$? YmK Ygh 7UdhU]b 5ffYghYX Zcf G\Uf_GhUVV]b[]b G\cW_]b[GbUdWX Uh J]XYc$

5 '? Ym'K Ygh'Z]g\Yfa Ub'ZUWYg'Ub]a U``Wfi Y`hm'W\Uf[Yg'ZcfghUVV]b['U'g\Uf_']b'U'j]fU``GbUdW\Uh'j]XYc"'5i h\cf]h]Yg'i f[Y fYdcfh]b['cZ'k]`X`]ZY'j]c`Uh]cbg"



? Ym'K Yghž: `cf]XUž'I G5 !! ⊕ 'h\Y'\YUfh'cZ: `cf]XUž'U'X]ghi fV]b[
hfYbX']g'Ya Yf[]b[']bj c`j]b['h\Y'hfYUha Ybh'cZa Uf]bY'k]`X`]ZY"
FYWWbh']bW]XYbhg'\Uj Y'di h'U'gdch`][\h'cb'h\Y'UWh]cbg'cZ'gYj YfU`
]bX]j]Xi U`g'UbX'h\Y'gYf]ci g'`Y[U``WcbgYei YbWYg'h\Ym'ZUWY"
5a cb['h\Y'a cgh'bchUV`Y']g'NUbY'; UffYhhž'U'&*!mYUf!c`X'W\UfhYf
VcUh'WUdhU]b'Zfca '?Ym'K Yghž'k\c'\Ug'fYWYbh`m'VYYb'W\Uf[YX'Zcf\]g'g\cW_]b['UWh]cbg'WUdhi fYX']b'U'j]fU``GbUdW\Uh'j]XYc"

 $Cb^*A Um^*\&\&\check{z}^*h \land Y^*j \] XYc^*h] h^*YX^* 6i X^*6fc_Y^*A m^*FcX^*g \land YX^*; UffYhh fYdYUhYX^mghUVV] b [^U^Vi ^*^*g \land Uf_^bYUf^*U^*k fYW_*g] hY^*cZZ^*? Ym^*K Ygh^* 5g^*fYdcfhYX^Vm^*GWU^*mk U[^UbX^*J U[UVcbX\check{z}^* \ Y^*k Ug^*^UhYf UffYghYX^*Zcf^*U[[fUj UhYX^*Ub]a U^*Wfi Y^*hm^*UZhYf^*Ub^*Ubcbma ci g h]dghYf^*U^*YfhYX^*h \ Y^*: `cf]XU^*:]g \ `UbX^*K]^*X^*]ZY^*7cbgYfj Uh]cb$

7ca a]gg]cb'fl K 7Ł'hc'h\Y'[f]g`m'gW'bY"'H\Y'h]dghYf'Yl dfYggYX WcbWYfbg'UVci h'bch''l gh'h\Y'j]c`YbWY'hck UfXg'h\Y'g\Uf_'Vi h'U`gch\Y'hfci V`]b['hfYbX'cZ'g\ck WUg]b['gi W\'VY\Uj]cf'cb'gcW]U` a YX]U"

5 Wh]cbg UbX FYdYfW gg]cbg

8 i f]b['\]g'ei Ygh]cb]b[ž'; UffYhh'WU]a YX'\]g'ghUVV]b['k Ug'U Wca a cb'dfUWh]WY'hc'XYhYf'g\Uf_g'Zfca 'ghYU`]b['\]g'WUhW\Ygž XYgWf]V]b['h\Y'Ub]a U`'Ug'bch\]b['a cfY'h\Ub'U'bi]gUbWY" <ck Yj Yfž'\]g'a Yh\cXg']bj c'j YX'i bbYWYggUfm'\Ufa ž'Ug'h\Y'j]XYc XYd]WhYX'h\Y'g\Uf_'V`YYX]b['dfcZ gY`m'VYZcfY'VY]b['fY`YUgYX" 5i h\cf]h]Yg'ei]W_`m'WcbXYa bYX'; UffYhh g'UWh]cbgž'fYUZZ]fa]b['h\Y VY`]YZ'h\Uh'gi W\'Wfi Y`hm'\Ug'bc'd`UWY']b'hcXUm g'gcW]Yhm"

; UffYhh gʻUWh]cbgʻUfYʻʻʻt ghʻh\Yʻh]dʻcZʻh\Yʻ]WVYf["'5bch\Yfʻ]bWjXYbh]bj cʻj YXʻh\fYYʻ: `cf]XUʻa Ybžʻ]bWi X]b[ʻtG]YghUʻ? YmlʻfYU`]hmʻghUf A]W\UY`K YbnYʻžʻk \cʻZUWYXʻg]a]`UfʻW\Uf[YgʻZcfʻUb]a U``Wfi Y`hm fY`UhYXʻhcʻUbʻ=bghU[fUaʻj]XYcʻg\ck]b[ʻUʻg\Uf_'VY]b[ʻXfU[[YXVY\]bX'UʻVcUh"ʻH\YʻZU``ci hʻZfca ʻh\]gʻ]bWjXYbhʻgdUf_YX]bhYfbUh]cbU``ci hfU[YʻUbXʻ][b]hYXʻXYVUhYgʻWcbWfb]b[ʻh\YʻYh\]Wg cZ'k]`X`]ZYʻhfYUha Ybhž'k]h\ʻa UbmʻWU``]b[ʻZcfʻUʻVcmWchhicZʻh\Yʻg\ck ZYUhi f]b[ʻK YbnY`"ʻH\Yʻ: K 7ʻWcbXi WhYXʻUʻZci f!a cbh\]bj Ygh][Uh]cbʻ]bhcʻh\]gʻX]g\YUfhYb]b[ʻYj Ybhž`YUX]b[ʻhcʻW\Uf[Yg Zcf`YUW\`cZh\Yʻa Ybʻ]bj cʻj YX'"

