

? $Uf(Y)h'ZØf'X]Y'Ni_ibZh.'=bZc!JcfhfU['nif Jcfgcf[Y']b'9``kUb[Yb°$

8 Yf '7 Uf]hUg!J cfhfU['ni f'DUh]YbhYbj YfZØ[i b['i bX Jcfgcf[Yj c``a UWX h'Z]bXYh'Ua '%"'¾`]'&\$&) ']a 'Gdcfh\Y]a 9``k Ub[Yb'ghUhh"'HY]`bU\a Y'_cghYb`cg"



I bhYfk U`X\Ui gYf`GhfU» Y`%\$ž`, , ('\$'9``k Ub[Ybž
8 Yi hgW\`UbX`!'\D`NY]hYbž`]b`XYbYb`g]W\`X]Y`; YgY``gW\UZh
ni bY\a YbX`a]h`H\Ya Yb`k]Y`Jcfgcf[Yb`i bX
DUh]YbhYbj YfZØ[i b[Yb`Ui gY]bUbXYfgYhnhž``ÀXh`XUg`GYb]cfYbhYUa
ni 'Y]bYa `Ui ZgW\`i ggfY]W\Yb`JcfhfU['Y]b"'5a '8]YbghU[ž`XYb`%"'*\`]
&\$\&\) ž`Z]bXYh`]a 'Gdcfh\Y]a '9``k Ub[Yb`]b`XYf`I bhYfk U`X\Ui gYf
GhfU» Y`%\$`Y]b`\DZcfa Uh]cbgbUW\a]hhU['ghUhhž`XYf`I a '%('I\f`a]h
?UZZYY`I bX`?i W\Yb`VY[]bbh"'8Yf`Y][Ybh`]W\Y`JcfhfU['ghUfhYh`I a
%) 'I\f"'JYfUbghU`hYf`]gh'X]Y`7Uf]hUgži bX`U`g`FYZYfYbh]b`k]fX`X]Y
Yb[U[]YfhY`Gcb'U'<iaa Y``Xi fW\XUg`H\Ya U`ZØ\fYb"

8 Yf'J cfhfu['n]Y`h'XUfUi Z'UVž'X]Y '6 YXYi hi b['j cb DUh]YbhYbj YfZØ[i b[Yb'i bX'J cfgcf[Yj c``a UW\hYb'ZØf'9fk UW\gYbY

YXYb 5 hYfg ni j Yfa]hhY b "8]Yg]gh VYgcb XYfg k]Wk h][ž XYbb X]Yf YWk h) Wk Yb FY[Y i b [Yb _ Obb Yb X UVY] \ Y \ ZYb ž Ui Wk]b gWk | Yf][Yb @Y VYbgg]hi Uh]cb Yb X]Y Y][Yb Yb K Øbg Wk Y i b X J cfghY ``i b [Yb Xi f Wk ni g Yhn Yb " I a ZUgg Yb X VY \ Ub XY `h 'k Yf XYb k À\fYb X XYf 'J Yf UbghU `hi b ['X]Y 'k]Wk h][ghYb 5 gd Y_hY ž X Ufi bhYf [YY][b YhY 'J cf X fi W_Y 'gck]Y 'X Yf I a [Ub ['a]h V Ygcb X Yf Yb : Ua] `]Yb_cbghY ``Uh]cb Yb " '9]b 'ni _i b Zhghf À Wk h][Yf 'Di b_h]gh 'ni X Ya X]Y FY[Y i b ['X Y g X][]h U `Yb `B U Wk `Ugg Y g ž Y]b `H \ Ya U ž X Ug `]a a Yf a Y\f `Ub `6f]g Ubn `[Yk]b bh"

8][]hU`Yf`BUW\`Ugg`]a : c_i g

 $8 \ Yf'X][\]hU'Y'BUWX`Ugg']gh'Y]b'5gdY_hz'XYf'cZh'ØVYfgY\Yb'k\]fX''' = 0 \\ 8 \ Yi \ hgWX`UbX'ghYfVYb'fY[\ Y`a \ A`*][\ 'A YbgWXYbz'c\bY']\fY'X][\]hU'Yb'?cbhYb'[\ YfY[\ Y`h'ni '\UVYb'''CZh'g]bX'9!AU]`!DcghZAWXYf'bUWX'XYaHcX'i bni [\ Ab[`]WXz'k Ug'VY]'XYb'<]bhYfV`]YVYbYb'ni 'ni gAhn`]WXYbGW,k]Yf][_Y]hYb'ZØ\fYb'_Ubb'''Gc'YadZ]Y\`h'Yg'g]WXz'Y]bY'@]ghY\ØVYf'XYb'X][]hU'Yb'BUWX`Ugg'ni 'YfghY``Ybz'X]Y'DUggk OfhYf'ZØf'9!AU]`!?cbhYb'i bX'Cb`]bY!5Vcg'Ybh\A`h''8]YgY'@]ghY'gc``hY'Ub'Y]bYag]WXYfYb'Cfh'Ui ZVYk U\fh'k YfXYbz'ni a'6Y]gd]Y``Ui Z'Y]bYajYfgWX`ØggY`hYb'I G6!Gh]W_'cXYf']b'Y]bYa'6Ub_gWX`]Y*ZUWX'''9]bDUggk cfhaUbU[Yf'_Ubb'YVYbZU``g'X]Y', VYfg]WXh`]WX_Y]hYf\O\Yb''$

