

BUWX '? fUk U``Yb']b'6]VYfUWX. '9`Z 5b_`U[Yb'[Y[Yb'DfchYghhY]`bY\a Yf

 $9`Z'5b_`U[Yb'bUWX'5iggWXfY]hib[Yb'Ua'5gWXYfa]hhkcWX']b6]VYfUWX.'DfchYghY'Yg_U`]YfYbž''+'GhfUZVYZY\`Y'VYUbhfU[h"$

DfchYghY`]b`6]VYfUWX.`?cad`YIY
5igk]f_ib[Yb`UiZ'X]Y`[YgY``gWXUZh`]WXY
G]WXYf\Y]h

 $8]Y'5i ggWXfY]hi b[Yb'Ua'dc`]h]gWXYb'5gWXYfa]hhk cWX']b'6]VYfUWX \\ VUVYb'b]WXh'bi f'i ba]hhY`VUfY': c`[Yb'ZØf'X]Y'6YgWXi `X][hYbž gcbXYfb'k YfZYb'Ui WX'Y]b'@]WXh'Ui Z'X]Y'[YgY``gWXUZh`]WXYb GdUbbi b[Yb'fi bX'i a'dc`]h]gWXY'DfchYghY']b'8Yi hgWX`UbX'''8]YgY ; Yk U`hU_hY'ZØ\fhYb'ni 'Y`Z'5b_`U[Yb'i bX'Y]bYf'J]Y`nU\`'j cb GhfUZVYZY\`Yb''Gc`WXY'JcfZÀ``Y'g]bX'YbhgWXY]XYbX'ZØf'XUg JYfghÀbXb]g'XYf'<YfUi gZcfXYfi b[Ybž'XYbYb'g]WX'X]Y G]WXYf\Y]hgVY\ÒfXYb'[Y[YbØVYfgY\Yb''$

9]b 'Ui g[Yk Y]hYhYf'6`]W_ 'Ui Z'X]Y ; YgWXY\b]ggY

FYWXh`]WXY?cbgYeiYbnYb'ibX'5b_`U[Yb

BUWW. XYb. 5i ggWkfY]hi b[Yb. k i fXY j cb. XYf GhUUhgUbk UhgWkUZh FUj YbgVi f[VY_Ubbh [Y[YVYbž XUgg [Y[Yb]]bg[YgUa h*) VY_UbbhY 6YgWki X][hY Yfa]hhY hrk]fX" 8]Y 5b_Y[Yb fY]WkYb j cb K]XYfghUbX [Y[Yb J c hghY W_i b[gVYUa hY V]g \]b ni @UbXZf]YXYbgVfi Wk i bX gc[Uf XYf J Yfk YbXi b[j cb j YfZUggi b[gk]Xf][Yb Gma Vc Ybž k]Y XYa <]hYf[fi > "Gc WkY J cfk ØfZY g]bX b]Wkh bi f h f]gh]gWk fY Yj Ubhž g]Y g]bX Ui Wk Y]b \dank X]_Uhcf ZØf XYb Ni ghUbX XYf dc h]gWk Yb ?i hi f]a @UbX"

JYf`YhnhY'6YUa hY'i bX'XYf'9]bgUhn'j cb DZYZZYfgdfUm

 $8]Y \cdot 5i ggWX fY]hi b [Yb `\ UhhYb `Ui WX `X]fY_hY \cdot 5i gk]f_i b [Yb `Ui Z'X]Y \\ 9]bgUhn_fÀZhY. `A Y\ fYfY `Dc`]n]ghYb `k i fXYb 'j Yf`Yhnhž 'k Ug`X]Y : fU[YUi Zk]fZhž 'k]Y `X]Y `G]WX Yf\ Y]h `XYf `6YUa hYb `k À\ fYb X `gc` `WX Yf DfchYghY `[Yk À\ f`Y]ghYh `k YfXYb `_Ubb" \8 Yf `9]bgUhn 'j cb DZY ZZY fgd fUm'j YfXYi h`]WXh `X]Y `9g_U`Uh]cbgghi ZYb ž `X]Y `VY] `XYf ? cb hfc ``Y 'j cb `DfchYghYb `YffY]WXh `k YfXYb `_ObbYb"$

5 i gV`]W_ Ui Z'k Y]hYfY 9bhk]W_`i b[Yb

 $5_hi\ Y```[]Vh'Yg'bcWX'_Y]bY'ZYgh[Y`Y[hYb'JYf\UbX`ib[ghYfa]bYž YXcWX'k ifXYb'VYfY]hg'' + GhfUZVYZY\`Y'Uig[YghY``hž'X]Y']b'Y]b][Yb: A``Yb'fYWXhg_fAZh]['g]bX''' <math>\pm b$ 'UbXYfYb'VYghY\h'X]Y'A O`[`]WX_Y]h'XYg 9]bgdfi WXgž'XYf'X]Y'fYWXh`]WXYb'5igY]bUbXYfgYhnib[Yb'kY]hYf jYf`Ab[Yfb'_ObbhY''8]Y'5b_`U[Yb'ibX'XYfYb'6Y\UbX`ib[']a; Yf]WXhggmghYa'k YfXYb'X]Y'OZZYbh`]WXY'8]g_igg]cb'ØVYf'XYb Ia[Ub['a]h'dc`]h]gWXYb'DfchYghYb'ibX'XYfYb'?cbgYeiYbnYb ZOfXYfb''

 $\pm g[\ YgUa\ h'nY][\ Yb'X]Y'9fY][\ b]ggY']b'6]VYfUWX \check{z}'k\]Y'h]YZ'X]Y \\ [\ YgY``gWX\ UZh`]WXYb'F]ggY'g]bX'i bX'k Y`WXY'< YfUi gZcfXYfi b[\ Yb'ZØfX]Y'N]j]`[\ YgY``gWX\ UZh'i bX'X]Y'Dc`]h]_'VYghY\Yb''8]Y'Bchk YbX][_Y]h Y]bYg'8]U`c[\ g'ØVYf'X]Y'G]WXYf\Y]h'i bX'X]Y'FYWX hY'XYf DfchYgh]YfYbXYb']gh'Xf]b[``]WXYf'XYbb''Y''$

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