

8]Y`I b]`6cbb`i bX`H]``Yf`5`d\U`Ybhk]_Y`b`5bU`mgYb`Z\\Df : cfg\\Wi b[g]b\ZfUghfi_hi fYb\zii a `Bi hni b[ga i ghYf`i bX ?ccdYfUh]cbgbYhnk Yf_Y`ni `cdh]a]YfYb"



 $6cbb\check{z}'8Yi hgWX`UbX`!`5a ``\%("`AU]`\&\$\&) ``\Uh'X]Y` +b]h]Uh]j Y`H]``Yf5`d\U\check{z}'X]Y`Ub`XYf`I b]j Yfg]hAh`6cbb`]bg`@YVYb`[Yfi ZYb`k i fXYžjj YfgdfYWXYbXY`: cfhgWXf]hhY`]b`XYf`5bU`mgY`XYf`Bi hni b[`j cb: cfgWX i b[g]bZfUghfi _hi fYb`i bX`7cfY`: UW]`]h]Yg`Yfn]Y`h"`H]``Yf`5`d\UYfUfVY]hYh`[YaY]bgUa`a]h'j YfgWX]YXYbYb: cfgWX i b[g]bZfUghfi _hi fYb`YggYbh]Y``Y`5bU`mgYbži a`X]Y8mbUa]_Yb`j cb`Bi hnYf[YaY]bgWXUZhYbž'Bi hni b[ga i ghYfb`i bX?ccdYfUh]cbgbYhnk Yf_Yb`VYggYf`ni 'j YfghY\Yb"`8]Yg`]ghVYgcbXYfg`k]WXh][`]b`NY]hYb`dc`]h]gWXYf`I bg]WXYf\Y]h'i bX`_bUddYfZ]bUbn]Y``Yf`FYggci fWYbž'XU`Y]bY`YZZ]n]YbhYž'fYg]`]YbhY`i bXbUWX\U`h][Y`Bi hni b[`X]YgYf`+bZfUghfi _hi fYb`[YZcfXYfh`]gh"$

8]Y'Ua 'H]``Yf'5`d\U'Dfc'Y_h'VYhY]`][hYb': cfgWib[g]bZfUghfi_hifYbV]YhYb'_ca d`Yl Y'k]ggYbgWXUZh`]WXY & ghfi a YbhY'k]Y@]WXhei Y``Ybž'@UgYfž'HY]`WXYbVYgWX`Yib][Yf'ibX'HY`Yg_cdY'Ub"K]ggYbgWXUZh`Yf'bihnYb'X]YgY' & ghfi a YbhY'YXcWX'b]WXh']a a Yf']bjc``Ya 'la ZUb[ž'kUg'X]Y'BchkYbX][_Y]h'\Yfjcf\YVhž'X]YBihnib[ga ighYf'[YbUi'ni'UbU`mg]YfYb"'H]``Yf'5`d\U'jYfkYbXYhXUni'8UhYb'Uig'Dfc'Y_hUbhfÀ[Ybž'DiV`]_Uh]cbYbž5VgWX`iggVYf]WXhYb'gck]Y'ghUh]gh]gWXY'AYhUXUhYb']b'Y]bYaiaZUggYbXYb'8UhYbO_cgmghYa"

< YfUi gZcfXYfi b[Yb i bX @Ogi b[Yb

8]Y'<YfUi gZcfXYfi b[ž'fYggci fW'b]bhYbg]j Y'Bi hnYfUbU`mgYb
Xi fW\ni Z\fYbz'k]fX'Xi fW\'X]Y'ghY][YbXY'?ca d`Yl]h\h'XYf
\dight\forall a YbhY'i bX'XUg'j]Y`Z\h'h][Y'Bi hni b[ggdY_hfi a 'ni g\h'n`]W\
YfgW\kYfh"'H]``Yf'5`d\U'bi hnh'[fc\gammaY'GdfUW\a cXY``Y'i bX'_ca d`YlY
5`[cf]h\a Ybz'i a 'nYbhfU`Y': fU[Yb'ni 'VYUbhk cfhYb.'K Yf'bi hnh
kY`W\Y'\dight\forall a YbhY3'K]Y'\\hi Z]['k YfXYb'g]Y'Y]b[YgYhnh3'l bX'k]Y
`UggYb'g]W\'?ccdYfUh]cbgbYhnk Yf_Y'a cXY``]YfYb3