5a cb['h\Y'gi gdYWhgž'K YbnY``UbX'FcVYfh'@YY'6YbUWZfca 6fUXYbhcbž'Ug'k Y```Ug'GdYbWYf'<Y]bhn'Zfca 'DU`a Yhhcž'fYWY]j YX a i `h]d`Y'ZY`cbm'Wci bhg'cZ'U[[fUj UhYX'Ub]a U``Wfi Y`hm'''9UWX'cZh\Y]f'UWh]cbg'\Ug'gdi ffYX'Ub[Yf'UbX'\Ug'`YX'hc'Ub'YggYbh]U`\\cbj YfgUh]cb''Uvci h'a Uf]bY'']ZY'WcbgYfj Uh]cb'']b': `cf]XU'' 5\W\cfX]b['hc'DUggU[YA U_Yfž': K 7'7\U]fa Ub'6c'F]j UfX Ya d\Ug]nYX'h\Uh'gi WX'VY\Uj]cf'i bXYfa]bYg'h\Y'YZZcfhg'hc \\cbgYfj Y'h\Y'ghUhY g'f]\W'\bUhi fU`'fYgci f\W'g''

$H\Y @Y[U): fUa Yk cf_$

 $H\ Y\ ``Y[\ U``fUa\]Z]WUh]cbg`cZ`h\ YgY`UWh]cbg`UfY`gYj\ YfY":\ `cf]XU`\ Ug$

 $ghf]b[Ybh``Uk g`]b`d`UWY`XYg][bYX`hc`dfchYWh`k]`X`]ZY`Zfca``WfiY`hmžk]h\`dYbU`h]Yg`h\Uh'j Ufm`XYdYbX]b[`cb`h\Y`bUhi fY`cZ`h\Y'j]c`Uh]cbUbX`h\Y`gdYW]Yg`]bj c`j YX"`J]c`Uh]cbg`WUb`fUb[Y`Zfca``Z]bYg`i d`hc`) $$`Zcf`a]gXYaYUbcfg`hc`\YZhm`df]gcb`gYbhYbWYg`Zcf`gYf]ci gcZZYbgYg": cf`Yl Uad`Yž`i b`Uk Zi``hfUZZ]W_]b[`cZ'dfchYWhYX`gdYW]YgWUb`Wci bh`Ug`U`h\]fX!XY[fYY`ZY`cbmž'dchYbh]U``m``YUX]b[`hc`Z]j YmYUfg`]b`df]gcb`UbX`Z]bYg`cZid`hc``) <math> z$$$z`Ug`ci h`]bYX`Vm`@Y[U`7`Uf]hm"$

#DX]j]Xi U`g`W\ Uf[YX`k]h\ 'h\ YgY'cZZYbgYg'bch'cb`m'ZUW' 'Z]bUbW]U`
dYbU`h]Yg'Vi h'a Um'U`gc 'YbWci bhYf'fYghf]Wh]cbg'cb '\i bh]b[
df]j]`Y[Yg'UbX'dchYbh]U```cgg'cZ'k]`X`]ZY!fY`UhYX'dYfa]hg"
: i fh\ Yfa cfYž'di V`]WUk UfYbYgg'UbX'j][]`UbW''d`Um'U'g][b]Z]WUbh
fc`Y']b'UXXfYgg]b['gi W\ 'j]c`Uh]cbg"'H\ Y': K 7 'YbWci fU[Yg
fYg]XYbhg'hc'fYdcfh'gi gdYWhYX'k]`X`]ZY'Wf]a Yg'h\ fci [\ 'h\ Y]f
K]`X`]ZY'5`Yfh' < ch`]bY'Uh', , ,!(\$(!: K 77"</pre>

5g: `cf]XU g'k UhYfg'Wcbh]bi Y'hc'VY'U'ZcWU``dc]bh'Zcf'WcbgYfj Uh]cb YZZcfhgž']h g'VYWca]b['UVi bXUbh`m'WYUf'h\ Uh'h\ YfY']g'a i W\ 'k cf_hc'VY'XcbY"'5g'h\ YgY'WUgYg'XYa cbghfUhYž'dfchYWh]b['ci f'k]`X`]ZY]g'Ub'cb[c]b['VUhh`Y"'H\ Y'ci hfU[Y'gdi ffYX'Vm'gi W\ 'UWhg'cZ'Wfi Y`hm]g'bch'^i gh'Ub'Yl dfYgg]cb'cZ'Ub[Yf'Vi h'U'fU``m]b['Wfm'Zcf'h\ YdfYgYfj Uh]cb'cZ'h\ YgY'a U[b]Z]WYbh'WfYUhi fYg'h\ Uh'd`Um'U'j]hU``fc`Y]b'ci f'YWcgmghYa"

8 YhU]`g	
Cfh	?YmK Yghž:`cf]XUžI G5
Ei Y``Yb	• gWU``mk U[UbXj U[UVcbX"Wca
	k k k "dUggU[Ya U_Yf"Wca`Y[U`WUf]hm"cf[

6 Ygi W Yb G]Y i bg Ui Z a Y]b!k]Yb "b Yh