

8 Ug F Y b b Y b 'i a '6]hWc]b ']gh 'Y]b Y ': f U[Y X Y f 'b Uh]c b U `Y b 'G]WX Y f \ Y]h 'f A Y]b i b [Ł

8]Y:]bUbna Àf_hY: ZØf'U``Ygž'Y]bgW\`]Y»`]W\'? fmdhcž'V`Y]VYb']b'XYf
DUi gYž'k À\fYbX'k]f'X]Y'YfghY'K cW\Y'XYg'\J\fYg'\&\\'a Uf_]YfYb"
\(\psi\X\)YgYf'NY]h'XYf'[`cVU`Yb'k]fhgW\UZh`]W\Yb'I bg]W\Yf\Y]h'\U`hYb
X]Y'A YbgW\Yb']\f'; Y`X'ni f@W_"'5i g'X]YgYa ; fi bX'k]fX'Yg'ZØf
FY[]Yfi b[Yb']a a Yf'k]W\h][Yfž']\fY'6]hWc']b']b'XYf'BÀ\Y'ni '\U`hYb"

 $8 \ Yf' DfY]g'j \ cb'6]hWc]b'VYk \ Y[hY'g]Wk'bUWk'XYf'J \ YfOZZYbh`]Wk ib[XYg'bYi YghYb'GhY``YbVYf]Wk hg'_Ui a "'9g'VYk Y[hY'g]Wk'i a 'k Yb][YfU`g'Y]b'DfcnYbh'i bX'\]Y`h'g]Wk'ØVYf'%*"-$$'` ž'XU'X]Y' <math>\approx$ VXUhYb k Y]hYfY'N]bgYf\O\i b[Yb'bU\Y`Y[hYb"

6]hWc]b^]gh^VYfY]hž^XUg^ df]a ÀfY^a cbYhÀfY ; i h ^XYf^K Y`h^ni ^k YfXYb

@UggYb'k]f'X]Y'Gcf[Yb'XYf'5b`Y[Yf'ØVYf'XYb'?fmdhc!DfY]gk]bhYfZØf'Y]bYb'AcaYbh'VY]gY]hY'i bX'VYhfUW\hYb'k]f'X]Y'FYU`]hÀh'j cb

:]XY`]hm`±j Ygha Ybhg`\à`h`6]hWc]b`b]Wkh'bi f`ZØf`Y]bY`g]WkYfYfY`i bX k]XYfghUbXgZà\][YfY`?fmdhck à\fi b[`U`g`X]Y`a Y]ghYb`gY]bYf ?cb_i ffYbhYbž'gcbXYfb`[]Vh`]b`gY]bYa `6Yf]Wkh'Ui Wk`X]Y`A Y]bi b[XYf`6Ub_`k]YXYfž'XUgg`6H7`X]Y`9][YbgWkUZhYb`i bX`X]Y Dcg]h]cb]Yfi b[`\Uhž'i a `XUg` df]a ÀfY`; Y`X[i h `XYf`K Y`h'ni k YfXYb"

 $6] hWc]b''] gh'b]Wk h'bi f'']Yfž'i a 'ni 'V'Y]VYbž'gcbXYfb'k]fX''] a '@Ui ZYXYg'*JU\fnY\bhg'a Y\f'[`cVU`Y'FYgYfj Yb'i bhYfa Ui Yfb''' 8 Ug'k]fZhYfbgh\UZhY'6YXYb_Yb'i bX'7\UbW'b'ZØf'X]Y'bUh]cbU`Y'G]Wk Yf\Y]hXYf'I G5'i bX'ZØf'X]Y'U``Yf'[fc<math>_$ Yb'K Y`ha ÀWkhY']b'XYf]bhYfbUh]cbU`Yb'< Y[Ya cb]Y'Ui Z''

$6YhY]^{[i]}[ib[XYf^BUh]cbU^Yb^G]WXYf^Y]h^UbXYf^HY]^bU^aY^Ua^6]hWc]b!FYbbYb$

K]fighY\Ybi_i fnij cfiY]bYa ik]WXh][YbiK YbXYdi b_hi]biXYf; YgWX]WXhYij cbi6]hWc]b"BUWXi%(id)\fYbiXYgi[fc>Ybi9]dYf]a Ybhgk]fXiYgi\Yi hYij cbihYWXb]gWXYbi: UWXiYi hYbii bX 6fUbWXYb]bj YghcfYbiUigiUi g[YfY]ZhYiHYWXbcic[]YdiUhhZcfaj YfghUbXYb"i9fi\UhigY]bYiG]WXYf\Y]hii bXiNi j YfiAgg][_Y]h VYk]YgYbii bXighUdYihigY]hibi ba Y\fi%(id)\fYbic\bY IbhYfVfYWXib[iUinyYnY\biA]bi hYbiY]bYbibYi Ybi6icW"

