

GWX k YfYf'l bZU```]b '8 fYgXYb. 'HUl] 'dfU``h a]h'A chcffUX 'ni gUa a Yb °

GWXk YfYf'J Yf_Y\fgi bZU```]b'8fYgXYb.'HUI]'_c``]X]Yfh'a]h A chcffUX'Ui Z'XYf'@Y]dn][Yf'GhfU»Y"'6Y]XY': U\fYf'j Yf`Yhnh"



@Y]dn][Yf'GhfU» Yž'\$%\$-+'8fYgXYbž'8Yi hgW\`UbX'!'9]b
gW\k YfYf'J Yf_Y\fgi bZU```\Uh'\Yi hY'A cf[Yb'X]Y'@Y]dn][Yf'GhfU» Y
]b'8fYgXYb']b'5i Zfi \f'j YfgYhnh"; Y[Yb'*"(\$'I\f'_c``]X]YfhYb'Y]b
HUI]'i bX'Y]b'A chcffUX'VY]'Y]bYa 'f]g_UbhYb'A UbÒj Yf'XYg
HUI]ZU\fYfg"'8]YgYfžY]b')-!'À\f][Yf'A Ubbž'k YbXYhY
j YfVchYbYfk Y]gY'ØVYf'Y]bY'GdYffZÀW\Yž'k Ug'ni 'XYa
Zc`[YbgW\k YfYb'Ni gUa a Ybghc» 'a]h'XYa '&'!'À\f][Yb
A chcffUXZU\fYf'ZØ\fhY"'@Ui h'GÀW\g]gW\Y"XY'k i fXYb'VY]XY
: U\fYf'j Yf`Yhnhii bX'a i gghYb']bg'?fUb_Yb\Ui g'[YVfUW\h'k YfXYb'''

8 Yf'l b ZU```\]bhYf`]Y» 'b]W\h'bi f'dYfgÒb`]W\Y'?cbgYei YbnYbž gcbXYfb'Ui W\'Y]bYb'\c\Yb'GUW\gW\UXYb'j cb'fi bX'%) "\$\$\$'9i fc" 5 bk c\bYf'i bX'DUggUbhYb'k UfYb'nYi [YbXYž'U`g'X]Y 6Yfi ZgZYi Yfk Y\f'8fYgXYb'Y]bhfUZži a 'Ui g`Ui ZYbXY'6Yhf]YVgghcZZYni 'V]bXYb"'8]Y'@Y]dn][Yf'GhfU»Y'k Uf'k À\fYbX'XYf bZU``Ui ZbU\a Y']b'VY]XYb'F]W\hi b[Yb'j c``ghÀbX]['[YgdYffhž'k UgUi W\X]Y'GhfU»YbVU\b`]b]Yb'('i bX'-'VYhfcZZYb'\Uh"

$G]WXYfY]hg`U[Y']a `GhfU»YbjYf_Y\f$

 $8] YgYf'I bZU```k] fZhY]b'GWX`U[`]WX h'Ui Z'X]Y'U_hi Y``Y \\ G]WXYf\Y]hg`U[Y']a 'GhfU» Ybj Yf_Y\f''8]Y'GhUh]gh]_Yb'ni \\ JYf_Y\fgi bZÀ``Yb'nY][Ybž'XUgg'gc`WXY'JcfZÀ``Y'b]WX h']gc`]Yfh'g]bX'' \\ = XYi hgWXYb'GhfU» Ybj Yf_Y\f'g]bX''Â\f`]WX'nU\`fY]WXY'A YbgWXYb]b'I bZÀ``Y'j Yfk]W_Y`hž'i bX'XUg'Ni gUa a Ybgd]Y`'j YfgWX]YXYbYf : U_hcfYb']gh'YbhgWXY]XYbX''' <math>\Rightarrow$ 'XYf'JYf_Y\fgghUh]gh]_'k YfXYb'b]WXh bi f'X]Y'I bZÀ``Y'gY`Vgh'YfZUgghž'gcbXYfb'Ui WX'XYhU]`g'ni 'XYb VYhfcZZYbYb': U\fnYi [Ybž'XYb'VYhY]`][hYb'DYfgcbYb'i bX'XYb \Ai Z][ghYb'I bZU``i fgUWXYb'''8]YgY'8 UhYb'V]`XYb'X]Y'; fi bX`U[Y'ZØf ni _ØbZh][Y'A U» bU\a Yb'ni f'9f\O\i b['XYf'JYf_Y\fgg]WXYf\Y]h''

