



5a cb['h\ Y 'fY WY b h' WU b WY ``Uh]cbgž'HY I Ug 'Di V`]WF UX]c'\ Ug fYei YghY X 'h\ Y 'fY j c WUh]cb'c Z']hg' Wcbghfi Wh]cb'd Y fa]h' Zcf'-\$"+

?HLE]b'<YVVfcbj]``Yž'HL": i fh\Yfa cfYž'h\Y: 77'\Ug'U`gc'di h'Ub YbX'hc'8Y`hU'FUX]c'BYhk cf_ g'%\$%"%'K &**6M]b'; fYYbj]``Yž'A Gž UbX'8cW_]bg'7ca a i b]WUh]cbg'-) "' 'K &' +7B']b'DYffmž': @ž'Vch\Zcf'fYa U]b]b['g]`Ybh'Zcf'a cfY'h\Ub'U'mYUf"'H\]g'ghf]b['cZ WUbWY``Uh]cbg'ghfYggYg'h\Y']a dcfhUbWY'cZ'UWh]j Y'VfcUXWUgh]b['Zcf']WYbgY'fYhYbh]cbž']``i a]bUh]b['U'Wf]h]WU``UgdYWh'cZ'\ck'h\Y': 77 YbZcfWYg'fY[i `Uh]cbg"

9bZcfWYa Ybh'U[U]bgh'=`Y[U`5Wh]j]hm

 $8 \ Y'j \]b[\ "XYYdYffz"k \ Y \ "Z]b \ X \ "h \ Uh'h \ Y': 77']g']bh Y bg]Zm]b[\ "Yb ZcfW a \ Ybh U[\ U]bgh i b`]W bg Y X' V fc U X W Ugh Y fg'h \ fci [\ \ 'h \ Y]f'cb[c]b[gi fj Y]``Ub W 'Y ZZcfhg" \ 5 \WcfX]b[\ 'hc 'U'f Y W bh'f Y dcfh 'Zfca 'F U X]c '\ \ \ \ \ z'h \ Y'a UI]a i a 'Z]b Y' Zcf'd]f Uh Y' f U X]c']b Zf U W \]cbg' \ Ug' V Y Y b U X' 1 gh Y X' hc'_YYd'd U W 'k]h \ ']b Z Uh]cbz'bck' f Y U W \]b['i d'hc' & z'()' z & w, "'H \]g' U X' 1 gh Y Y bh']g' U'd U f h'c Z'h \ Y']a d`Ya Y bh Uh]cb'c Z h \ Y'D \ = 5 H 9' 5 W \ x' k \]W Yei]d g'h \ Y': 77'k]h \ 'gh f cb[Y f'hcc`g'hc W ca V Uh']``Y[U``V f c U X W Ugh g"'H \ Y'i d X Uh Y X'd Y b U`hm'gh fi W hi f Y]b W i X Y g' U'd Y f!j]c`Uh]cb'Z]b Y'c Z'` %& z'' * %z' f Y Z' Y W \]b[' U'g Y f]ci g W ca a]ha Y bh'hc' W f V]b['i b Ui h \ cf]n Y X' V f c U X W Ugh]b[''$

#b 'U'j]g]V`Y'X]gd`Um'cZYbZcfWYa Ybhž'h\Y': 77'fYdcfhYX'h\Uh']b
Z]gWU``mYUf'&\$&(ž'h\Ym'WcbXi WhYX'gk YYdg']b'h\Y'hcd'Z]j Y'a Uf_Yhg
_bck b'Zcf'd]fUhY'fUX]c'UWh]j]hm'''H\YgY'gk YYdg'`YX'hc'Ub
]a dfYgg]j Y'`, 'a]``]cb']b'W a i `Uh]j Y'Z]bYg'Zcf'j Uf]ci g'cdYfUhcfg
UWfcgg'a i `h]d`Y'ghUhYg'''BchYk cfh\m'Z]bYg']bWi XYX'` &ž %* ž\$' (
YUW\'Zcf'7ÅgUf'UbX'@]g'5mcfU']b'BYk 'Mcf_'7]hm'''H\]g']bhYbg]Z]YX
gWfi h]bm'XYa cbghfUhYg'U'Wfi W]U`'WfUW_Xck b'cb'cdYfUh]cbg'h\Uh
j]c`UhY'VfcUXWUgh]b['`Uk g"