K]W\h][']gh'Ui W\ž'J cf_Y\fi b[Yb'ni 'hfYZZYbž'cb`]bY'ZYghni `Y[Ybž k Ug'a]h'XYb'8 UhYb'[YgW\Y\Yb'gc``ž'i bX'k Yf'Ni [f]ZZ'XUfUi Z Yf\À`h"Ni XYa 'gc``hYb'A YbgW\Ybž'X]Y'g]W\'i a 'XYb'X][]hU`Yb B UW\`Ugg'_Øa a Yfb'gc``Ybž']bZcfa]Yfh'k YfXYb"'9]bY \UbXgW\f]Zh`]W\Y'J c``a UW\hž'X]Y'XUh]Yfh'i bX'i bhYfgW\f]YVYb']ghž _Ubb'XUVY]'\Y`ZYbž'XUgg'X]Y'J YfhfUi YbgdYfgcb'Ni [Ub['ni 'XYb 8 UhYb'Yf\À`hž'gY`Vgh'ØVYf'XYb'HcX'\]bUi g"

Jcfgcf[YZØf; YgibX\Y]hibXFYWXhY

5VYf'b]W\h'bi f'XYf'X][]hU`Y'BUW\`Ugg'ghY\h'Ui Z'XYf'5[YbXU'XYg JcfhfU[g"'8]Y'7Uf]hUg'k]fX'Ui W\'Ui Z'X]Y'; fi bX`U[Yb'j cb DUh]YbhYbj YfZØ[i b[Yb'Y]b[Y\Yb"'Jc``'À\f][Y'A YbgW\Yb'_ObbYb Xi fW\'Y]bY'DUh]YbhYbj YfZØ[i b['gW\f]Zh`]W\'ZYgh`Y[Ybž'cV'g]Y VYgh]a a hYb'a YX]n]b]gW\Yb'A U» bU\a Yb'ni gh]a a Yb'cXYf'X]YgY UV`Y\bYb"'9]b'6Yj c``a ÀW\h][hYf'\Uh'X]Y'5i Z[UVYž'XYb'K]``Yb'XYgb]W\h'a Y\f'Y]bk]``][i b[gZÀ\][Yb'J c``a UW\h[YVYfg'ni 'j YfhfYhYbžk Ug'ZØf'j]Y`Y'Y]bY'k]W\h][Y'G]W\Yf\Y]h'XUfghY``h"

9]b 'k Y]hYfYf'Di b_h']gh'X]Y'6YhfYi i b[gj YfZØ[i b[\check{z} 'X]Y'ZØf'XYb': U``Y]bYf'5bcfXbi b['Y]bYf'6YhfYi i b['fY`Yj Ubh'k]fX \check{z} 'gc``hY'Y]b DUh]Ybh'gY]bY'5b[Y`Y[Yb\Y]hYb'b]W\h'a Y\f'gY`Vgh'fY[Y`b'_ObbYb''5i W\X]Y'Cf[UbgdYbXYYf_`Àfi b[']gh'HY]`'X]YgYf'k]W\h][Yb H\Ya Uh]_ \check{z} 'XYbb'\]Yf'a ØggYb'_`UfY'K]``YbgVY_i bXi b[Yb [fi bXgÀhn`]W\VYfØW_g]W\h][h'k YfXYb \check{z} 'i a 'XYb'K]``Yb'XYg DUh]YbhYb'fYW\h`]W\'_cffY_h'k]YXYfni [YVYb''

8]Y'HY]`bU\a Y'Ua 'JcfhfU[']gh'_cghYbZfY]'i bX'YfZcfXYfh'_Y]bY 5ba Y`Xi b["'GdYbXYb'g]bX'k]``_ca a Ybži a 'X]Y'5fVY]h'XYf 7Uf]hUg'ni 'i bhYfghØhnYb"'9]bnY`[YgdfÀW\Y'_ÒbbYb'bUW\'XYa JcfhfU['a]h'[YgW\i`hYb'9\fYbUa h`]W\Yb'j YfY]bVUfh'k YfXYbž gcXUgg'dYfgÒb`]W\Y'5b`]Y[Yb'i bX': fU[Yb'VY\UbXY`h'k YfXYb_ObbYb"'K Y]hYfY'\DZcfa Uh]cbYb'g]bX'Ui Z'XYf'K YVgY]hY'XYf 7Uf]hUg'i bhYf'k k k "`YVYbgZUXYb"cf['j YfZØ[VUf"

8]Y'6YXYi hi b['XYf'fYW\hnY]h][Yb'i bX'Ub[Ya YggYbYb'Jcfgcf[Y]gh'i bVYghfY]hVUf' 'gY]'Yg']a 'X][]hU`Yb'6YfY]W\'cXYf']b'6Yni ['Ui Z ; Ygi bX\Y]hgZfU[Yb"'8Yf'JcfhfU['V]YhYh'Y]bY'Ui g[YnY]W\bYhY A Ò[`]W_Y]hž'g]W\'\]Yf'i a ZUggYbX'ni ']bZcfa]YfYb"

: Øf'k Y]hYfZØ\fYbXY' ⇒Zcfa Uh]cbYb'ØVYf'X]Y'H\Ya Yb
DUh]YbhYbj YfZØ[ib['ibX'Jcfgcf[Yjc``a UW\h'`c\bh'Yg'g]W\ž'Y]bYb
6`]W_'Ui Z'X]Y'6ibXYgÀfnhY_Ua a Yf'ni 'k YfZYb'cXYf'X]Y'H]ddg'nif
FY[Y`ib['XYg'X][]hU`Yb'BUW\`UgqYg'Ui Z'JN<<'bullet

8 YhU]`g	
Cfh	lbhYfkU`X\UigYf`GhfU»Y`%\$ž,,('\$
	9``k Ub[Ybž'8Yi hgW\`UbX
EiY``Yb	k k k "X]YV]`XgWX]fa nY]hi b["XY
	• k k k "j n\ \ "XY
	k k k "Vi bXYgUYfnhY_Ua a Yf"XY