6YgcbXYfg'Ui ZZÀ``]['g]bX'X]Y'Ghfi _hi fYb'XYg'I bZU``[YgWXY\Ybgž X]Y'5i ZgWX`i gg'ØVYf'XUg'JYf\U`hYb'XYf'JYf_Y\fghY]`bY\a Yf [YVYb"'8]b[Y'k]Y'5`_c\c`!'i bX'8fc[Ybj YfghÒ» Y'gck]Y ; YgWXk]bX][_Y]hgØVYfgWXfY]hi b[Yb'g]bX'\Ài Z][Y'I fgUWXYb'ZØf VYXfc\`]WXY'G]hi Uh]cbYb'Ui Z'XYf'GhfU» Y"

9]b 6`]W_ Ui Z'X]Y J Yf\ U`hYbgk Y]gYb

Ni gÀhn`]W\`nY][Yb`A Y`Xi b[Yb'j cb'? 65"XYž'XUgg']a `\J\f'&\&(Y]bY'J]Y`nU\`'j cb'JYf_Y\fgUi \(\mathbb{Z}\)A``][_Y]hYb'fY[]ghf]Yfh'k i fXYbž'X]Y X]fY_h'a]h'XYf'G]W\Yf\Y]h']a `GhfU\\YbjYf_Y\f'_cffY`]YfYb"'I a b]W\h'bi f'X]Y'HY]`bY\a YfnU\`Yb']a `GhfU\\YbjYf_Y\f'ni \\Yf\Ø_g]\W\h][Yb\z'gcbXYfb'Ui \W\`dchYbn]Y``Y'F]g]_Yb'ni \]XYbh]\[Z]n]YfYb\z'k YfXYb'\8 UhYb'\Ø\YYf'\8 Y`]_hY'k]Y \\ \Yg\\\ k\]bX][_Y]hg\Ø\Yfg\\\fY]hi b[Yb'i bX'\5`_c\c`!'gck]Y \\ \8 fc[Yba]\gg\fUi \W\`]a `: U\fY][bi b[\gfY[]\gh\f'fl\59F\z'[\YgdY]\W\Yfh''

A]h'ØVYf'%\$'A]``]cbYb'fY[]ghf]YfhYb'DYfgcbYb']b'&\$&('_Ubb'a Ub'Y]W\h'gY\Ybž'k]Y'k]W\h]['Y]bY'gcf[Z\hanklen'h][Y'6YcVUW\hi b['i bX5bU`mgY'gc`W\Yf'JcfZ\hanklen'Y]gh"'Gc`W\Y'GhUh]gh]_Yb'\Y`ZYbž'[Yn]Y`hY

A U» bU\a Yb']b'XYf'JYf_Y\fgdc`]h]_'i bX'!Yfn]Y\i b['ni 'Ybhk]W_Y`bž i a '[YZÀ\f`]W\Y'HfYbXg'ni 'VY_Àa dZYb' 'X]Y'GhfU» Yb'g]W\YfYf'ni [YghU`hYb"

#55bVYhfUWkhiXYg`\Yih][Yb`JcfZU``g`k]fX`XYih`]WkžiXUgg`YXYg
F]g]_c`Ui Zi bgYfYb`GhfU» Yb`Yfbgh`[Ybca a Yb`k YfXYb`a i gg"'8]Y
8fYgXbYf`6Y\ÒfXYb`g]bX`Ub[Y\U`hYbžigc`WkY`GnYbUf]Yb`[fØbX`]Wk
ni `i bhYfgi WkYb`i bX`[Y[YVYbYbZU``g`X]Y
JYf_Y\fgg]WkYf\Y]hgghfUhY[]Yb`ni `ØVYfXYb_Yb"`8Ybb`X]Y
G]WkYf\Y]h'U``Yf`JYf_Y\fghY]`bY\a Yf`gc``hY`]a a Yf`Ub`YfghYf`GhY``YghY\Yb"

8 YhU]`g	
Cfh	@Y]dn][Yf`GhfU»Yž`\$%\$-+`8fYgXYbž
	8 Ying W.`Ub X
EiY``Yb	 k k k "gUYWX g]gWX Y"XY
	k k k "XYghUh]g"XY
	• k k k "_VU"XY

6Ygi WXYb G]Y i bg Ui Z. b!U["bYh