

I bj Yf[Ygg`]WX Y 'Dcc`!DUfhm'ni a : Yf]YbYbXY']a '; cWX BYgg°

5a '%, "'5i [i gh'j YfUbghU`hYb'X]Y'GdUf_UggY'F\Y]b!A UUg'i bX XUg': fY]nY]hVUX'; cW\BYgg'Y]bY'[fc\(\times\Y'Dcc\)!DUfhm'Z\(\times\Times\Y')bXYf i bX'\(\frac{1}{2}\)[YbX\]W\Y"

9]b i bj Yf[Ygg`]W\ Yf 5 VgW\ `i gg XYf Gca a YfZYf]Yb]a : fY]nY]hVUX; cW\ B Ygg

; cW.#?fY]g'?`Yj Y` '8 Ug': fY]nY]hVUX'; cW.BYgg'k]fX'Ua '%, "
5i [i gh'ni 'Y]bYa '<chgdch'ZØf'?]bXYf'i bX'¾ [YbX`]W\Yž'kYbb'X]Y
GdUf_UggY'F\Y]b!A UUg']\f'Dcc`!DUfhm!9j Ybh'dfÀgYbh]Yfh"'N]Y`'XYf
J YfUbghU`hi b[']gh'Ygž'XYb''I b[Yb'@Yi hYb']b'XYf'FY[]cb'Y]b
gdU»][Yg'9f`YVb]g'j cf'XYa 'GWXi `VY[]bb'ni 'V]YhYb"'

8 | Y D U f hm! N c b Y 'k | f X 'n i a '9 f `Y V b | g

#D'XYf'NY]h'j cb'%' 'V]g'%+'I \f'j Yfk UbXY`h'g]W\'XUg': fY]nY]h\VUX']b
Y]bY'YW\hY': Y]Yf!C UgY"'8]Y'GdYn]U`]ghYb'XYg'NYd\mfi g!
8]g\ChYUa g'Ui g'XYf'B\A\Y'j cb'6]Y'YZY`X'k YfXYb'Z\OfY]bY
YbYf[]Y[Y`UXYbY'5ha cgd\\AfY'gcf[Yb"'A]h']\fYf'dfcZYgg]cbY``Yb
Gci bXUb`U[Y'k YfXYb'g]Y'X]Y'bYi YghYb'7\Ufh!<]hg'i bX
Gca a Yfa Y`cX]Yb'gd]Y`Ybži a 'X]Y'; \AghY']b': Y]Yf`Ui bY'ni
j YfgYhnYb"'A i g]_k \Obg\XY'XYf'6UXYb]I Yb'i bX'G\Xk]a a Yf'g]bX
Ui gXf\Ow_`]\X'k]``_ca a Yb'''Y]bY'VYgcbXYfY'; Y`Y[Yb\Y]h\Z'XUg
Y][YbY'\@]YV`]b[g`]YX']a 'K UggYf'ni '\OfYb"

5 i ZfY[YbXY'5hhfU_h]cbYb']a 'K UggYf'i bX'Ub @UbX 8]Y'Dcc`!DUfhmik]fX'jcb'Y]bYf'FY]\Y'UiZfY[YbXYf'5hhfU_h]cbYb
VY[`Y]hYh"A]h'Ub'6cfX'g]bX'UiZV`UgVUfY'GYYib[Y\YiYfž'Y]b
f]Yg][Yf'8]gWc!<UgYb'ibX'KUggYfgWX]`X_fÒhYbž'X]Y'nia'Gd]Y'Yb
Y]b`UXYb"'9]bY'`]`UZUfVYbY'@UiZaUhhY'ZcfXYfh'X]Y'; ÀghY'\YfUigž
a]h'j]Y``GWXkib['ØVYf'XUg'KUggYf'ni'[`Y]hYb"'5iZ'XYb'Hk]ghYf!

