

8 mbUa c '8 fYgXYb. 'B Yi Y 'HfUbgZYfg 'ZØf XYb '5 i Zgh]Y[']b 'X]Y '&" '@][U '[Yd `Ubh'

8 mb Ua c'8 fYgXYbg'GdcfhW\YZ'H\ca Ug'6fYbXY`'_ØbX][h']a HfU]b]b[g`U[Yf'HfUbgZYfg'ZØf'X]Y'&"'@][U'Ub'i bX'VYhcbh HYUa _`]a U'i bX'\DhY[fUh]cb"



6fYbXY```cVhY`XUg`[i hY`HYUa _`]a U`i bX`X]Y`\Yfj cffU[YbXYb6YX]b[i b[Yb`]b`K]bX]gWX[UfghYbž'k c`X]Y`A UbbgWXUZh`g]WX

cdh]a U``Ui Z'X]Y`_ca a YbXY`GU]gcb`j cfVYfY]hYb`_Ubb"`GY]b`N]Y``]gh _`Uf. '9]b`Y]b[Ygd]Y`hYf`i bX`_cb_i ffYbnZÀ\][Yf`?UXYf`gc```Ua YfghYb`Gd]Y`hU[`VYfY]hghY\Yb"`8]Y`; YgdfÀW\Y`ØVYf`Y]bY JYfhfU[gj Yf`Àb[Yfi b[a]h`7\YZhfU]bYf`H\ca Ug`GhUa a ž'XYggYb U_hi Y``Yf`JYfhfU[`V]g`ni a `Gca a Yf`&\$&* ``Ài Zhž``Ui ZYb`VYfY]hg" 8]Y`D\]`cgcd\]Y`j cb`H\ca Ug`GhUa a `dUggh`[i h`ni a `JYfY]b ž`gc 6fYbXY`ž'XYf`g]W\`ØVYf`XYb`JYf`Ui Z'XYf`JYf\UbX`i b[Yb ni j Yfg]W\h`]W\`nY][h"

9]b'6`]W_'Ui Z'XYb'? UXYf'i bX'a Ò[`]W\Y 5V[Àb[Y

K UgʻdUgg]Yfhʻa]hʻ5bX]ʻ<ch]3ʻ8]YgYʻDYfgcbUʻ]YʻVʻY]VhʻgdUbbYbX''
K À\fYbXʻY]bYʻFØW__Y\fʻUi gʻA U[XYVi f['XYb_VUfʻ]ghžʻ]Y[hʻX]Y
9bhgW\Y]Xi b['XYfnY]hʻb]W\hʻ]bʻXYbʻ<ÀbXYbʻj cbʻ8 mbUa c''·6fYbXY`
VYhcbhžʻXUggʻYgʻU_hi Y```_Y]bYʻ_cb_fYhYbʻ5bZfU[Ybʻni '5V[Àb[Yb
[]Vhži bXʻXUgʻHYUa 'g]W\'Ui ZʻX]YʻVYj cfghY\YbXYb
<YfUi gZcfXYfi b[Ybʻ_cbnYbhf]YfYb`_Ubb''

± Y]bYf'k Y]hYfYb'9bhk]W_i b['\Uh'8 mbUa c'Y]bYb'BYi ni [Ub[j Yf']Y\Yb"A Uf'cb: U» ž'Yfgh'%- '≯J\fY'U`h'i bX'Ui g'XYf'I %- 'XYf'HG; <c\\ZYb\Y]a \(\frac{z}{k}\)]fX'Ub'X]Y'Ghi hh[UfhYf'?]W_Yfg'Ui g[Y`]Y\Yb"'@Ui h'?]W_Yf'k]fX': U» ']b'XYf'FY[]cbU``][U'GØXk Ygh'ni a '9]bgUhn _ca a Yb\(\frac{z}{k}\)] a 'Xcfh'k Yfhj c``Y'Gd]Y`dfUl]g'ni 'gUa a Y`b"'8Yf GdcfhX]fY_hcf'XYf'Ghi hh[UfhYf'?]W_Yfg\(\frac{z}{k}\)] hn'G]YVfYW\h\(\frac{z}{k}\)'nY][h'g]W\\VY[Y]ghYfh'ØVYf': U» ': \(\hat{A}\)][_Y]hYb\(\frac{z}{k}\)]bgVYgcbXYfY'gY]bY'Gh\(\hat{A}\)_[a GhfUZfUi a "'6fYbXY`'Yf_`\hat{h}\(\frac{z}{k}\)Ugg'XYf'\(\hat{b}\) b[Y'Gd]Y`Yf']b'8fYgXYb a ca YbhUb'b]W\\h'[Ybi ['9]bgUhnnY]h'VY_\hat{A}a Y\(\frac{z}{k}\) Yg\U'V'X]YgYf GW\\frac{z}{k}\]hh'g]bbj c```gY]"

A Uf_hk YfhY]b XYf & "6i bXYg`][U

9]b '6`]W_'Ui Z'X]Y 'U_hi Y``Y 'A Uf_hg]hi Uh]cb ']b 'XYf '&" '6i bXYg`][U nY][hž XUgg '8 mb Ua c '8 fYgXYb 'a]h'Y]bYa '? UXYfk Yfh'j cb '&) ' ", , \$ HgX"' ']a 'A]hhY`ZY`X 'd`Uhn]Yfh']gh" '@Ui h'HfUbgZYfa Uf_h'VY`Y[Yb g]Y 'XYfnY]h'XYb '%+"'D`Uhn']a 'J Yf[`Y]WX 'ni 'XYb 'UbXYfYb 'J YfY]bYb" 8]Y 'HUVY``Y'j YfXYi h`]WX h'X]Y '? UXYfk YfhY 'nU\`fY]WX Yf '7`i Vgž'k cVY]

< c`ghY]b'?]Y``a]h'Y]bYa '; YgUa hk Yfh'j cb'(' %ž(\$'A]c"' 'Ub'XYf Gd]hnY'ghY \ h"

: Øf'8 mbUa c'8 fYgXYb'V`Y]Vh'Yg'gdUbbYbX"'A]h'k Y]hYfYb BYi ni [Àb[Yb'i bX'XYa 'f]W\h][Yb'; YgdØf'ZØf'X]Y'A UbbgW\UZh _ÒbbhY'X]Y'Gd]Y`nY]h']b'XYf'_ca a YbXYb'GU]gcb'ni 'Y]bYf YfZc`[fY]W\Yb'9bhk]W_`i b['k YfXYb"'8]Y'J YfUbhk cfh`]W\Yb gW\Y]bYb'[i h'[Yk UddbYhž'i a 'XYa 'HYUa 'Y]bY'ghUf_Y'6Ug]g'ni [UfUbh]YfYb"

8 YhU]`g	
Cfh	8 fYgXYbž8Yi hgWX`UbX
EiY``Yb	k k k "fUX]cXfYgXYb"XY
	• k k k "_]W <u>_</u> Yf"XY
	k k k "hfUbgZYfa Uf_h"XY

6Ygi WXYb 'G]Y 'i bg 'Ui Z. 'b!U["bYh