

Fc``UhcfhUbn'ZØf'GYb]cfYb.':]h'i bX : fÒ\`]W\']a 'GYb]cfYb_`i V'@]bXYbi ZYf

9f`YVYb`G]Y`UV`XYa`&*"`GYdhYa VYf`&\$&(`Fc``UhcfhUbn`]a GYb]cfYb_`i V`@]bXYbi ZYf`]b`6Yf`]b!GdUbXUi °'HUbnYb`G]Y`a]h ⇒fYa`Fc``Uhcfž`ghÀf_Yb`G]Y`⇒fY`; Ygi bX\Y]hi bX`ZÒfXYfb`G]Y ⇒fY`6U`UbWY"`?cghYb`cg`i bX`i bhYf`5b`Y]hi b[`Y]bYf GdcfhhfU]bYf]b"'≯hnh`Uba Y`XYb°

8]Y'6YXYi hi b['XYg'Fc``UhcfhUbnYg'ZØf'X]Y GYb]cfYb']b'6Yf`]b!GdUbXUi

"=a '6Yf`]bYf`GhUXhhY]``GdUbXUi 'YfÒZZbYh`XYf`GYb]cfYb_`i V
@]bXYbi ZYf`Y]b 'gdUbbYbXYg`bYi Yg`5b[YVch 'UV 'XYa '&*"
GYdhYa VYf`&\$&('k]fX'\]Yf`Fc``UhcfhUbn`ZØf`À`hYfY`A YbgW\Yb
Ub[YVchYb"`8]YgYf`]bbcj Uh]j Y`5bgUhn`V]YhYh`b]W\h`bi f
I bhYf\U`hi b[ž'gcbXYfb`\Uh'Ui W\h]YZ[fY]ZYbXY`5i gk]f_i b[Yb`Ui Z
X]Y`; Ygi bX\Y]h'i bX`XUg`K c\`VYZ]bXYb`XYf`HY]`bY\a YbXYb"``

Fc``Uhcf'U`g'@YVYbg[YZÀ\fhY

 $\label{thm:condition} \begin{align*} \begin{align$

K c\`VYZ]bXYb'i bX'GY`VghVYk i gghgY]b

ghÀf_Yb

"BYVYb'XYb'd\mg]gWXYb'JcfhY]`Yb'\Uh'XYf'Fc``UhcfhUbn'Ui WXdcg]h]j Y'9ZZY_hY'Ui Z'X]Y'dgmWX]gWXY'; Ygi bX\Y]h"'8Ug
Ni gUa a YbgY]b']b'; fi ddYb'i bX'X]Y'6Yk Y[i b[Yb'ni a 'HU_h'XYf A i g]_'_ObbYb'XUg'GY`VghVYk i gghgY]b'i bX'X]Y'@YVYbgZfYi XY'XYf HY]`bY\a YbXYb'Yf\YV`]WX'ghY][Yfb"'8]Yg']gh'[YfUXY']b'XYf'À`hYfYb 6Yj O`_Yfi b['j cb'6YXYi hi b['ž'XU'9]bgUa _Y]h'i bX'gcn]U`Y'=gc`Uh]cb\Ai Z]['j cf_ca a Yb"''

8 YhU]`g`ni f'J YfUbghU`hi b[

"8 Yf F c``UhcfhUbn`k]fX j cb Y]bYf YfZU\fYbYb GdcfhhfU]bYf]b [YY]hYhi bX Z]bXYh YXYb 8 cbbYfghU[j cb '%* .\$\$ 'V]g '%* .() 'I \f']a GYb]cfYb_`i V @]bXYbi ZYf ghUhh" 8 Yf Ni [Ub['ni 'X]YgYa '5b[YVch]gh_cghYbZfY]ž'k Ug Yg ZØf j]Y`Y 'GYb]cfYb 'UhhfU_h]j 'a UW\h" \=bhYfYgg]YfhY '_ObbYb 'g]W\ 'UV 'XYa '- "'GYdhYa VYf '&\$&('Uba Y`XYb i bhYf XYf 'HY 'YZcbbi a a Yf '\$' \$# ' '*\$'+*'%('cXYf 'dYf '9!A U]`'Ub UbXfYU"ZcYfghYf4 VU!gdUbXUi "VYf`]b"XY""

9]b GWX f]hh]b F]WX hi b[=bhY[fUh]cb

 $\begin{tabular}{ll} $ & Ug'5b[YVch'XYg'Fc``UhcfhUbnYg']gh'Y]b'HY]``XYf'6Ya \varnothing \ib[Yb XYg'6Yn]f_gUa hYg'GdUbXUi ž'gYb]cfYbZfYi bX`]WXY : fY]nY]hU_h]j]hÀhYb'ni 'ZÒfXYfb''' <math>\pm$ b'Y]bYf'NY]hž']b'XYf'X]Y ; YgY``gWX UZh'À`hYf'k]fX'i bX'j]Y`Y'À`hYfY'A YbgWXYb'bUWX A Ò[`]WX_Y]hYb'gi WXYbž'U_h]j 'ni 'V`Y]VYbž'ghY``h'X]YgYg'Dfc[fUa a Y]bYb'k Yfhj c``Yb'6Y]hfU['ZØf'X]Y'; Ya Y]bgWX UZh'XUf'''8 Ug'5b[YVch ZÒfXYfh'b]WXh'bi f'X]Y'; Ygi bX\Y]hž'gcbXYfb'hfÀ[h'Ui WX'ni f \pm bY[fUh]cb'i bX'gcn]U'Yb'HY]`\UVY'À`hYfYf'6Øf[Yf'VY]'''' }

.

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'a Y]b!VYf`]b "bYh