

?Ua U`U'<Uff]g.'9]bY'<YfUi gZcfXYfi b['ZØf X]Y'8Ya c_fUhYb'VY]'XYf'_ca a YbXYb K U\`

9fZU\fYb'G]Y']b'X]YgYa '5fh]_Y`ž'k]Y'X]Y'8Ya c_fUhYb
j Yfgi W\Ybž'Y]bYb'G]Y['j cb'8cbU`X'Hfi a d'VY]'XYb'K U\`Yb
ni 'j Yf\]bXYfb'i bX'k Y`W\Y'Fc``Y'? Ua U`U'<Uff]g'XUVY]'gd]Y`h"
Ni g\(\hat{A}\n\)]W\'k]fX'VY`Yi W\\hYhz'cV'X]Y'8Ya c_fUhYb'fYW\\hnY]h][
X]Y'f]W\(\hat{h})[Yb'K Y]W\\Yb'[YghY``h'\UVYbž'i a 'Y]bY
\(\OmegaVYfnYi [YbXY'5`\hYfbUh]j Y'ni 'Hfi a d'ni 'V]YhYb'''@YgYb'G]Y
\(a Y\f'XUf\OmegaVYf']b'X]YgYa 'gdUbbYbXYb'5fh]_Y`''



: ØbZ'bUW\ 'nk Ò`Z' '≈Y'6]XYbg'FØW_ni ['Ui g XYa 'I G!K U\`_Ua dZ'i bX'X]Y'Ni _i bZh'XYf 8Ya c_fUhYb

8Yf'FØW_ni ['j cb'l G!DfÀg]XYbh'x€Y'6]XYb'Ui g'XYa 'K U\`_Ua dZ

k Uf``YhnhYbX`]W\`_Y]bY`, VYffUgW\i b[`a Y\f"'=a a Yf`k Yb][Yf
A YbgW\Yb`_cbbhYb`g]W\`j cfghY``Ybž`XUgg`6]XYb`gY]bYb
K U\`_Ua dZ'V]g`Bcj Ya VYf`Xi fW\n]Y\hi bX`bcW\`XUni `YfZc`[fY]W\
]gh"`Bi b`ghY``h`g]W\`ZØf`X]Y`8Ya c_fUhYb`X]Y`YbhgW\Y]XYbXY`: fU[Yž
k]Y`q]Y`Y]bYb`G]Y[`j cb`8cbU`X`Hfi a d`j Yf\]bXYfb`_ÒbbYb"

9]bY'a Ò[`]W\Y'@Ògi b['gW\Y]bh']b'J]nYdfÀg]XYbh]b'?Ua U`U'<Uff]g ni '`]Y[Yb"'5``YfX]b[g'gd]Y`hY'g]Y'V]g\Yf'Y]bY'Y\Yf'[Yf]b[Y'Fc``Y']a K U\`_Ua dZ'i bX'\Uh'bUW\'j]Yf'\\Y\fYb'Ub'6]XYbg'GY]hY'bcW\'_Y]b Y][YbghÀbX][Yg'dc`]h]gW\Yg'DfcZ]`'Ybhk]W_Y`h"'Jcf'U``Ya 'ZY\`h'Yg']\f Ub', VYfnYi [i b[g_fUZh'VY]'XYb'j]Y`Yb'A YbgW\Yb'Ui g'XYf'I bhYf! i bX'A]hhY`gW\]W\hž'X]Y'Hfi a dg'DUfc`Y' A U_Y'5a Yf]WU'[fYUh U[U]b 'a UggYb\UZh'i bhYfghØhnYb"

9gʻ]ghʻ_Y]bʻNi ZUʻʻžXUggʻ6Yfb]YʻGUbXYfgž'X]Yʻ=_cbYʻXYf
XYa c_fUh]gWXYbʻ@]b_Ybžʻ_Øfn`]WXʻbcWXʻUi Zʻ6]XYbʻ[YgYhnhʻ\Uh''
GUbXYfgʻ]ghʻXYfʻA Y]bi b[žXUggʻ6]XYbʻY\YfʻX]YʻhfUX]h]cbYʻʻYb
K À\ʻYfgWX]WXhYbʻXYfʻ8Ya c_fUhYbʻYffY]WXYbʻ_UbbžʻX]YʻYXcWX
`Ub[gUaʻni 'VfÒW_Y`bʻVY[]bbYb''<]Yf`k]fX`<Uff]gʻGWXk]Yf][_Y]hYb
\UVYbžʻgWXbY``; `Ui Vk ØfX][_Y]h'Ui Zni VUi Yb''6YgcbXYfgžʻXU
Hfi a dʻa]hʻ>''8'''J UbWʻY]bYbʻJ]nY_UbX]XUhYbʻUi g[Yk À\`hi\UhžʻXYf
gY`VghʻUi gʻXYfʻi a k cfVYbYbʻI bhYfgWX]WXhʻghUa a hžʻXYb
Ua Yf]_Ub]gWXYbʻHfUi a ʻj ca ʻ5i Zgh]Y['Ui gʻY][YbYfʻ?fUZh
j Yf_ÒfdYfh'i bXʻX]YgYbʻa]h'Y]bYfʻYfZc`[fY]WXYb
I bhYfbY\a Yf_Uff]YfY'i bhYfa Ui Yfh`\Uh''

HfchnXYa `\UVYb`X]Y`8Ya c_fUhYb`]a a Yf`bcW\`X]Y`7\UbW\ž
XU[Y[Ybni\U`hYb"8]YgY`7\UbW\`k ÀfY`YXcW\`[fÒ»Yf`[Yk YgYbž
k Ybb`g]Y`fYW\hnY]h][`X]Y`K Y]W\Yb`ZØf`X]Y`Ni _i bZh`[YghY``h`\ÀhhYb"
J cf`U``Ya `]b`XYb``YhnhYb`j]Yf`*J\\fYb`\ÀhhYb`g]Y`g]W\`ghÀf_Yf`i a
Y]bY`ØVYfnYi [YbXY`5`hYfbUh]j Y`ni `Hfi a d`i bX`gY]bYa
bUh]cbU`]gh]gW\!fYU_h]cbÀfYb`dc`]h]gW\Yb`GmghYa `VYa Ø\Yb
a ØggYb"`8Yf'j YfgdÀhYhY`F ØW_ni [`j cb`6]XYb`]gh`gca]h`bi f`Y]b
k Y]hYfYg`Gma dhca `ZØf`X]Y`A]gYfY`XYf`8Ya c_fUhYb"
A Ò[`]W\Yfk Y]gY`]gh`Yg`ZØf`q]Y`VYfY]hq`ZØbZ`bUW\`nk Ò`Z'

 $9g'V'Y]Vh'UVnikUfhYbž'k]Y'X]Y'8Yac_fUhYb'bib']\fYb'KU\`_UadZZcfhZØ\fYb'ibX'cV'g]Y'Yg'gWXUZZYbž'X]Y'KÀ\`YfaUggYb'ni$

ØVYfnYi [Yb"8]Y'Ni _i bZh'XYf'DUfhY]'ghY\h'Ui Z'XYa 'Gd]Y`'i bX'Yg
`]Y[h'Ub']\bYbž'X]Y'f]W\h][Yb'9bhgW\Y]Xi b[Yb'ni 'hfYZZYbž'i a 'Y]bYb
YfbYi hYb'G]Y['j cb'Hfi a d'ni 'j Yf\]bXYfb"

8 Y hU]`(

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