8]Y 'A Àf_hY 'VY[]bbYbž'X]YgY 'bYi Y 'FYU`]hÀh'XYf'GhUV]`]hÀh'i bX 'XYg
5i Zgh]Y[g'j cb'6]hWc]b']b'XYf'K Y`hZ]bUbn'k]XYfni gd]Y[Y`b"'8Yf
6]hWc]b!DfY]g'k Y]gh'Y]bY'\]ghcf]gWX 'b]YXf][Y'J c`Uh]`]hÀh'Ui Z'
K À\fYbX'HfUXYfž'X]Y'j cb'hi fVi `YbhYb'A Àf_hYb'dfcZ]h]YfYbž'X]Yg
a Ò[`]WXYfk Y]gY'b]WXh'gc']bhYfYggUbh'Z]bXYbž'hfYhYb' \$gh]hi h]cbYb
i bX'FY[]Yfi b[Yb'U`g'BÀWXghYg'Ubž'i a 'ni 'gWX`U[Yb"

K Ybb'X]Y'JcfgW\f]ZhYb'_`UfYf'k YfXYbž'a ØggYb'X]Y'I G5']\f [YgUa hYg'Ui »Ybdc`]h]gW\Yg'\Dghfi a YbhUf]i a 'ØVYfXYb_Yb"

5bXYfY 'gci j YfÀbY 'B Uh]cbYb 'VYY] `Yb 'g]W\ ž']b 'XUg '6]hWc]b!FYbbYb Y]bni ghY][Yb" '9` 'GU`j UXcf']gh'i bhYf']\bYb 'Ua VYa Yf_Ybgk YfhYghYbž'i bX 'UbXYfY']b 'A]hhY`Ua Yf]_U"

±b']\fYa 'bYi YghYb'8c_i a Ybh'ni f'BUh]cbU`Yb'G]W\Yf\Y]hgghfUhY[]YfBGGŁ'gU[h'X]Y'6]XYb!5Xa]b]ghfUh]cb.

K]f'k YfXYb'X]Y'JcfnØ[Y'i bhYfgi W\Yb'i bX'X]Y'9bhk]W_i b[X][]hU'Yf'JYfa Ò[Ybgk YfhYž'Y]bgW\']Y»`]W\'Y]bYg'X][]hU'Yb'8c``Ufgža]h'\c\Yb'GhUbXUfXg'i bX'GW\i hna U» bU\a Yb'ZØf'GhUV]`]hÀhž8UhYbgW\i hn'i bX'G]W\Yf\Y]h'j YfUbhk cfhi b[gVYk i gghjcfUbhfY]VYbži a 'Y]bYa 'ghUf_Yb'i bX']bhY[fUh]j Yb'l G!:]bUbngmghYa 'ni [i hY'ni '_ca a Yb'i bX'gY]bY'[`cVU'YJcffUb[ghY``i b['ni 'ghÀf_Yb"

8 Ugʻk]fX`]a 'bÀW\ghYb`\J\fnY\bh`k]W\h]['gY]b"'8Yf'8c``Uf`k]fX
b]Ya U`gʻU`gʻk]W\h][YʻK Y`hfYgYfj Yʻj YfgW\k]bXYb"'9gʻ]ghini 'ghUV]`ž
ni '_cbj Ybh]cbY```i bX`k]fX`j cb`XYb`J YfY]b][hYb`GhUUhYb
i bhYfghØhnh"'5VYf`j]Y`Y`HY]`Y`XYf`K Y`h'j YfZc`[Yb`U_h]j 'Y]bY
9bhXc``Uf]g]Yfi b[gdc`]h]_ž'j cb`XYf`Yg`]a ``YhnhYb`\J\f\i bXYfh`bcW\b]Y`Yhk Ugʻ[Y[YVYb`\Uh"

8]Y'I G5'_ÒbbYb']\fY'[`cVU`Y'8ca]bUbn'i bX'FY`Yj Ubn'Ui Z'XYa B]j YUi 'XYg'&\$"'\\f\i bXYfhg'bi f'VYk U\fYbž']bXYa 'g]Y'g]W\'XYa 6]hWc]b!FYbbYb'i a '<Ug\!Dck Yf'i bX'6H7'UbgW\`]Y»Yb"

. . .

8 Y hU]`a

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. '_fmd hc!bYk g"Uh