



Neptun.Net Education Administration System

Users Guide for Students



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=b`h]g'gWYYb`mci`Wb]j]Yk`mci`f`VUg]WdYfgcbU`XUHU`UbX`YfY`mci`UfY`U`ck`YX`hc`YX]h`h`Ya`Vm
W]W]b[`h`Y`A`cX]ZmXUHU`Vi`hcb"

5HH9BH=C B`mci`f`XUHU`X]gd`UmYX`YfY`UfY`Wfi`WU`Ug`h`YmUfY`fYei`]fYXz`Ua`cb[`ch`Yfgz`hc`h`Y
UXa`]b]ghfU]h]cb`cZ`hU`fY`YZ`Zc`f`ZYgZ`cZ`gW`c`Ufg`]dg`cf`cZ`Uj`U]]b[`mci`k`h`gc`WU`gYW`f]m]gYfj`]WgZ
gc`mci`UfY`fYei`YghYX`hc`a`cX]Zm`h`Ya`cb`m]b`i`gh]Z]YX`WUgYg"

%`A`cX]Zm`VUg]WXUHU`hUV

<YfY`mci`Wb`YbhYf`mci`f`a`cX]Z]YX`XUHU`H`Y`a`cX]Z]W]h]cb`fYei`Ygh`gYbh`Vm`W]W]b[`hc`f`GYbX
a`cX]Z]W]h]cb`fYei`Ygh`k`j`VY`fY[`]ghYfYX`UbX`h`Y`gmgh`Ya`]ggi`Yg`U`V`b`Z]fa`U]h]cb"

8YdYbX]b[`cb`h`Y`]bgh]h`h]cb]g`gYh]b[`gz`h`Y`gYbh`a`cX]Z]W]h]cb`k`j`VY`U`W`V`d`h`YX`U`i`h`ca`U]h]W`m`cf
a`Ubi`U`m`Vm`Ub`UXa`]b]ghfU]h]cb`=b`h`Y`U`h`Yf`WUgYz`]h`Wb`c`W`f`h`U`h`h`Y`a`cX]Z]YX`XUHU`g`ci`X`VY
gi`Va`]h`YX`d`YfgcbU`m`UbX`i`gh]Zm`Vm`Xc`W`a`Ybhg`U`h`h`Y`9Xi`W]h]cb`5Xa`]b]ghfU]h]cb`C`Z]W`=b`gi`W
WUgYgz`h`Y`a`cX]Z]W]h]cb`gYbh`h`fci`[`h`Y`A`DYfgcbU`XUHU`g`W`Y`b`k`j`bch`Udd`YUf`]a`a`YX]U`h`n`z`Vi`h
cb`m`U`Z`h`f`]hg`Udd`f`c`j`U`":`cf`Z`f`h`Yf`]b`Z`c`fa`U]h]cb`U`V`ci`h`h`Y`g`Y`h]b[`g`Udd`]W`V`Y`]b`mci`f`]bgh]h`h]cb`UbX
cZ`Xc`W`a`Ybhg`f`Yei`]fYX`hc`i`gh]Zm`a`cX]Z]W]h]cb`gz`d`YUg`Y`V`b`gi`h`h`Y`9Xi`W]h]cb`5Xa`]b]ghfU]h]cb`C`Z]W`
cf`h`Y`]b`Z`c`fa`U]h]cb`Y`U`Z`Y`hg`di`V`]g`Y`X`Vm`mci`f`]bgh]h`h]cb"

&`A`cX]Z]W]h]cb`cZ`VUg]WXUHU`hUV

<YfY`mci`Wb`W`Y`W`mci`f`XUHU`a`cX]Z]W]h]cb`fYei`Ygh`g`h`U`h`mci`U`j`Y`g`Y`b`h`i`b`h`b`ck`z`UbX`]b`h`Y`U`gh
V`i`a`b`c`Z`h`Y`]gh`mci`Wb]j]Yk`h`Y`A`5`W`V`d`h`YX`i`W`Y`W`V`c`i`k`V`W`g`l`c`k`g`]Z`h`Y`U`dd`]W]h]cb`U`g`V`Y`Y`b
U`W`V`d`h`YX`U`f`Y`U`X`m`cf`b`ch`"

