

8 c V f]b X h 'd `Ub h 'HUgY f! 9]b g Uhn. 6 i b X Y g d c `]n Y] 'g c `` 'V Y g g Y f '[Y g W Ø hn h k Y f X Y b °

6i bXYg]bbYba]b]ghYf'8cVf]bXh'd`Ubh'X]Y'5i gfØghi b['XYf 6i bXYgdc`]nY]'a]h'9`Y_hfcgW\cW_[Yf\hYb'ni f'VYggYfYb G]W\Yf\Y]h']a '8]Ybgh"



8 Yi hgW `Ub X '! '6i bXYg]bbYba]b]ghYf'5`Yl UbXYf'8 cVf]bXh'd`Ubh Y]bY'i a ZUggYbXY'5i gfØghi b['XYf'6i bXYgdc`]nY]'a]h 9`Y_hfcgW\cW_[Yf\hat{A}hYb\times'VY_Ubbh'U`g'HUgYfb"'\dot\times'Y]bYf'U_hi Y``Yb 9f_`\hat{A}fi b['VYhcbh'Yf'X]Y'Bchk YbX][_Y]h'X]YgYf'A U\times bU\a Y\times'i a 'X]Y 6YUa hYb'VYggYf'j cf'XYb'ghY][YbXYb'6YXfc\i b[Yb']a \times ZZYbh`]W\Yb'FUi a 'ni 'gW\ØhnYb"'8cVf]bXh'a \times \times YfghY``Yb\times XUgg'X]Y'6i bXYgdc`]nY]'gW\bY``gha \times [`]W\'a]h'X]YgYb 8]ghUbnY`Y_hfc]a di `g[Yf\hat{A}hYb'f89\foot\times \times Ui g[YghUhhYh'k]fX\times XU'Yg']b XYf'`YhnhYb'NY]h'j Yfa Y\fh'ni ', VYf[f]ZZYb'Ui Z'Dc`]nY]VYUa hY [Y_ca a Yb']gh"

8 Yf '9]bgUhn 'j cb 'HUgYfb ']gh'nk]b[Yb X 'bchk Yb X][ž 'gc '8 c Vf]b Xh" 8]Y 'fY Wk h`]Wk Yb 'F U\a Yb VY X]b[i b[Yb 'ZØf 'XYb '9]bgUhn 'gc ``Yb 'bc Wk]b 'X]YgYa '*J\f'[YgWk UZZYb 'k YfXYb "'I a 'X]Y '5 bgWk UZZi b['XYf 'YfÀhY 'ni '[Yk À\f`Y]ghYbž'k YfXYb 'Yb hgd fY Wk Yb XY 'Z]b Ub n]Y ``Y A]hhY ``VYfY]h[YghY ``h" 8 Yf 'A]b]ghYf 'ghY ``h"_`Ufž 'X Ugg 'HUgYfb 'Y]bY [YY][bYhY '5 bhk cfh'Ui Z '5 b[f]ZZY 'a]h'Gh]Wk k UZZYbž'k]Y VY]gd]Y`gk Y]gY 'A YggYfbž 'X UfghY``Yb"

K UWX gYbXY 6YXfc\i b['ZØf'X]Y 'Dc`]nY]

 $8]Y \cdot 5f[i \ a \ YbhUh]cb \cdot ZØf \cdot XYb \cdot 9]bgUhn \cdot j \ cb \cdot HUgYfb \cdot k \]fX \cdot Xi \ fWX \cdot X]Y \\ ghY][YbXY \cdot NU \setminus Yj \ cb \cdot GhfUZhUhYb \cdot [Y[Yb \cdot 6i \ bXYgdc \setminus]n]ghYb \\ i \ bhYfa \ Ui \ Yfh'' = j \ Yf[Ub[YbYb \cdot JU \setminus f'[UV \cdot Yg \cdot %$" + &* \cdot fY[]ghf]YfhY \\ : \ \mathring{A} \cdot Y\check{z}'k \ Ug \cdot Y]bYb \cdot XYi \ \mathring{h})WX Yb \cdot 5bgh]Y[\]a \ J \ Yf[\ Y]WX \cdot ni \ - "* (\% : \ \mathring{A} \cdot Yb) \\ [a \ JU \setminus f' & & & & XUfghY \cdot \mathring{h}'' = b \cdot XYb \\ [a \ JU \setminus f' & & & & XUfghY \cdot \mathring{h}'' = b \cdot XYb \\ YfghYb \cdot j \]Yf \cdot A \ cb UhYb \cdot X]YgYg \cdot JU \setminus fYg \cdot k \ i \ fXYb \cdot VYfY]hg \cdot ", +- \\ VYf[f]ZZY \cdot ZYgh[YghY \cdot \mathring{h}z'k \ Ug \cdot Ui \ Z'Y]bY \cdot Ub \setminus U \cdot \mathring{h}YbX \\ VYgcf[b]gYffY[YbXY \cdot HYbXYbn' \setminus]bk Y]gh''$

