

BYi Yf';]fUZZYb!BUWki Wkg']a 'H]YfdUf_ 6Yf`]b. '9]b 'ZfYi X][Yg': Ua]`]YbZYgh°

=a 'H]YfdUf_'6Yf`]b'[]Vh'Yg'YfZfYi`]W\Y'BUW\f]W\hYb.';]fUZZYb! 8Ua Y'A Ui XY'\Uh'Y]b'bYi Yg'?À`VW\Yb'VY_ca a Yb" 6Ygi W\Yb'G]Y'X]Y'\Yfn][Yb'BYi`]b[Y°



a 'H]YfdUf_'6Yf`]b'[]Vh'Yg'Ui ZfY[YbXY'BYi][_Y]hYbž'X]Y'b]W\h'bif H]Yf`]YV\UVYf'VY[Y]ghYfb'k YfXYb"'BUW\'Y]bYf'FY]\Y'ghUf_Yf K UW\ghi a gYbhk]\W_`i b[Yb']b'XYb'< Ui dhghUXh!Nccgž'XUfi bhYf'X]Y; YVi fh'j cb'Nk Yf[Zi ggdZYfXYb'i bX'DUbXU!Nk]``]b[Ybž'ghY\h'bi b X]Y';]fUZZY']a 'A]hhY`di b_h"'8]YgY'ZUgn]b]YfYbXYb'H]YfY'\UVYb Ni k UW\g'VY_ca a Ybž'XYf'X]Y'5bnU\``]b'XYf'<YfXY'Yf\YV`]W\Yf\O\h"

;]fUZZYb!8Ua Y'A Ui XY'VfUW\hY']b'XYf'BUW\h'j ca '&&"'Ui Z'XYb'&' "GYdhYa VYf']\f'VYfY]hg'UW\hYg'?À`VW\Yb'ni f'K Y`hž'k Ug'XUg; YgUa hV]`X'XYf';]fUZZYbZUa]`]Y']a 'H]YfdUf_'6Yf`]b'Ybcfa Ui Zk YfhYh"'A]h'X]YgYb'bYi Yb'Ni k ÀW\gYb'nÀ\`h'X]Y'<YfXY'bi b qhc`nY'Y`Z'A]h[`]YXYf"'8UVY]'qd]Y`Yb'X]Y'UbXYfYb'A ØhhYf'A Ui XY

gck]Y'?Uh\Uf]bU'i bX'5a U`_U'Y]bY'YbhgW\Y]XYbXY'Fc``Y']b'X]YgYa K UW\ghi a "'8Yf'ni _ØbZh][Y'GhUf'X]YgYf'_`Y]bYb': Ua]`]Yž'Y]b [Ygi bXYf'6i ``Yž']gh'bUW\'XYb'; YVi fhYb'j cb'6Yfh]']a '\$ b]'i bX 9a]`m']a '5i [i gh'XUg'bYi YghY'A]h[`]YX'i bX'gcf[h'ZØf'Zf]gW\Yb K]bX']b'XYf'<YfXY"

K UW ghi a XYf;]fUZZYb\YfXY

5bXfYUg?b]Yf]Ya žXYf'8]fY_hcf'XYg'H]YfdUf_gž'Ài » Yfh'gY]bY
: fYi XY'ØVYf'X]Y'; YVi fhYbfUhY.' K]f'\UhhYb'bcW\'b]Y'gc'j]Y'Y

\$\[
\delta[h]YfY\[\delta'X]Y'\]ni ['Y]W\']b'i bgYfYf'GUj UbbY'\Yfi a [Yhc``h'g]bX''

8\[
\delta[g'Yg'X]YgYg'\]\f'['Y]W\'XfY]'A\[U`'[Y_`Uddh'\Uh\'z'ZfYi h'i bg'gY\f\'z\]

XYbb'Yg'[]Vh'bi f'bcW\'%''(\$\$'Fch\gW\]`X!;]fUZZYb']a 'bUhØf`]W\Yb

@YVYbgfUi a "'8\Yf'Ni k\UW\g'Ub';]fUZZYb']gh'U'g'Y]b'dcg]h]j\Yf

GW\\f]hh'Z\[\delta[XYb'6\YghUbX'X]\Yg\Yf'[\YZ\\\fXYh\Yb'5\fh'ni 'k\Yfh\Yb\z'\X]\Y\
`Ui h'X\Yf'K\Y'\hb\Uhi\fg\Xi\hni b]cb'\=\frac{1}{2}\Fini\b\Y\\a\Yb\X'\Y\Xfc\\h']gh''

8 Ugg X]Y 6 Ygi WX Yf 'b]WX h``Ub[Y 'Ui Z'X]Y 'bYi Yb 'H]YfY 'k UfhYb a ØggYbž']gh'Y]b 'ni gÀhn`]WX 'YfZfYi `]WX Yf '5 gdY_h" 'A Ui XY 'i bX']\f bYi [YVcfYbYg'? À`VWX Yb \ UhhYb ``YX][`]WX 'X]Y 'YfghYb 'Ghi bXYb bUWX 'XYf'; YVi fh'U``Y]b 'j YfVfUWX h" '\dagger nk]gWX Yb 'g]bX 'g]Y 'k]YXYf j c``ghÀbX][']b 'X]Y '< YfXY ']b hY[f]Yfh'i bX 'g]bX 'gca]h'ZØf'X]Y 6Ygi WX Yf'g]WX hVUf" '8]Y '; Y`Y[Yb\Y]hž'X]YgY 'a U'YghÀh]gWX Yb 'H]YfY]b '5_h]cb 'ni 'gY\Ybž']gh'XU\Yf'bi f'Y]bYb'6Ygi WX 'YbhZYfbh''

A]h']bg[YgUa h'Y`Z';]fUZZYbž'X]Y'i bhYf'XYb'k UW\gUa Yb'5i [Yb]\fYf'5fh[YbcggYb'\Yfi a `Ui ZYbž'\Uh'XYf'H]YfdUf_'6Yf`]b'Y]bY
VYgcbXYfY'5hhfU_h]cb'[YgW\UZZYbž'X]Y'g]W\'\Yfj cffU[YbX'a]h'XYb
BUW\f]W\hYb'ØVYf'UbXYfY'H]Yf[YVi fhYb']b'XYf'FY[]cb'j Yf_bØdZYb
`Aggh"'9]bY'gc`W\Y'J]Y`nU\`'Ub'\$\daggarrow\b[h]YfYb'ni 'Yf`YVYbž']gh'b]W\h'bi f
ZØf'X]Y'5b[YghY``hYbž'gcbXYfb'Ui W\'ZØf'X]Y'6Ygi W\Yf'XYg
H]YfdUf_g'Y]bY'Ui ZfY[YbXY'NY]hž'j c``Yf'9a ch]cbYb'i bX'Ni bY][i b[ni 'X]YgYb'k i bXYfVUfYb'H]YfYb"

K Yf'a Y\f'ØVYf'X]Y'bYi YghYb'9fY][b]ggY'fi bX'i a 'XYb'H]YfdUf_ 6Yf`]b'YfZU\fYb'a ÒW\hYž'XYf'_Ubb'g]W\'k Y]hYfY'\d\Zcfa Uh]cbYb'\VY] k k k "VYf`]b!`]j Y"XY'UbgY\Yb"

6Ygi WXYb G]Y i bg Ui Z. a Y]b!VYf`]b bYh