

GWX k YfYf'l bZU``'Ui Z'l G'&++.'5``Y : U\fgdi fYb'V`cW_]Yfh°

9fZU\fYb'G]Y'a Y\f'ØVYf'X]Y'Fc``Y'XYf'≈i fbU`]ghYb']b'XYf ; YgY``gW\UZhž']\fY'JYfUbhk cfhi b['i bX'X]Y'6YXYi hi b['Y]bYf i bUV\Àb[][Yb'A YX]Yb`UbXqW\UZh"



JYf_Y\fgghÒfi b[Yb'i bX'G]WXYf\Y]hgj cf_Y\fi b[Yb

8]Y 5i gk]f_i b[Yb XYg I bZU g gb X XYi h]W gd Øf V Uf " 5i hc ZU \ fYf

a ØggYb'a]h``Àb[YfYb'K UfhYnY]hYb'fYW\bYbž'XU'X]Y
5i ZfÀi a UfVY]hYb'NY]h']b'5bgdfi W\'bY\a Yb''; `Y]W\nY]h][
UddY``]YfYb'X]Y'CfXbi b[g\ØhYf'Ub'U``Y'JYf_Y\fghY]`bY\a Yfž
j cfg]W\h]['ni 'ZU\fYb'i bX'g]W\'Ub'VYghY\YbXY'JYf_Y\fgfY[Y`b'ni\U`hYb'''9g'`]Y[h'b]W\h'bi f']b'XYf'JYfUbhk cfhi b['XYf': U\fYfž
gcbXYfb'Ui W\']b'XYf'XYf'FYdcfhYfž'ØVYf'gc`W\Y'JcfZ\`Y'ZU]f'i bX
]bZcfa Uh]j'ni 'VYf]W\hYb''GW\`]Y\')W\'Z b[]YfYb'\&i fbU`]ghYb'U`g
\DZcfa Uh]cbgj Yfa]hh`Yf'i bX'hfU[Yb'a U\[YV']W\'ni f'6]`Xi b['Y]bYf
Ui Z[Y_`AfhYb'^2 ZZYbh`]W_Y]h'VY]''K]Y'K]ggYbgW\fcb]_'Uba Yf_hž
g]bX'g]Y'XUZØf'j YfUbhk cfh`]W\Z'\DZcfa Uh]cbYb'k U\f\Y]hg[Ya A\"Ui Zni UfVY]hYb'i bX'cVY_h]j'ni 'V'Y]VYb''

A YX]Yb i bX J YfUbhk cfhi b[

DY]bYa [i hYb '£i fbU']ga i g'_ca a h'Yg'XUfUi Z'Ubž'k]Y'X]Y

DZcfa Uh]cbYb 'dfÀgYbh]Yfh'k YfXYb"'9]bY'Ui g[Yk c[YbY

6Yf]WXhYfghUhhi b['_Ubb'b]WXh'bi f'XUg'J YfghÀbXb]g'ZØf'X]Y

YgWXY\b]ggY'ZÒfXYfbž'gcbXYfb'Ui WX'8]g_i gg]cbYb']bbYf\U'V'XYf

YgY'`gWXUZh'UbfY[Yb"; 'Y]WXnY]h]['a ØggYb'£i fbU']ghYb'_f]h]gWX

V'Y]VYb'i bX']\fY'Ei Y'`Yb'gcf[ZÀ`h]['dfØZYb"'6Y]'gYbg]V`Yb'H\Ya Yb

k]Y'J Yf_Y\fgi bZÀ``Yb']gh'Yg'VYgcbXYfg'k]WXh][ž'X]Y'Yh\]gWXYb

fi bXgÀhnY'XYg'£i fbU`]ga i g'ni 'k U\fYb'i bX'XYf'² ZZYbh`]WX_Y]h

a]h'FYgdY_h'ni 'VY[Y[bYb"

8 UgʻN]Y`XYfʻA YX]Ybžʻ]bgVYgcbXYfYʻXYfʻxci fbUʻ]ghYbž']gh'YgžʻY]bY

J]Y`nU\`ʻj cbʻDYfgdY_h]j Ybʻni ʻdfÀgYbh]YfYbʻi bXʻgca]hʻXYb

Dʻi fUʻ]ga i gʻni ʻZÒfXYfb"'8Ybbʻbi fʻgcʻ_UbbʻY]bʻUi g[Yk c[YbYg

A Y]bi b[gV]`X`YbhghY\Yb"'± X]YgYa ʻNi gUa a Yb\Ub[ʻ\YVhʻX]Yʻ

6i bXYgnYbhfU`YʻZØfʻdc`]h]gWXYʻ6]`Xi b[ʻ\Yfj cfž'k]Yʻk]WXh][ʻYg

]ghžØVYfa À»][Ybʻ9]bZi ggʻY]bnY`bYfʻ5_hYi fYʻUi ZʻX]YʻÒZZYbh']WXY

A Y]bi b['ni 'j Yf\]bXYfb"'6YgcbXYfgʻ]bʻY]bYfʻNY]hž'X]Yʻj cb

a YX]YbØVYf[fY]ZYbXYbʻ< YfUi gZcfXYfi b[Ybʻ[YdfÀ[hʻ]ghž']ghʻX]Yg

j cbʻnYbhfU`Yfʻ6YXYi hi b["

 $Ni = \emptyset b Zh [Y'9bhk]W_i b[Yb'ibX' < YfUigZcfXYfib[Yb]$

 $8]Y ZcfhgWX fY]hYbXY 8][]hU`]g]Yfi b[`i bX`XYf`K UbXY`]b`XYf A YX]Yb`UbXgWX UZh`YfZcfXYfb'j cb`<math>\approx$ i fbU`]ghYb`Y]bY`ghYh][Y

±0 'NY]hYb'k]Y'X]YgYb'_Ubb''YXYf'9]bnY`bY'XUni 'VY]hfU[Ybž'Y]bYb_cbghfi_h]j Yb'8]U`c['ni 'ZØ\fYbž']bXYa 'Yf'ei U`]hUh]j Y'A YX]Yb_cbgi a]Yfh'i bX'g]W\'ØVYf'U_hi Y``Y'9fY][b]ggY']bZcfa]Yfh''
≈i fbU`]ga i g'V`Y]Vh'i bj Yfn]W\hVUf' 'b]W\h'bi f'U`g'_f]h]gW\Yf
KÀW\hYf'XYf'8Ya c_fUh]Yž'gcbXYfb'Ui W\'U`g'Y]b'A]hhY`ž'X]Y
; YgY``gW\UZh'ni ']bZcfa]YfYb'i bX'ni 'j YfV]bXYb''

8 YhU]`g	
Cfh	HYad`]bž'8YihgWX`UbX
EiY``Yb	gUbUb[Y`c`]j Y"Wcak]ggYbgW\ fcb]_"XYk k k "VdV"XY

6Ygi WXYb G]Y i bg Ui Z. bU[!VfUbXYbVi f["XY