JW_gcbj]``Y/ \$' - /g'; bY'7cbWfh @]bYi d. 'A i gh!GYY'9j Ybhg'UbX'5fh]ghg°

8]gWcj Yf'i dWca]b['WcbWYfhg']b '\JW_gcbj]``Yz': @z'ZYUhi f]b[Ufh]ghg``]_Y`@]``6UVm'UbX'JUa d]fY'K YY_YbX'h\fci [\ci h'\i bY &\$&) "



 $H\g`a\ cbh\ `_]W_g`cZZ`k\]h\ `U`j\]VfUbh`UffUm`cZ`dYfZcfa\ UbW`gž ghUfh]b[\ `cb`$\delta bY`*"\\UW_gcbj\]``Y"\&a\ `fYdcfhg`h\\Uh`ZUbg`\Ub``cc_Zcfk\ UfX`hc`5fh\i\ f`Mci\b[\z`Gm`YYbU`\x\bgcbz`UbX`ch\Yfg`Uh`h\Y\\\Ugcbj\]``Y`9ei\Yghf]Ub`7YbhYf`k\]`Y`C`X`8ca\]b]cb`k\]```\]h`h\Y\\ghU[\Y`Uh`8U]`mg`D`U\W'"\H\Y`Zc``ck\]b[\XUmg`UfY`bc``Ygg`YI\W]h]b[\z\ZYUh\f]b[\ZYYgh`Aci\gYz'@]``6U\mz`J\Ua\d]fY`K\YY_YbXz`UbX`a\Ubm$

 $5a cb[h\Y bchUV\Y \Y UX\]bYfgh\]ga cbh\.$

8 UhY	5fh]gh	JYbiY	Df]WY F Ub[Y
≯ bY '%%	Acxygh Acigy	Gh":5i[igh]bY	`()!`*)
		5a d\]h\YUhfY	
≯ bY '%&	@]`6UVm'k]h\	JmGhUf	`)*!`'()
	6][L h\ UD`i [JYhYfUbg	
		A Ya cf]U`	
		5fYbU	
≯ bY '%&	J Ua d]fY	8 U]`m g D`UW	~ (- ") \$!~ %&- ")
	K YY_YbX		\$
⅓ bY '&&	F]b[c'GhUff	Gh":5i[igh]bY	`)(!`%,(
	UbX^\]g^5``!	5a d\]h\YUhfY	
	GhUff 6UbX		
≯ bY '&(< YUfh	JmGhUf	· * ' ! ` %) '
		J Y hY fUbg	
		A Ya cf]U`	
		5fYbU	

 $5bX'h\ YgY'UfY'' \ gh'U'ZYk'' \][\ \][\ \]'': cf'h\ cgY'k\ \ cgY'hUghYg''YUb a cfY'hck UfXg'Wca YXmž'B]__]'; `UgYf'k]```hU_Y'h\ Y'ghU[Y'cb' $\delta bY \ %(ž'k \]'Y'dcd'gYbgUh]cbg'5j f]``@Uj][bY'UbX' < YUfh'UfY'gYh'hc \ WUdh]j UhY'Ui X]YbWYg'`UhYf']b'h\ Y'a cbh\"$

8]j YfgY A i g]WU`CZZYf]b[g

g'bch' i gh'UVci h'V]['bUa Yg' '7cbWfh[cYfg'Wb'YI dYWh'U'a mf]UX cZ'[YbfYg'Zfca 'F/6'hc'\]d!\cd'UbX'Yj Yb']bX]Y'fcW_"'

**UW_gcbj]``Y"Yj Ybhg Ya d\Ug]nYg'h\Uh'h\Y'WcbWfhg'WUhYf'hc

j Uf]UbW'ž'Ybgi f]b['h\YfY g'gca Yh\]b['hc'gUh]gZm'Yj Yfm

dfYZYfYbW'"'J Ybi Yg'gi W\'Ug'h\Y'7ca YXm'NcbYž'A cfUb'H\YUhYfž

UbX'h\Y'J mGhUf'J YhYfUbg'A Ya cf]U``5fYbU'gYfj Y'Ug']Wcb]W

VUW_Xfcdg'Zcf'h\YgY'a i g]WU``YI dYf]YbW'g"

 $\label{thm:continuous} H\Y`WcbWffngWfbY`\YfY`]gb h``f gh`U`gYUgcbU``UZZU]f/`*\JW_gcbj]``Y`]g Vi nn]b[`h\fci [\ 'h\Y`gi a a Yf`UbX`]bhc`h\Y`ZU```k]h\`dYfZcfa UbWfg `]bYX`i d`Zfca `fYbck bYX`Ufh]ghg`gi W\`Ug`G\Ub]U`Hk U]b`UbX`$\b @Y[YbXža U_]b[`]h`h\Y`d`UWf`hc`VY`Zcf`UbmcbY`k Ubh]b[`hc`Yb`cm `]j Y`a i g]W$

 $: cf'U'hUghY'cZ'k \setminus Uhg' \setminus UddYb]b['bYUfVmž'WkYW_'cih'7cbW'fhZi'ž k \setminus]Wk'dfcj]XYg'U'VfcUX'j]Yk'cZ'dYfZcfaUbW'g'h\fci[\setminus cih': `cf]XUh\]g'acbh\": fca'h\Y'fcW_'[cXg'hc'h\Y'aY`cX]WVU``UXgž'h\YfYgbc'g\cfhU[Y'cZ'Wkc]W'g"$

K\Yh\Yf'mci fY'U'`cWU``cf''1 gh'j]g]h]b[ž'\$ bY']b'\$UW_gcbj]``Y']g g\Ud]b['id'hc'VY'Ub'iba]ggUV`Y'gYUgcb'Zcf'aig]W`cj Yfg"; fUV mci f'Zf]YbXgž'gYh'h\Y'd`Ubgž'UbX'Xcb h'a]gg'ci h'cb'h\]g'ZUbhUgh]W cddcfhib]hm'hc']aa YfgY'mci fgY`Z']b'h\Y'j]VfUbh'gci bXg'YW\c]b[h\fci [\'h\Y'W]hm'

8YhU]`g	
Cfh	IJW_gcbj]``Yž': @ž'l G5
EiY``Yb	k k k "'\u\u\u\u\u\u\u\u\u\u\u\u\u\u\u\u\u\u\u
	'UW_gcbj]``Y"YjYbhg
	WcbWYfhZi `"Wca

6 Y gi W Y b 'G | Y 'i b g 'U i Z 'a Y | b ! k | Y b "b Y h