

HÒX`]WXYf'FU_YhYbUb[f]ZZ']b'A UXgWXXU`GWXUa g.'NY\b'HcXYgcdZYf'ni 'VY_`U[Yb

A]bXYghYbg'nY\b'HchYž'XUfi bhYf'?]bXYfž'bUWXFU_YhYbY]bgWX`U[']b'A UXgWXXU``GWXUa g'Ui Z'XYb; c`Ub\O\Yb"'<]gVc``U\`k Y]gh'J cfk ØfZY'ni fØW_"

8]Y 'Øb[ghYb'9fY][b]ggY'Ui Z'XYb'; c`Ub\Ò\Yb'k YfZYb'Y]b
VYgcf[b]gYffY[YbXYg'@]W\h'Ui Z'X]Y'ni bY\a YbXYb'GdUbbi b[Yb']b
XYf'FY[]cbž'X]Y'VYfY]hg'j cb'; Yk U`h'i bX'?cbZ]_hYb'[YdfÀ[h']gh''
9]b'FU_YhYbUb[f]ZZ'\Uh'hfU[]gW\Yfk Y]gY'b]W\h'bi f'NYfghÒfi b[ž
gcbXYfb'Ui W\'XUg'@YVYb'j cb'a]bXYghYbg'nY\b'DYfgcbYb
[YZcfXYfhž'XUfi bhYf'j]Y`Y'?]bXYf'i bX'\$![YbX`]W\Y''8]YgY
YfgW\fYW_YbXYb'NU\`Yb'fi ZYb': fU[Yb'ni f'G]W\Yf\Y]h'XYf
N]j]`VYj Ò`_Yfi b['i bX'XYf'fY[]cbU`Yb'GhUV]`]hÀh'Ui Z''

8 Yf?cbhYlhXYgFU_YhYbUb[f]ZZg

 $5a \text{ "} \text{ $\%$"C_hcVYf'&$\&' \text{ "k i fXY'XUg'gmf]gW}, Y'8cfZ'AUXgW}, XU' \\ \text{GW}, Uag'jcb'Y]bYa \text{ $FU_YhYbUb[f]ZZ'[YhfcZZYbž'XYf'Ub[YV`]W}, 'jcb \\ \text{XYf'gW},]]h]gW, Yb'A]`]n'<]gVc``U\'Uig'XYa'@]VUbcb'Uig[Y[Ub[YbgY]b'gc``"8]Y']gfUY`]gW, Y'5faYY'VYf]W, hYhYž'XUgg'fibX'($'FU_YhYbUiZ'X]Y'; c`Ub\\O\Yb'UV[YZYiYfh'kifXYb'''9]b':i >> VU``ZY`X']b'XYa8cfZ']gh'XUVY]'X]fY_h'[YhfcZZYb'kcfXYb'''8]Y'<]gVc``U\'gY`Vgh'\UhU``Y'Jcfk ØfZY'jcb'g]W\'[Yk]YgYb'ibX'Yf_`Afhž'XUgg'aUb'b]W, h'UbX]YgYa'JcfZU```VYhY]`][h'gY]"$

8]YFYU_h]cbXYf]gfUY`]gWXYbFY[]Yfib[

 $8 \ Yf']gfUY`]gWXY'5i \ \ Yba \]b]ghYf'=gfUY`'? Uhn'Ài \ \ YfhY']b'Y]bYa \\ +bhYfj \]Yk \ \ Z'XUgg'X]Y'<]gVc``U\'a \]h'X]YgYb'5_h]cbYb' fchY'@]b]Yb \\ \emptyset VYfgWXf]hhYb '\UVY'i bX'Yf_`ÀfhYZ'XUgg'=gfUY`'a Ò[`]WXYfk Y]gY$

Y]bYa 'i a ZUggYbXYb'?f]Y['[Y[YbØVYfghY\Y"'?Uhn'k UfbhY'j cf'XYb a $O(\)$ ']W\Yb'\c\Yb'?cghYb'Y]bYg'?cbZ]_hgž'b]W\h'bi f'ZØf'=gfUY`ž gcbXYfb'Ui W\'ZØf'X]Y'<]gVc``U\"

8]Y``c_U`Yb`5i gk]f_i b[Yb`Ui Z`X]Y; Ya Y]bgW\UZh

±0 A UXgWXU``GWX Ua gžY]bYa `C fhž'XYf'j cf'U``Ya 'j cb'XYf
8 fi gYb[Ya Y]bgWXUZh'VYk c\bh'k]fXž'g]bX'X]Y'5i gk]f_i b[Yb'XYg
5 b[f]ZZg'VYgcbXYfg'gWXkYfk]Y[YbX"'8]Y'8 fi gYbž'X]Y']a '%%"

*J\f\i bXYfh'Ui g'XYa 'gWX]]h]gWXYb'=g`Ua '\Yfj cf[Y[Ub[Yb'g]bXž
\UVYb']b'XYf'FY[]cb'Y]bY'`Ub[Y'; YgWX]WX hY'i bX'g]bX'ZØf']\fY
_i `hi fY``Y'=XYbh]hÀh'VY_Ubbh"'8Yf'JYf`i gh'j cb'@YVYb'i bX'X]Y
NYfghÒfi b['j cb'; Ya Y]bgWXUZhgY]bf]WX hi b[Yb'\UVYb'X]Y
8 cfZ[Ya Y]bgWXUZh'YfgWXØhhYfh"

9]b 6`]W_Ui Z'X]Y ; c`Ub\Ò\Yb

8]Y; c`Ub\O\YbžY]b`ghfUhY[]gW\`VYXYi hgUa Yg; YV]Yhžg]bX`gY]h
%-*+`]a `6Yg]hn`=gfUY`g"`=bhYfbUh]cbU``k]fX`X]YgY`5bbYl]cb`YXcW\
b]W\h`UbYf_Ubbhži bX`X]Y`FY[]cb`[]`h`bUW\`]bhYfbUh]cbU`Ya `FYW\h
U`g`VYgYhnhYg`gmf]gW\Yg`HYff]hcf]i a "`8]YgY`[Ycdc`]h]gW\Y`: fU[]`]h\h
j Yfgh\hf_h`X]Y`GdUbbi b[Yb`nk]gW\Yb`XYb`6YhY]`][hYb`i bX`gW\UZZh
Y]bYb`[YZ\\f`]W\Yb`FUi a `ZØf`kY]hYfY`?cbZ]_hY"

$8]Y ; YZU f Y]b Yf 9g_U Uh]c b$

8]Y'; YgW\Y\b]ggY']b'A UXgW\XU``GW\Ua g'j YfXYi h`]W\Yb'X]Y dfY_AfY'G]W\Yf\Y]hgg]hi Uh]cbž']b'XYf'j]Y`Y'; Ya Y]bXYb']a 'BU\Yb

CghYb "YVYb" 8]Y]bhYfbUh]cbU`Y; Ya Y]bgW UZh ghY\h'j cf XYf < YfUi gZcfXYfi b[ž'K Y[Y ni f'8 YYg_U`Uh]cb ni 'Z]bXYb i bX X]Y N]j]`VYj Ò`_Yfi b['ni 'gW ØhnYb" 8]Y < cZZbi b['Ui Z': f]YXYb a i gg Xf]b[YbX k]YXYfVY`YVh k YfXYbž XYbb X]Y `\i a Ub]hÀfYb "? cghYb Y]bYg'j Yf`Àb[YfhYb "? cbZ]_hg'g]bX b]W h'ni 'ØVYfgY\Yb"

B 5;

8 Y hU] `c

6Ygi WXYb G]Y i bg Ui Z b!U["XY