

=a dUWh 7i d & \$ &) . 5i gnY]W bi b [ZØf bUW \ U`h][Yg 9b [U[Ya Ybh]b 8cfha i b X °

5a '&&"'A U]'&\$&) 'k]fX'XYf'=a dUWh'7i d'ZØf'bUWX\U`h][Yg 9b[U[Ya Ybh'Ub'XYf'HI '8cfha i bX'j Yf`]Y\Yb" JYfUbghU`hi b[gXYhU]`g'i bX'6Yk YfVi b[Yb'\]Yf"



8cfhaibXž8YihgWX`UbX'!5a &&"AU]'&\$&) ZUbX']b XYf
_cgh6Uf'UiZXYa; Y`AbXY'XYf':UWX\cWxgWXi`Y'8cfhaibX'X]Y
nkY]hY'JYfY]\ib[XYg'=adUWh'7idg'ghUhhžXYf'ZØf
\YfUigfU[YbXYg'9b[U[YaYbh']a'6YfY]WX'BUWX\U`h][_Y]h
jYf`]Y\Yb'k]fX"'DfcZ"; Yf\UfX'GWXYaVYW_Yfž'DfcfY_hcf'ZØf
:]bUbnYb'XYf'HI'8cfhaibXž'ØVYffY]WXhY'X]Y'5ignY]WXbib[Yb'UbX]Y'BUWX\U`h][_Y]hg_caa]gg]cb'XYf':U_i`hAh'ZØf'=bZcfaUh]_'XYf
HI'8cfhaibX'gck]Y'Ub'XUg'HYUa'9]b_UiZ'XYf':<%cfhaibX"

8]Y'BUW\\U`h][_Y]hg_ca a]gg]cb'XYf': U_i `hÀh'ZØf' \(\pi\)Zcfa Uh]_ž VYghY\YbX'Ui g'DfcZYggcfł]bbYbž'k]ggYbgW\UZh`]W\Yb'i bX b]W\hk]ggYbgW\UZh`]W\Yb'A]hUfVY]hYfb'gck]Y'Ghi X]YfYbXYbž'\Uh g]W\']b'XYb'`YhnhYb'XfY]'\(\pi\)fYb'ghUf_'ZØf'X]Y': ÒfXYfi b[bUWX\U`h][Yb`<UbXY`bg`]b`: cfgWXi b[i bX`@Y\fY`Y]b[YgYhnh"`Ni
]\fYb`\D]h]Uh]j Yb`nÀ\`h`X]Y`9]bZØ\fi b[iY]bYg

BUWX\U`h][_Y]hgdfY]gYg`gck]Y`Y]bYf`F]b[j cf`Ygi b[ia]h`XYa `H]hY`
\DZcfa Uh]_i bX`BUWX\U`h][_Y]h "'8]Y`?ca a]gg]cb`\Uh`Yg

[YgWXUZZhž`XUg`H\Ya U`BUWX\U`h][_Y]h`ZYgh`]b`XYf`: U_i `hÀh`ni
j YfUb_Yfb`i bX`X]Ybh`[`Y]WXnY]h][`U`g`nYbhfU`Y`5b`Ui ZghY``Y`ZØf
: U_i `hÀhgUb[Y\Òf][Y"'\TfY`5fVY]h`_ca a h`b]WXh`bi f`XYf`: U_i `hÀh
ni [i hYž`gcbXYfb`Ui WX`XYb`BUWX\U`h][_Y]hgVYUi ZhfU[hYb`UbXYfYf
: U_i `hÀhYb`i bX`XYa `BUWX\U`h][_Y]hgVØfc`XYf`HI `8cfha i bX"

8Ug HYUa '9]b_Ui Z XYf : < '8 cfha i bX

8 UgʻHYUa '9]b_Ui ZʻXYfʻ: < '8 cfha i bX'k i fXY'ZØfʻgY]bY'9fghY``i b[bUW\\U`h][Yfʻ6YgW\UZI b[gf]W\h`]b]Yb'Ui g[YnY]W\bYh"'8]Y

