

B Yi UbZUb['a]h'A i g]_.' , !) \$!6UbX' 'Y \ a
B Ò 'fcW_h]b 'A Ubb\Y]a

⇒'XYf'A Ubb\Y]a Yf'FU_YhY'j Yfk]f_]WXYb', !) \$Yf']\fY
HfÀi a Y'j ca 'A i g]n]YfYb']b'Y]bYf'6UbX' 'Y]bY']bgd]f]YfYbXY
9bhXYW_i b[°

< cVVma i g]_Yf'j Yfk]f_]WXYb'g]WXY']b'XYf'A i g]_gWxi 'Y
A Ubb\Y]a Yf'FU_YhY ' '9]bV']W_Y']b'X]Y'hfUbgZcfa Uh]j Y
? fUZh'XYf'A i g]_ 'ZØf'À'hYfY'A YbgWXYb

8]Y '? fUZh'XYf'A i g]_]a '5`hYf

⇒'Y]bYf'NY]hž']b'XYf'j]Y'Y'X]Y'A i g]_ 'U'g' [Y'i b[YbY': 'i W'h'Ui g'XYa
5`hU['VYhfUW'hYbž'nY][h'X]Y'A i g]_gWxi 'Y' A Ubb\Y]a Yf'FU_YhY
]b'A Ubb\Y]a ž'XUgg'XUg'A i g]n]YfYb'Ui WXY]a 'Zcfh[YgWf]hYbYb
5`hYf'Y]bY'VYXYi hYbXY'F c`Y'gd]Y'Yb'_Ubb"<]Yf'\UVYb'nU'\fY]WXY
, !) \$!À\ f][Y'X]Y'A Ò[']W_Y]hž']\fYb''Ub[' [Y\Y[hYb'HfUi a 'j ca
6UbXgd]Y'ni 'j Yfk]f_]WXYb"

9]b 'DfcVYbfUi a 'j c`Yf'@Y]XYbgW UZh

⇒a 'DfcVYbfUi a 'XYf'GWxi 'Y'\YffgW'hY]bY'_fYUh]j Y'5ha cgd\ÀfYž
k À\ fYbX'X]Y'6UbX' 'Y \ a 'B Ò ']\fY'GhØW_Y'Y]bghi X]Yfh'' K c`h']\f
žFYgW Y'A Y 'bcWXY]ba U'gd]Y'Yb3 ž'ZfU[h'XYf'A i g]_WUW'D\']dd
GYb['Y'i bX'Yf\À'h'a]h'ni gh]a a YbXYa 'A i fa Y'b'XYf'<cVVm]ghYb
Y]bY'dcg]h]j Y'5bhk cfh"8]Yg'nY][h'XUg'9b[U[Ya Ybh'XYf
HY]'bY\ a Yfž'X]Y'b]W'h'bi f'XUg'A i g]n]YfYb'gY'Vgh''YfbYb'a ÒW'hYbž
gcbXYfb'Ui WXY [Ya Y]bgUa 'NY]h]j YfVf]b[Yb'k c`Yb"

B Yi Y '⇒bghfi a YbhYž'bYi Y

< YfUi gZc fXYfi b [Yb

J]Y`Y`A i g]_VY[Y]ghYfhY` \ UVYb`XYb`A i h[YZ] bXYbž`bYi Y
=ghfi a YbhY`Ui gni dfcV]YfYbž`i a `HY]`X]YgYf`; fi ddY`ni `k YfXYb`
9]b][Y` \ UVYb` =ghfi a YbhY` [Yk `À`hž`a]h`XYbYb`g]Y`b]W`h`a Y` \ f`]a
5`Y]b[Ub[`gd]Y`Yb``8]YgY`9fZU\fi b[Yb`g]bX`b]W`h`bi f
a i g]_U`]gW`ž`gcbXYfb`Ui W` Ya`ch]cbU`dfÀ[YbXž`XU`g]Y`X]Y
HY]`bY\`a Yf`Yfa i h][Ybž`ØVYf`g]W` \]bUi gni k UW`gYb`i bX`BYi Yg
ni `k U[Yb`

8]Y` [YgY`gW`UZh`]W`Y`6YXYi hi b[`X]YgYf =b]h]Uh]j Y

8]YgY`9bhk]W`_i b[`nY][h`Y]bY`Yfa i h][YbXY`HfYbXk YbXY`ZØf`À`hYfY
9fk UW`gYbYž`X]Y`cZhi`U`g`dUgg]j Y`?cbgi a YbhYb`j cb`?i `hi f
VYhfUW`hYh`k YfXYb``8Yf`Ni [Ub[`ni `A i g]_i bX`X]Y`9fa i h][i b[ž
U_h]j `ni ``YfbYbž`ZØfXYfh`b]W`h`bi f`_fYUh]j Y : `À\][_Y]hYbž`gcbXYfb
Ui W`XUg`gcn]U`Y`A]hY]bUbXYf``8]Y` A Ubb`Y]a Yf`F U_YhY `V]YhYh
gca]h`b]W`h`bi f`Y]bYb`FUi a `XYg`A i g]n]YfYbgž`gcbXYfb`Ui W`Y]bY
; Ya Y]bgW`UZhž`]b`XYf`g]W` ; `Y]W` [Yg]bbhY`Ui ghUi gW`Yb`_ØbbYb`

: Un]h

8]Y`=b]h]Uh]j Y`]b`A Ubb`Y]a `cZYZbVUfh`X]Y`hfUbgZcfa Uh]j Y`?fUZh`XYf
A i g]_ZØf`Y]bY`; YbYfUh]cbž`X]Y`cZhi`YfbUW``Àgg][h`k]fX``8i fW`X]Y
9fZU\fi b[Yb`i bX`X]Y : fYi XY`XYg` [Ya Y]bgUa Yb`A i g]n]YfYbg`nY][h
g]W`ž`XUgg`Yg`b]Y`ni `gd`Àh`]ghž`gY]bY`Hf`Ài a Y`ni `j Yfk]f`_]W`Yb``8]Y
A Ubb`Y]a Yf`F U_YhY `]gh`Y]b`6Y]gd]Y`XUZØfž`k]Y`ØZZYbh]W`Y
6]Xi b[gY]bf]W`hi b[Yb`X]Y`@VYbgei U`]h`Àh`À`hYfYf`A YbgW`Yb
j YfVYggYfb`_ØbbYb` `Xi fW`a i g]_U`]gW`Y`GY`VghYfZU\fi b[`i bX
Y]b`ghUf`_Yg`; Ya Y]bgW`UZh]g[YZØ` ``

6Ygi W\Yb`G]Y`i bg`Ui Z.`b!U["XY