8 c V f]b X h Y f h Ži N Y f h Ži X Ugg 'H Ug Y f b 'U `g 'Y ZZY _h]j Y '9]b g Uhna]hh Y `nk]g W X y b 'G W `U [ghc W_ ii b X '8] Y b g h d]ghc `Y 'Zi b [] Y f Y b '_Ob b Y b " G] Y g]b X 'X Uf Ui Z 'Ui g [Y `Y [h ž · 5 b [f Y] Z Y f '_i f n Z f]gh] ['Ui » Y f '; Y Z Y W \h 'n i g Y h n Y b ž]b X Y a 'g]Y 'nk Y] b U X Y `Z Of a] [Y 'D f c 'Y _h] `Y 'U V Z Y i Y f b ž 'X] Y Y]b Y b '9 `Y _h f c g W \c W _ Ø V Y f h f U [Y b " 8] Y g Y 'H Y W \b c `c [] Y '_Ob b h Y]b g V Y g c b X Y f Y `] b 'G]hi Uh] c b Y b '\Y `Z Y b ž '] b 'X Y b Y b '6 Y Ua h Y 'a]h U [[f Y g g] j Y b ž 'V Y k U Z Z b Y h Y b 'D Y f g c b Y b '_c b Z f c b h] Y f h 'k Y f X Y b "

?f]h]_i bX < YfUi gZcfXYfi b[Yb

8]Y'9]bZØ\fi b['j cb'HUgYfb'ghÒ» h'YXcW\'Ui W\'Ui Z'K]XYfghUbX"?f]h]_Yf'k UfbYb'j cf'[Ygi bX\Y]h`]W\Yb'F]g]_Ybž']bgVYgcbXYfY'VY]
A YbgW\Yb'a]h'<YfnYf_fUb_i b[Yb"8]Y'Dc`]nY][Yk Yf_gW\UZhYb
ZcfXYfb'gY]h'\\\Y\fYb'Y]bY'Z\AW\YbXYW_YbXY'5i gghUhhi b['a]h
HUgYfbž'i bX']b'a]bXYghYbg'nY\b'@\AbXYfb'g]bX'g]Y'VYfY]hg']a
fY[i`\AfYb'GhfY]ZYbX]Ybgh']a '9]bgUhn"'5_hi Y```hYghYh'X]Y
6i bXYgdc`]nY]'X]Y'9`Y_hfcgW\cW_[Yf\AhY'Ub'j]Yf'8]YbghghY``Ybž
Y]bY'k Yfhi c``Y'D\UgY'ZØfX]Y'9j U'i]Yfi b[']\fYf'DfU_h]_UV]`]h\Ah"

8]Y?cu`]h]cbgdUfhbYf]a '6i bXYghU['ghY\Yb'8cVf]bXhg'D`ÀbYb
nk Uf'dcg]h]j '[Y[YbØVYfž'nY][Yb'g]W\'YXcW\']b'XYf'I a gYhni b[
bcW\'ni fØW_\U`hYbX"'8cVf]bXh\\UhhY'VYfY]hg']a 'A U]'ZØf'XYb
9]bgUhn'j cb'9`Y_hfcgW\cW_!K UZZYb'd`ÀX]Yfh'i bX'k]fX'g]W\
k Y]hYf\]b'a]h'XYb'VYghY\YbXYb'< YfUi gZcfXYfi b[Yb
Ui gY]bUbXYfgYhnYb'a ØggYbž'i a 'X]Y'fYW\h`]W\Yb'i bX
g]W\Yf\Y]hghYW\b]gW\Yb'6YX]b[i b[Yb'ZØf'XYb'9]bgUhn'j cb'HUgYfb
ni '_`ÀfYb"

±g[YgUa hi]ghiX]Y'G]hi Uh]cb'ZØf'X]Y'6i bXYgdc`]nY]'U`Ufa]YfYbXž
i bX'8cVf]bXhg'Jcfghc» 'ni f'gWXbY``YfYb'6YfY]hghY``i b['jcb'HUgYfb
_`ObbhY'Y]bYb'YbhgWXY]XYbXYb'6Y]hfU['ni f'JYfVYggYfi b['XYf
G]WXYf\Y]h'XYf'6YUa hYb'`Y]ghYb"'8]Y'8]g_i gg]cb'i a 'XYb'9]bgUhn
j cb'9`Y_hfcgWXcW_[YfÀhYb'k]fX']b'XYb'_ca a YbXYb'A cbUhYb
j cfUi gg]WXh`]WX'Y]bY'nYbhfU`Y'Fc``Y']b'XYf'g]WXYf\Y]hgdc`]h]gWXYb
5[YbXU'gd]Y`Yb"

: Øf'k Y]hYfZØ\fYbXY' ±bZcfa Uh]cbYb'ØVYf'X]Y'D`ÀbY'j cb'8cVf]bXh ni f'5i gghUhhi b['XYf'6i bXYgdc`]nY]'a]h'HUgYfbž'VYgi W\Yb'G]Y V]hhY'X]Y'5fh]_Y`'j cb'K Y`hž'Gd]Y[Y`'i bX'HU[Yggd]Y[Y`'

8 Y hU]`g	
J c f ZU``	Gcbgh][Yg
Cfh	8 Yi hgWX`UbX
EiY``Yb	• k k k "k Y`h"XY
	• k k k "gd]Y[Y`"XY
	• k k k "hU[Yggd]Y[Y`"XY

6 Y gi W Y b 'G] Y 'i b g 'U i Z 'b ! U ["b Y h