A]hUfVY]hYbXYb'VYfUhYb'U_h]j ']\fY'?c``Y[Yb'i bX'VYhY]`][Yb'g]W\Ub'dUfh]n]dUh]j Yb'DfcnYggYbži a 'X]Y'bUW\\U`h][Y'9bhk]W_`i b['XYf<cW\gW\i 'Y'j cfUbni hfY]VYb"'=\fY'cZZYbY'?ca a i b]_Uh]cb'gW\UZh

A]hk]f_i b[ga Ò[`]W_Y]hYb'i bX'ZÒfXYfh'X]Y'Ni gUa a YbUfVY]h
]bbYf\U`V'XYf'<cW\gW\i 'Y"Ni XYa ']gh'XUg'HYUa ']b'BYhnk Yf_Yb
Ui Z'@UbXYg!'i bX'6i bXYgYVYbY'U_h]j ži a 'X]Y'; YghU`hi b[
bUW\\U`h][Yf'6YgW\UZI b[']a 'ÒZZYbh`]W\Yb'8]Ybgh'j cfUbni hfY]VYb"

8]Y'DfY]gj YfY]\i b['ZUbX']a 'FU\a Yb'XYf'X]Yg'À\f][Yb
BUW\\U`h][_Y]hgk cW\Y'ghUhhž'X]Y'j ca '%- "'V]g'&&"'A U]'&\$&) 'Ui Z
XYa '7 Ua di g'ghUhhZUbX"'8]YgY'K cW\Y'Vch'Y]b'i a ZUb[fY]W\Yg
Dfc[fUa a ž'XUg'cZZYbY'K cf_g\cdgž'nU\`fY]W\Y'J cfhfÀ[Y'gck]Y

\$\delta Zcfa Uh]cbg!'i bX'5_h]cbgghÀbXY'ni 'j YfgW\]YXYbYb'5gdY_hYb'j cb
BUW\\U`h][_Y]h'i a ZUgghY"'8]Y'JYfUbghU`hi b[Yb'k UfYb'_cghYb`cg
i bX'ghUbXYb'U``Yb'\delta hYfYgg]YfhYb'cZZYb"'8]Y'5i gnY]W\bi b['ZØf'XUg
9b[U[Ya Ybh'k i fXY'ni gÀhn`]W\'j cb'XYb'FY_hcfUhYb'XYf
< cW\gW\i `Yb'i bhYfghØhnh"

< YfUi gZcfXYfi b[Yb i bX 5i gV`]W_

 $8f''' < Ybb]b[`Ac`XYb\Ui Yfž'@Y]hYf'XYg'HI !BUW\U'h][_Y]hgVØfcgž VYhcbhYž'XUgg'hfchn'XYf'9fZc`[Y'k Y]hYf\]b' < YfUi gZcfXYfi b[YbVYghY\Yb'''8]Y'=ad`YaYbh]Yfi b['jcb'6]`Xi b['ZØf'bUW\U'h][Y9bhk]W_`i b[ž': cfgW\i b['ZØf'BUW\U'h][_Y]h'i bX$

j YfUbhk cfhi b[gj c``Yg'<UbXY`b']b'XYf'6YgW\UZZ b['V`Y]VYb YggYbh]Y``Y'H\Ya Yb"'I a 'X]YgYb'<YfUi gZcfXYfi b[Yb'ni VY[Y[bYb \check{z} 'j YfZc`[h'XUg'6A 6:!FU\a Ybdfc[fUa a ':cfgW\i b['ZØf bUW\\U`h][Y'9bhk]_`i b[Yb 'Y]bYb']bhY[f]YfhYb'i bX gmghYa cf]Ybh]YfhYb'5bgUhn"'Ni XYa '`]YZYfh'XUg'I B9G7C! Dfc[fUa a '6]`Xi b['ZØf'bUW\\U`h][Y'9bhk]_`i b['Y]bY'k]\W\h][Y FcUXa Ud'ZØf'X]Y'dfU_h]gW\Y'I a gYhni b["

