i gh]WY 'Zcf'8YI hYf. 'A Ub 'GYbhYbWYX 'Zcf G\cW_]b['5b]a U` '7fi Y`hm'7UgY

8 ca]b[c'FcXf][iYn'k Ug'Wcbj]WhYX'cZ'Ub]a U`'WfiY`hm']b D]bY``Ug'7cibhm'Zcf'XYWUd]hUh]b['fYgW'Y'Xc['8YIhYfž'`YUX]b[hc'/eich/8YIhYf/_\$'-/g'@Uk''/eich/



cfh'8 Y'Gchcž'D]bY``Ug'7ci bhmž': `cf]XUž'I G5'!' ± 'U'g\cW_]b[
WUgY'h\Uh'\Ug'fUhh`YX'h\Y'`cWU``Wca a i b]hmž'8ca]b[c'FcXf][i Yn
k Ug'Wcbj]WhYX'Zcf'\]g'\cff]Z]WUWh]cbg'U[U]bgh'U'fYgW'Y'Xc[
bUa YX'8 YI hYf"'5ZhYf'UXcdh]b['h\]g']bbcWYbh'Zci f!mYUf!c`X'Vi ``Xc[
a]I 'Zfca 'D]bY``Ug'7ci bhm'5b]a U``GYfj]WYg']b'A Um'&\$&(ž
FcXf][i Yn'hcc_'cb`m'Zci f'XUmg'hc'Wca a]h'Ub'i bgdYU_UV`Y'UWh'cZ
Wfi Y`hm"'8 YI hYf'k Ug'`UhYf'X]gWcj YfYX'XYWUd]hUhYX'UbX'ghi ZZYX']b'U
d`Ugh]WVU['Ua]X'h\Y'a Ub[fcj Yg'cZ'9Ugh'6YUW\']b': cfh'8 Y'Gchcž
Ug'fYdcfhYX'Vm': cl'%' 'BYk g"

Cb::YVfi Ufm'&%z'&\$&) z'U''\ffm'Zci bX'FcXf][iYn'[i]\hm'cZ U[[fUj UhYX'Wfi Y\hm'hc'Ub]a U\g'UbX'i b\Uk Zi\X]gdcgU\cZ'VcX]Yg'cZ XYUX'Ub]a U\g'''<]g'gYbhYbWY cbY'mYUf']b''\Uj\'UbX'Ub'UXX]h]cbU\ *\$ 'XUmg'Zcf'h\Y']a dfcdYf'X]gdcgU``cZ'8YI hYfg'VcXm k Ug'gYYbbch'f gh'Ug'di b]g\a Ybh'Vi h'Ug'U'WUf]cb'WU```Zcf'UWh]cb'WcbWYfb]b[Ub]a U``k Y`ZUfY'`Uk g"'=b'hchU`ž'FcXf][i Yn'k Ug'cfXYfYX'hc'dUm`*ž'-)']b'Wci fh'Wcghg'UbX'Z]bYg"'<]g'fYWbh'UhhcfbYmg'a ch]cb'ZcfVcbXž'W]h]b['Ub'UddYU``UbX'FcXf][i Yn g'`UW_'cZ'U'dfYj]ci gWf]a]bU``fYWcfXž'UXXq'Ubch\Yf'`UmYf'hc'h\]g'hfci V`YX'gU[U"

5b CihWfm Zcf x gh]WY

H\Y`Wca a i b]hm`fYUWh]cb`hc`8YI hYf g`hfU[]WZUhY`\Ug`VYYb
fYa Uf_UV`Y": c``ck]b[`h\Y`[fi Ygca Y`X]gWcj Yfm`cb`A Um`%(ž`&\$&(ž
k\YfY`XYdi h]Yg`Zci bX`8YI hYf g``]ZY`Ygg`VcXm`Uh`: cfh`8Ygchc`DUf_ž
U`gk]Zh`di V`]Wci hWfm`Ya Yf[YX"`H\Y`]bj Ygh][Uh]cb`]bWi XYX
Yj]XYbWY`cZ`gi fj Y]``UbWY`ZcchU[Y`g\ck]b[`FcXf][i Yn`Xf]j]b[`hc
h\Y`dUf_`k]h\`U``Uf[Y`Wcc`Yf`'i gh`cbY`XUm`UZhYf`UXcdh]b[`8YI hYf"
H\]g``YX`hc`U`ghUhYk]XY`WUa dU][b`i f[]b[``Uk a U_Yfg`hc`fYgdcbX
XYW]g]j Y`m`hc`gi W\`Y[fY[]ci g`UWhg`cZ`Wfi Y`hm"