9fghY'D]`chghi X]Ybži bhYf'UbXYfYa 'a]h'A 5L'= 'i bX'XYa '6cbb HYWXbc`c[m'7Ua di gž'nY][Yb'VYfY]hg'dcg]h]j Y'9f[YVb]ggY'i bX 'Y[Yb'XUa]h'XYb'; fi bXghY]b'ZØf'Y]bY'j YfVYggYfhY'Bi hni b['XYf FYggci fWYb"'H]``Yf'5`d\U'ghY``h'g]WX'b]WXh'bi f'U`g'5bV]YhYf'j cb k]ggYbgWXUZh`]WXYa 'GYfj]WY'XUfž'gcbXYfb'nY][h'Ui WX'Y]b'h]YZYg JYfghÀbXb]g'ZØf'X]Y'6YXØfZb]ggY'i bX'<YfUi gZcfXYfi b[Yb'j cb cfgWXi b[g]bZfUghfi _hi fYbž'XUg'Xi fWX'X]Y'; fØbXi b[g]XYY'Ua Di ZYbXcfZ'+bgh]hi hY'Zcf'5Xj UbWYX'Ghi X]Yg'Ub'XYf'I b]j Yfg]hÀh'@ bX j YfghÀf_h'k]fX"

FYggcifWbibXlbhYfghØhnib[

 $8]Y \cdot 7 \setminus Uf]hÅ \check{z}Y]bY \cdot XYf \cdot Z\emptyset \setminus fYbXYb \cdot a \quad YX]n]b]gWXYb \\ : cfgWXi b[gY]bf]WX hi b[Yb']b'8 Yi hgWX \cdot UbX \check{z}Yf[Abnh \cdot XUg'] cf\ UVYb \\ H]``Yf \cdot 5 \cdot d \setminus U \cdot a \quad]h'] \setminus fYa \quad VYY]bXfi W_YbXYb' DcfhZc`]c'Ub'a cXYfbYb \\ : cfgWXi b[g]bZfUghfi _hi fYb'i bX \cdot 7 cfY': UW]`]h]Yg'' \cdot 8]YgY \\ 9]bf]WX hi b[Yb'V]YhYb'b]WX h'bi f'Ni [Ub['ni' \ cWX_ca d`Yl Yb k]ggYbgWX UZh`]WXYb'; fc \([YfAhYbz'gcbXYfb'Ui WX'l bhYfghØhni b['] \)$

H]``Yf`5`d\U`\Uhig]W\b]W\h'bi f`XYf`< YfUi gZcfXYfi b['XYf`5bU`mgY j cb'Bi hnYfXUhYb'Ub[Ybca a Ybž'gcbXYfb'Ui W\ 'XUg'DchYbn]U``ni f
J YfVYggYfi b['XYf'k]ggYbgW\UZh`]W\Yb'\DZfUghfi _hi f'i bX
7Ca a i b]h]Yg'Yf_Ubbh"'\D]h]Uh]j Yb'k]Y'XUg'9L \GH'K ca Yb
Dfc[fUa a 'i bhYfghØhnYb'ni XYa 'XUg'ZUW\`]W\Y'i bX'dYfgÒb`]W\Y
K UW\ghi a 'j cb'; fØbXYf]bbYb']b'X]YgYa '6YfY]W\'i bX'V]YhYb
k Yfhj c``Y'K cf_g\cdg'i bX'A Ybhcf]b['Ub"'8]Y'I bhYfghØhni b['Xi fW\
X]Y'I b]j Yfg]h\h'6cbb']b': cfa 'j cb'; fØbXi b[gVYfUhYfb'i bX
K cf_g\cdg'XYg'HfUbgZYf'7YbhYfg'YbU7ca 'V]YhYh'ni g\hn`]W\Y
F Yggci fW\b\Z'X]Y'Z\Øf'XYb'9fZc`['j cb'H]``Yf'5`d\U'YbhgW\Y]XYbX'gY]b
_\ObbhYb"

8 Y hU]`g	
Cfh	6cbbž8Yi hgWX`UbX
EiY``Yb	• k k k "i b]!Vcbb"XY
	• k k k "WX Uf]hY"X Y
	• kkk"Va VZ"XY

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'b!U["XY