8i fW. X]Y j YfgW]YXYbYb & jh]Uh]j Ybžk]Y X]Y J Yf[UVY XYg & dUWh 7i dg i bX X]Y j]Y ZA h][Yb 5b[YVchY k À\fYbX XYf BUW\U h][_Y]hgk cW Yžk]fX X]Y HI 8cfha i bX k Y]hYf\]b Y]bY J cffY]hYffc Y jb XYf < cW gW i Y]Xi b[]a 6YfY]W BUW\U h][_Y]h ØVYfbY\a Yb i bX U_h]j ni f I a gYmi b[XYf N]Y Y XYf 6] Xi b[ZØf bUW\U h][Y 9bhk]W i b[VY]hfU[Yb 8]Y Hfcd\AYb ZØf X]Y DfY]ghfA[Yf k i fXYb ØVf][Ybg j cb 5i gni V] XYbXYb]a 6YfY]W HYW b]gW Yg DfcXi _hXYg][b XYf HI 8cfha i bX Ybhk cfZYb i bX gma Vc]g]YfYb Xi fW]\fY cfa Y]bY gW k YVYbXY;]Y > _UbbY ØVYf Y]bYa [fØbYb DZ AbnW Yb X]Y = XYY XYf B UW\U h][_Y]h" HI 8cfha i bX VYf]W hYhž XUgg X]Y DfY]gj YfY]\i b[]b Ni gUa a YbUfVY]ha]h XYa 7GF!C ZZ]W XYf : < 8cfha i bX VYg]bX cf[Ub]g]Yfhk i fXY A Y\f 8 YhU] g ni f B UW\U h][_Y]hgk cW Y g]bX VY] HI 8cfha i bX 7G ni Z[bXYb"

 $5 \lor g \lor X `] Y "Y b X ``Y [h `X Y f `U _h i Y ``Y `6 Y f] \lor X h `X Y f `6 i b X Y g f Y [] Y f i b [`ni f 6] `X i b [`ZØ f `b U \lor X \ U `h] [Y `9 b h k] \(W_` i b [`X] Y : c f h g \lor X f] h h Y `i b X \\
 A U "B U \ a Y b `X U f z `X] Y `j c b `j Y f g \lor X] Y X Y b Y b `= b g h] h i h] c b Y b i b h Y f b ca a Y b `k i f X Y b z i a `X U g `N] Y ``Y] b Y f `ni _i b Z h g Z h \] [Y b < C \(W g \lor W i `V] `X i b [`ni `Y f f Y] \lor W Y b " 8] Y g Y `9 b h k] \(W_` i b [Y b `g] b X Y b h g \lor W Y] X Y b X `ZØ f `X] Y `: O f X Y f i b [`b U \lor X \ U `h] [Y b `< U b X Y `b g `] b `X Y f ; Y g Y ``g \(W U Z h z `k \] Y `i b h Y f `U b X Y f Y a `] a `6] `X i b [g g Y f j Y f `Y f `A i h Y f h k] f X "$

8 YhU]`g	
J c f ZU``	Gcbgh][Yg
Cfh	8 cfha i b X ž 8 Y i hg W `U b X
EiY``Yb	• k k k "hi !Xcfha i bX"XY
	• Wg"hi!Xcfha i bX"XY

8 YhU]`g	
	k k k "V]`Xi b[ggYfj Yf"XY

 $6\,Y\,gi\ W\!\!X\,Y\,b\,{}^*\!G\,]Y\,{}^*\!i\ b\,g\,{}^*\!Ui\ Z.\,{}^*\!b\,!\,U\,[\,\,"b\,Y\,h\,]$