5g·h\Y`WU```Zcf'f gh]WY`[U]bYX'a ca Ybhi a ž'h\Y`]b]h]Uh]j Y`_bck b`Ug 8YI hYf g`@Uk ik Ug`Vcfbž'U]a]b['hc'Yb\UbW'dYbU`h]Yg`Zcf gYj YfY`Ub]a U``Wfi Y`hm'UbX`YghUV`]g\`U'fY[]ghfm'Zcf'cZZYbXYfg"'=b`U g][b]Z]WUbh'a cj Yž'; cj Yfbcf'Fcb'8YGUbh]g'g][bYX'h\]g``Uk ']bhc YZZYWh'cb`m``Ugh'a cbh\ž'i bXYfgWcf]b['h\Y`XYa UbX`Zcf'\Y][\hYbYX dfchYWh]cbg'Zcf'Ub]a U`g"'H\Y']a dUWh'cZ'h\]g'bYk '`Y[]g`Uh]cb']g YI dYWhYX'hc'g\UdY'Zi hi fY`Ub]a U`k Y`ZUfY`WUgYg']b': `cf]XUž'Xf]j Yb Vm'Wca a i b]hm'UXj cWUWh'h\Uh'fYgi `hYX']b'U`YhhYf'gi ddcfh]b['h\Y`Uk ž'g][bYX`Vm'Ub']a dfYgg]j Y'%(ž*, - 'fYg]XYbhg"

K]XYf = a d']WUh]cbg'Zcf'5b]a U'K Y'ZUfY

 $H\[g'WUgY'\]g'bch''f gh'UVci h'cbY'a Ub'ZUW]b[''f gh]WW/]h'cdYbg'i d'U'\[Vf'X\]gW'gg]cb'WcbWWfb]b['h\Y'YbZcfWWa Ybh'cZ'Ub]a U''k Y`ZUfY'Uk g bch'cb'm']b': `cf]XU'Vi h'UWfcgg'h\Y'I b]hYX'GhUhYg'''5'fYWWbh fYj]Yk''cZ'Ub]a U''k Y`ZUfY''Y[]g`Uh]cb'\][\`][\hg'U'hfci V`]b['hfYbX'cZ'i bXYfYbZcfWWa Ybhž'k\]W\'Wci `X'VY'gYYb'Ug'X]a]b]g\]b['h\Y'YZYWh]j YbYgg'cZ'gi W\'`Uk g'fB <math>7.6 \pm$ "'H\Y'WcbgYei YbWYg'cZ'ZU]`]b['hc'f][cfci g`m'YbZcfWW'h\YgY'`Uk g'WUb'VY'X]fY'Zcf'Ub]a U`g']b'bYYX cZ'dfchYWh]cb'UbX'gi ddcfh''

A Ubmj c]Wg']b'gcW]Yhm'UfY'bck 'UXj cWUh]b['Zcf'gmghYa]WW\Ub[Yghc'Ybgi fY'h\Uh'Ub]a U`'k Y`ZUfY'`Y[]g`Uh]cb']g'bch'cb`m'dUggYX'Vi h YbZcfWX'Wcbg]ghYbh`m"'H\YfY']g'U'[fck]b['fYWc[b]h]cb'h\Uh UXcdh]b['U'h\]W_Yfž'a cfY'gi VghUbh]j Y']bhYfdfYhUh]cb'cZ'h\Y'fi `Y'cZ`Uk cbY'h\Uh'Ya d\Ug]nYg'Ub]a U`'X][b]hmž'f][\hgž'UbX j i `bYfUV]`]hm Wci `X'dfcj]XY'U'ghfcb[Yf'ZfUa Yk cf_'Zcf'dfchYWh]b[j i `bYfUV`Y'Ub]a U`g"

5g'h\Y'Wci fh'VcbX'\YUf]b['Zcf'FcXf][i Yn'UddfcUW\Ygž'h\Y Wca a i b]hm'ghUbXg'i b]hYX']b'\cdY'h\Uh'h\]g'WUgY'k]``'fYgcbUhY VYmcbX'h\Y'Wci fhfcca ž'dfca dh]b['bYW\ggUfm'Wcbj YfgUh]cbg UVci h'Ub]a U`'k Y`ZUfY'UbX'`Y[]g`Uh]j Y'YbZcfW\a Ybh'bUh]cbk]XY" H\YfY g'gca Yh\]b['hc'VY'gU]X'Zcf'U'gcW]Yhm'h\Uh'dfchYWhg']hg'a cgh j i`bYfUV`Y'a Ya VYfgž'UbX']h'gYYa g'WYUf'h\Uh'k]h\'Wcbh]bi ci g j][]`UbW\'UbX'UXj c\WWhž'h\]g'[cU``WUb'VY'U\W]Yj YX"

| 8 Y hU]`g | |
|-----------|---|
| Cfh | : cfh'8 Y 'Gchcž'D]bY``Ug'7cibhmž': `cf]XUž'lG5 |
| EiY``Yb | • kkk"Zcl%'bYkg"Wca |
| | • k k k "]XUi gU"cf[|
| | • da WbW]"b`a "b]\"[cj |

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