

5a dY`!?cU`]h]cb`Yfn]Y`h'9]b][ib[`nia <Uig\U`hgYbhkifZ'&\$&)`!`8YhU]`g`V`Y]VYb cZZYb

8]Y 5a dY`!?cU`]h]cb`\Uhig]W\`Ui Z'Y]bYb`<Ui g\U`hgYbhk i fZ
[YY]b][hžXcW\`V`Y]VYb`Nk Y]ZY``ni f`GYf]cg]hÀh`XYf

:]bUbn]Yfi b["'9g`ZY\`Yb`8YhU]`g`ni `GdUfa U» bU\a Yb`i bX`Yg
VYghY\h`X]Y`; YZU\f`Y]bYf`JYfgW\]YVi b['j cb

<Ui g\U`hgVY`Ughi b[Yb']b`X]Y`Ni _i bZh"8]Y`9]b\U`hi b[`XYf
GW\i`XYbVfYa gY`i bX`X]Y`I a gYhni b[`XYf`Jcf[UVYb`XYg
JYfZUggi b[g[Yf]W\hg`g]bX`ZfU[`]W\"`Ni XYa `k]fX`X]Y

GW\i`XYbVfYa gY`ni bY\a YbX`[Y`cW_Yfh"'9fZU\fYb`G]Y`a Y\f
ni `XYb`U_hi Y``Yb`<YfUi gZcfXYfi b[Yb`XYg
<Ui g\U`hgYbhk i fZg`&\$\&)"



DYhYf'6cY\f]b[Yf.'8]Y'jYf_ØbXYhY'9]b][ib[nia'<Uig\U`h'aigg'g]W\']a'<YfVgh'YfghbcW\'U`g'hfU[ZÀ\]['YfkY]gYb

⇒ 'XYf'BUW\h'\Uh'X]Y'5a dY`!?cU`]h]cb'Y]bY'[fi bXgÀhn`]W\Y

9]b][i b['ØVYf'XYb'<Ui g\U`hgYbhk i fZ'ZØf'&\$&) 'Yfn]Y`h"'9g'k i fXY

cZZ]n]Y``'Ub[Y_ØbX][hž'XUgg'X]Y'GW\i`XYbVfYa gY'Y]b[Y\U`hYb'k]fX"

8]Y'[YbUi Yb'8YhU]`g'k i fXYb'YXcW\'bcW\'b]W\h'j YfÒZZYbh`]W\h'

</p>

8]YgY'k YfXYb'Yfgh']a '<YfVgh'k À\fYbX'XYf'<Ui g\U`hgVYfUhi b[YbVY_Ubbh'[Y[YVYb"'9g'V`Y]VYb'XU\Yf'Nk Y]ZY`ž'cV'X]YgYf'<Ui g\U`hk]f_`]W\'gYf]Òg'Xi fW\Z]bUbn]Yfh']gh"'8]Y'9]b][i b['_Ua 'i bhYfYf\YV`]W\Ya '8fi W_'ni ghUbXYž'bUW\XYa 'X]Y'5a dY`_cU`]h]cb'ni j cfa cbUhY`Ub['fUh`cg'i bX'nYfghf]hhYb'k Uf"

9gʻ]ghʻbc Wʻ i b_`Ufʻzʻk cʻ[YbUi X]YʻFY[]Yfi b[X]YʻYfZcfXYfʻ]W\Yb
9]bgdUfi b[Ybʻj cf[Ybca a Ybʻ\UhʻzXUʻ\]Yfni ʻbc Wʻ_Y]bY

\$\(\frac{1}{2}\) cfi]Y[Ybʻ''GhUhhXYggYbʻ[UVʻYgʻ'YX][`]W\'Uʻ`[Ya Y]bY

5i ggU[YbʻXUfØVYfʻzʻk cʻb]W\hi[YgdUfhʻk YfXYbʻgc``''9gʻ]ghʻUi W\
\(\frac{1}{2}\) Zco XʻX]Yʻ[YdʻUbhYbʻ9]bgdUfi b[Ybʻ]bʻA]``]UfXYb\O\Y

\(\cdows fYh]g]Yfhʻk YfXYbʻ_ObbYbʻ''9gʻ[]VhʻYf\YV`]W\YʻF]g]_YbʻzXUgg

X]Yʻ5i g[UVYbʻzX]Yʻ]bʻX]YgYa '\d\frac{1}{2}\\frac{1}{

9VYbZU``g'V`Y]Vh'UVni k UfhYbž'cV'X]Y'?cU`]h]cb'X]Y
GWXi `XYbVfYa gY']b'X]YgYa '<Ui g\U`h'hUhgÀW\`]W\'Y]b\U`hYb'k]fXž
]bXYa 'g]Y'X]Y'Jcf[UVYb'XYg'JYfZUggi b[g[Yf]W\hg'i a gYhnh"'=a

*J\f'&\$&('kifXY'X]Yg'Y]bXYih]['b]W\h'YffY]W\h"'9g']gh
k U\fgW\Y]b`]W\Yfž'XUgg'X]Y'FY[]Yfi b['j Yfgi W\Yb'k]fXž'X]Y

Gd]Y`fÀi a Y'XYf'GW\i `XYbVfYa gY'bcW\'k Y]hYf'Ui gni gW\OdZYb"

8 YfnY]h'k]fX'[YdfØZhž'cV'8 Uf`Y\Ybgj Yf[UVYb'Ub

Df]j Uh[YgY``gW\UZhYb'ni_ØbZh]['ni gÀhn`]W\'i a 'X]Y

GW\i `XYbVfYa gY'\Yfi a [Y`Y]hYh'k YfXYb'_ObbYb"'8 Ug'9f[YVb]g

X]YgYf'DfØZ\b['ghY\h'bcW\'Ui g"'\Dg[YgUa h'k]fX'X]Y

GW\i `XYbVfYa gY'YXcW\']a a Yf'a Y\f'Ui Z[YkY]W\h"

9g'V`Y]Vh'bi b'UVni k UfhYbž'cV'X]Y'j Yf_ØbXYhY'9]b][i b['ni a < Ui g\U`h']a '< YfVgh'Ui W\'hUhgÀW\`]W\'U`g'hfU[ZÀ\]['Yfk Y]gYb'k]fX" 9g']gh'k]W\h][ž'X]Y'< Ui g\U`hgVYfUhi b[Yb'[YbUi 'ni 'VYcVUW\hYbži a 'ni 'YfZU\fYbž'k]Y'gYf]Òg'i bX'Xi fW\Z]bUbn]Yfh'X]YgYf'< Ui g\U`h

k]f_`]W\`]gh"

EiY``Y. '6Yf`]b

8YhU]`g

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