcf`h\]g`cZZYbgY`]b`Z]gWU``mYUf`&$&("Ghf]_]b[`mž`, ("(\ 'cZ'h\cgY`gYbhYbWYX`Zcf`Xfi [\ 'hfUZZ]W_]b[`k\ YfYa\ Ybž`\][\ `][\ h]b[`U`dfYj\ U`Ybh`hfYbX`h\ Uh`fYgcbUhYg`h\ fci [\ 'j\ Uf]ci\ g`Wca\ a\ i\ b]h]Yg"`H\]g`_]bX`cZ`Wf]a\ Y`]g`cb`h\Y`[\ cj\ Yfba\ Ybh\ g$

Gca Y fYWY bhighUhgifYj YU`h\ Uhih\ Y 'Uj YfU[Y 'U[Y 'cZ']bX]j]Xi U`g gYbhYbWX 'Zcf'Xfi ['hfUZZ]W_]b[']g'Ufci bX'', 'mYUfgž'UbX'a Ubm cZYbXYfg'dcggYgg'`]hh`Y 'hc'bc'df]cf'Wf]a]bU`'\]ghcfm'' \Rightarrow hYfYgh]b[`mžh\Y'Uj YfU[Y'gYbhYbWY'Zcf'Xfi ['hfUZZ]W_]b['g]hg'Uh'UVci hi, & a cbh\gž'Vi hih\Y'dchYbh]U`'WcbgYei YbWYg'WUb'j Ufm'VUgYX'cb'h\Y gdYW]Z]Wg'cZ'YUWX'WUgY'UbX'ZUWhcfg'`]_Y'Z]fYUfa 'dcggYgg]cb'cf `YUXYfg\]d'fc`Yg'k]h\]b'h\Y'Wcbgd]fUWm''5 'WYUf'dUhhYfb'Ya Yf[Yg.h\Y'ghU_Yg'UfY'\][\ž'UbX'h\cgY'WUi[\hi]b'h\Y'`Y[U`'bYhg'ZUWYgY'Yf'][Yg.h\Y'ghU_Yg'UfY'\][\ž'UbX'h\cgY'WUi[\hi]b'h\Y'`Y[U`'bYhg'ZUWYgY'Yf''][\ž'UbX'h\cgY'WUi[\hi]b'h\Y'`Y[U`'bYhg'ZUWYgY'Yf''][\Z'UbX'h\cgY'WUi[\hi]b'h\Y'`Y[U`'bYhg'ZUWYgY'Yf''fUa]Z]WUh]cbg']bj c`j]b['`Yb[h\midf]gcb'hYfag''

 $\label{eq:continuous} Cj\ YfU``ž'h\ Y'dfYggi\ fYg`cZ'h\ Y'Xfi\ [`hfUXY`YI hYbX]b[`UWfcgg 7YbhfU``: `cf]XU'di h'a Ubm']bX]j]Xi U`g`Uh'f]g_"`K]h\ 'gYj YfU``\][\! dfcZ]`Y'WUgYg`bck ']b'h\ Y'gdch`][\hž']h g'j]hU``Zcf'h\ Y'Wca a i b]hm'hc fU``m'Ufci bX'h\ cgY'fYWcj Yf]b['Zfca 'h\ Y'[f]d'cZ'UXX]Wh]cb'UbX'Zcf`Uk 'YbZcfWYa Ybh'hc'Wcbh]bi Y'h\ Y]f'YZZcfhg'hc'X]ga Ubh`Y'h\ YgY XUb[Yfci g'bYhk cf_g"$

5g'h\]g``UhYgh'WUgY']``i ghfUhYgž'h\YfY g'a i W\'k cf_'hc'VY'XcbY']b

UXXfYgg]b['UbX'i bXYfghUbX]b['h\Y']bhf]WUW]Yg'cZ'Xfi ['hfUZZ]W_]b["

H\Y'dUh\'U\YUX'Zcf'h\cgY']bj c`j YX']b'h\YgY'Wcbgd]fUW]Yg'a Um

`YUX'hc'df]gcb'k U``gž'Vi h']h g'U'hY``]b['fYa]bXYf'cZ'h\Y'cb[c]b[

W\U``Yb[Y'ci f'qcW]Yhm'ZUWYq']b'Wca VUhh]b['Xfi [!fY`UhYX'Wf]a Yq"

8 YhU]`g	
Cfh	?]gg]a a YYž:`cf]XUžI G5
EiY``Yb	• k k k "₩]W_cf`UbXc"Wca
	• k k k "]VW"[cj
	• k k k "i ggW[cj

6 Ygi W Yb G]Y i bg Ui Z a Y]b!k]Yb "b Yh