

I bZU``a]h'E i UX']b' < Ufh\ U' '*) !>À\ f][Yf gWk Yf'j Yf`Yhnh

I bZU``a]h'E i UX']b' < Ufh\ U' '*) !>À\ f][Yf'gWk Yf'j Yf`Yhnh' ð
< Ufh\ U'g]bX'Ua 'GcbbhU['Y]b '*) ' >À\ fY' U`hYf'E i UXZU\ fYf'i bX
gY]b'' * ' >À\ fY' U`hYf'Gcn]i g'gWk Yf'j Yfi b['ØW_h'' ða 'BcggYbYf
CfhghY]'5i [i ghi gVYf['k UfYb'\]b[Y[Yb'8]YgY'!8]YVY'Ua
K Yf_'9]b '*) ' >À\ fY' U`hYf'E i UX!: U\ fYf'j Yf`YhnhY'g]Wk'VY]
Y]bYa 'I bZU``Ua 'GcbbhU[']b' < Ufh\ U'gWk Yf''8]Y
: 'Ya a]b[YbYf'GhfU» Y']b'F]Wk hi b[' : fØbXYbVYf[Yf'GhfU» Y
VYZ \f'XYf'*) !>À\ f][Y' [Y[Yb'%%'I \f''8UVY]'_Ua 'Yf'a]h'XYa
E i UX'ni bÀWgh'bUWk 'fYWkg'j cb'XYf': U\ fVU\ b'UV'i bX
_c``]X]YfhY'XUbb'a]h'Y]bYa 'NUi b''8UbUWk '[Yf]Yh'XUg'E i UX
bUWk ``]b_gž_]ddhY'Ui Z]X]Y': U\ fnYi [gY]hY'i bX'_c``]X]YfhY'a]h
Y]bYf' < Ui gk UbX''8Yf'E i UX!: U\ fYf' / Ua d^Y``]d/

I bZU``a]h'E i UX']b' < Ufh\ U' '*) !>À\ f][Yf gWk Yf'j Yf`Yhnh

ðb' < Ufh\ U'g]bX'Ua 'GcbbhU['Y]b '*) ' >À\ fY' U`hYf
E i UXZU\ fYf'i bX'gY]b'' * ' >À\ fY' U`hYf'Gcn]i g'gWk Yf
j Yfi b['ØW_h'' ða 'BcggYbYf' CfhghY]'5i [i ghi gVYf[
k UfYb'\]b[Y[Yb'8]YgY'!8]YVY'Ua 'K Yf_'

9]b '*) ' >À\ fY' U`hYf'E i UX!: U\ fYf'j Yf`YhnhY'g]Wk'VY]Y]bYa 'I bZU``Ua
GcbbhU[']b' < Ufh\ U'gWk Yf''8]Y: 'Ya a]b[YbYf'GhfU» Y']b'F]Wk hi b[
: fØbXYbVYf[Yf'GhfU» Y'VYZ \f'XYf'*) !>À\ f][Y' [Y[Yb'%%'I \f''
8UVY]'_Ua 'Yf'a]h'XYa 'E i UX'ni bÀWgh'bUWk 'fYWkg'j cb'XYf'
: U\ fVU\ b'UV'i bX'_c``]X]YfhY'XUbb'a]h'Y]bYa 'NUi b''8UbUWk '[Yf]Yh
XUg'E i UX'bUWk ``]b_gž_]ddhY'Ui Z]X]Y': U\ fnYi [gY]hY'i bX'_c``]X]YfhY
a]h'Y]bYf' < Ui gk UbX''8Yf'E i UX!: U\ fYf'i bX'gY]b'Gcn]i g'fl '* Ł
k i fXYb'nk]gWkYb': U\ fnYi ['i bX'XYf' < Ui gk UbX'Y]b[Y_'Ya a h''8Yf
'*) !>À\ f][Y'Yf']h'gWk YfY'j Yf`Yhni b[Yb''8Yf'Gcn]i g'k i fXY''Y]Wk h

j Yf`Yhnh" `9g`YbhghUbX`GUW\gW\UXYb`j]b`<Ò\Y`j`cb`]bg[YgUa`h`Yhk`U`
*")`\$\$`9i`fc"

⇒B`cggYb`k`i`fXY`Y]b`@_k`J`c`j`c`ni`a`N]Y`j`cb`8]YgY`!8]YVYb`"
l`bVY`_UbbhY`ÒZbYhYb`a`]h`Y]bYa` ;`Y[YbhghUbX`XYb`HUb`_XYW`_Y`
i`bX`nUdZhYb`Wjfw`*`\$\$`@]hYf`8]YgY`_fUZhghc`ZZ`UV``8`Yf`@UghYf`ghUbX`
Ui`ZY]bYa`5i`hc`cZ`Ub`XYf`6`%\$%`]a`B`cggYbYf`C`fhghY]`
5i`[`i`ghi`gVYf[``8]Y`8]YVY`k`UfYb`Xcfh`nk`]gW\Yb`GcbbUVYbXž`-`I` \`f`
i`bX`GcbbhU[`U_h]j``9g`YbhghUbX`Y]b`GhY`\`gW\UXYb`j`cb`Yhk`U`%`&\$\$`
9i`fc``GUW\gW\UXYb`YbhghUbX`Ui`[`YbgW\Y]b`]W`b]W\h`8]Y`Dc`]nY`
Yfa`]hhY`h"

8YhU]`g

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