$H\Y GCUXYF @UbXgWUdY CZD]fUhY FUX]c$

 $5 \ W\ CfX]b[\ hc\ h\ Y:\ 77\ gc\ ZZ]\ W]U\ Yb\ ZcfW\ a\ Yb\ h'd\ U[\ Y\ Z'\ h\ Y']ggi\ YcZ'ib\ Ui\ h\ Cf]nYX\ fUX]c\ ghUh]cbg\ YI\ hYbXg\ VYmcbX\ '' gh\ Z]b\ Ub\ W]U\ dYb\ U`h]Yg"\ H\ Ym\ cd\ YfUhY\ k\]h\ ci\ h'h\ Y'b\ W\ gg\ Ufm:\ 77\ '']W\ bg\ Yg\ Ug\ a\ Ub\ XUhYX\ Vm'h\ Y'7ca\ a\ i\ b]\ WUh]cbg\ 5\ W'z\ Ub\ X'\ WUb\]b\ Zf]b\ [\ Y'cb\ YghUV\]g\ YX\ Vfc\ UX\ WUgh]b\ [\ bcfa\ g"\ H\ Y'D\ 5\ H9\ 5\ Wh\ bch cb\ m'fU]g\ Yg\ dYb\ U`h]\ Yg\ Zcf\ f\ Yd\ Uh\ c\ ZZY\ b\ XYfg\ Vi\ h'\ U\ gc\ [\ f\ Ub\ hg\ h\ Y\ 7ca\ a\]gg]cb$

 $\label{liminary} \begin{tabular}{ll} Ui $h\c] $h' c] $$

 $H\Y: 77\\\Ug`YghUV`]g\YX`U`XUhUVUgY`h\Uh`]XYbh]Z]Yg`Ybh]h]Yg gi V`YWh`hc`YbZcfWYa Ybh`UWh]cbg`Zcf`d]fUhY`VfcUXWUgh]b[ž Yb\UbW]b[`hfUbgdUfYbWm`UbX`UWWci bhUV]`]hm''`H\Y`7ca a]gg]cb`]g Wcbh]bi ci g`m`Yl dUbX]b[`]hg`YbZcfWYa Ybh`WUdUV]`]h]Ygž`\Uj]b[UXXYX`bYk `ghUZZ`UbX`a cV]`Y`X]fYWh]cb!Z]bX]b[`j Y\]WYg`hc`]hg cdYfUh]cbg''`<math>\pm$ bWca]b[`: 77`7\U]f`6fYbXUb`7Uff`\Ug`Ya d\Ug]nYX h\Y`bYYX`Zcf`cb[c]b[`a cb]hcf]b[`cZ']``Y[U``VfcUXWUghgž g\ck WUg]b[`U'dfcUWh]j Y`ghUbWY`U[U]bgh`h\]g``cb[ghUbX]b[`]ggi Y''

5g: `cf]XU g'fUX]c'``UbXgWUdY'Wcbh]bi Yg'hc'`UXUdhž'h\Y'gdch`][\h'cbYbZcfW'a Ybh'a YUgi fYg'fYZ'YWhg'U'bYWgg]hm'Zcf'`UWWci bhUV]`]hm Ua cb['VfcUXWUghYfg'''K]h\'Z]bYg']bWfYUg]b['UbX'fY[i`UhcfmUWh]cbg'[U]b]b['a ca Ybhi a ž']h'gYYa g'h\Y'U]fk Uj Yg'UfY'UVci h'hc[Yh'U'`ch'WYUbYf'''H\YfY g'gca Yh\]b['hc'VY'gU]X'Zcf'Ybgi f]b['h\Uhh\Y'a i g]Wk Y'`]ghYb'hc'i d\c`Xg'h\Y'bYWYggUfm'ghUbXUfXg'UbXgUZYhm'dfchcWc`gž'VYbYZ]h]b['Vch\'`]ghYbYfg'UbX'`Uk!UV]X]b[VfcUXWUghYfg'U`]_Y"

8YhU]`g	
Cfh	DYffmž:@ž1G5
EiY``Yb	fUX]c]bg][\ h"Wca
	fUX]c]b_"Wca
	• k k k "ZVWV[cj

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