\dig gY`b'_Ubb'bUWX'XYa'5_h]jgY]b'YbhgdUbbh'kYfXYbž'kÀ\fYbX'X]Y
_ibhYfVibhYb'KUhYf!; `cVYg'ZØf'nigÀhn`]WXYb'GdU»'gcf[Yb"

8 c W X]Y I bhYf\U`hi b['VYgWkfÀb_hg]W 'b]Wkh'bi f'Ui Z'XUg'K UggYf" 5a '6YW_YbfUbX'i bX'Ui Z'XYf'@]Y[Yk]YgY'Yfk UfhYh'X]Y'HY]`bY\a Yf Y]b'Bcbghcd!G\ck dfc[fUa a "'<]Yf'k YfXYb'b]Wkh'bi f'HU`YbhY [Ygi WkhžgcbXYfb'Yg'VYghY\h'Ui Wk'X]Y'A Ò[`]Wk_Y]hž'Ub'`i gh][Yb K YhhVYk YfVYb'k]Y'XYa '6UXY_UddYb!: Ø``Yb 'hY]`ni bY\a Yb" GY]ZYbV`UgYb!G\ck 'i bX'gdcfh`]WkY'5_h]j]hÀhYb'fi bXYb'XUg 5b[YVch'UV'i bX'a UWkYb'XYb'HU['ni 'Y]bYa 'VYgcbXYfYb'9f`YVb]g"

9]b 5b[YVch ZØf U``Y

I a 'g]W\Yfni ghY``Ybž'XUgg'YXYf'hY]`bY\a Yb'_Ubbž'[]Vh'Yg'Y]b VYgcbXYfYg'5b[YVch'ZØf'A]h[`]YXYf'XYg'?B5L!?`i Vg'i bX'G!7`i Vg XYf'GdUf_UggY.'K Yf'gY]bYb'7`i V!5i gk Y]g'j cfnY][hž'a i gg'_Y]bYb 9]bhf]hh'nU\`Yb"'\$! b[Y'AYbgW\Yb'V]g'%, '\$U\fYž'X]Y'bcW\'_Y]bY A]h[`]YXgW\UZh'\UVYbž'_ObbYb'X]YgY'dfcV`Ya`cg'j cf'XYf JYfUbghU`hi b[']b'Y]bYf'GdUf_UggYb[YgW\AZhgghY``Y'VYUbhfU[Yb"

9]bY; Ya Y]bgW\UZhgU_h]cb'Ui g`, VYfnYi [ib[

8]Y =]h]Uh]j Y ni f 8 i fW ZØ\fi b['X]YgYg'9j Ybhg'ghUa a h'Ui g'Y]bYf
[Ya Y]bgUa Yb'D`Ubi b['j cb': fY]nY]hVUX'i bX'GdUf_UggY'F\Y]b!
A UUgž'k Y`WXY'XUfUi Z'UVn]Y`hž'XYb' > i [YbX`]WXYb']b'XYf'FY[]cb'Y]b
i bj Yf[Ygg`]WXYg'9f`YVb]g'ni 'V]YhYb'' > £f]g' < Ufha Ubgž'6Yhf]YVg`Y]hYf
XYg': fY]nY]hVUXgž'XfØW_h'X]Y'9fk Ufhi b['Ui gž'XUgg'j]Y`Y'; ÀghY
_ca a Yb'k YfXYbži a 'XYb'Gca a Yf'[YVØ\fYbX'ni 'j YfUVgWX]YXYb''

i [YbX`]WXYž'gcbXYfb'Ui WX 'Y]b'NY]WXYb'ZØf'XUg'9b[U[Ya Ybh'XYf
`c_U`Yb'; Ya Y]bgWXUZhž']\fYb''A b[Yb'A]h[`]YXYfb'Y]bY
i bj Yf[Ygg`]WXY'NY]h'ni 'V]YhYb"'

B5;

8 Y hU] `c

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