E i U`Z]WU]cbg

H\]g'gWYYb`X]gd`Umg`mci f`dfYj]ci g`ei U`]Z]WU]cbg`UbX`Ub[i U[Y`YI Ua g`h`Uh`Uj Y`VYYb`YbhYfYX`]bhc
h`Y`gmghYa "

H\]g'gWYYb`cb`midfcj]XYg`]bZcfa Uh]cb/`mci `UfY`bchU`ck YX`hc`a cX]ZmidfYj]ci g`ei U`]Z]WU]cb`XUHU
`YfY``G\ci `X`UbmXUHU`VY`fYW`fXYX`YffcbYci g`mcf`]Zmci `Uj Y`cVHU]bYX`bYk`ei U`]Z]WU]cbgž`mci
bYYX`hc`bch]Zmi`h`Y`9Xi WU]cb`5Xa]b]ghfUh]cb`]b`dYfgcbž`hc[Yh`Yf`k]h`h`Y`XcW`a Ybhg`dfcj]b[`gc"

%`DfYj]ci g`ei U`]Z]WU]cbg`hUV

<YfY`mci `WU]b`j]Yk`mci f`dfYj]ci g`ei U`]Z]WU]cbg`fiYUj]b[`Wf]Z]WU]hž`W`Y[Y`cf`i b]j Yfg]hmX]d`ca Už
Yh`W`"

&``@Ub[i U[Yg`hUV

<YfY`mci `WU]b`j]Yk`mci f`dfYj]ci g`Ub[i U[Y`YI Ua g`fYW`fXYX`]b`h`Y`gmghYa "

7 c b hUWh]b Zc fa Uh]cb

H\ jg'gWYYb WUb VY'i gYX'hc'i d'cUX'UbX'YX]h'mci f'Ve'bHUVh'XYHU]g'z'Ya U]'UXXfYggYg'z'd\cbY'bi a VYfg'z a U]'UbX'k YVg]hY'UXXfYggYg']b'dUfh]W'Uf''8i Y'hc'h'Y]f'dYfgcbU'bUhi fY'z']b'h'Y'gmghYa'h'YgY'XUHU WUb'cb'mVY'UWV'ggYX'Vm'mci'UbX'h'Y'UXa]b]ghfUhc'fg'Ui h'cf]gYX'hc'h'Uhi'di fdcgY''

K \Yb'ghYdd]b['h'fci [\ 'h'Y'UUVg'cZ'9a U]'UXXfYggYg'z'f'5XXfYggYg'z'f'f'F@UXXfYggYg'UbX'f'D\cbY' bi a VYfg'z'mci'k]''WUb'j]Yk'mci f'YbhYfYX'Ve'bHUVh']bZcfa Uh]cb'z'UbX'\YfY'mci'WUb'a cX]ZmUbX' fYa c]Y'h'Ya z'cf'UXX'bYk'XUHU'hc'h'Y'gmghYa ''

5 HH9B H=C B ' =h]g'j Yfm]a dcfHUbh'h'Uhi'mci 'YbhYf'UbX'_YYd'mci f'Ve'bHUVh']bZcfa Uh]cb'g'i d!hc!XUHY'z Ug'Vmih]g'k Um'h'Y'Ya d'cmYg'cZ'mci f']bgh]h' h]cb'WUb'Ve'bHUVh'mci ']Z'bYV'ggUf'n'z'gYV'e'bX'm'z'h'Y a YggU[Yg'z'k \]W'UfY'gYbh'hc'mci 'h'fci [\ 'BYdhi b'z'WUb'cb'mVY'XY'j' YfYX'hc'mci 'j]U'Y!a U]'cf'GA G]Z'mci f'cZ]W'U'Y!a U]'UXXfYgg'cf'a cV]Y'd\cbY'bi a VYf'g'Uj U]'UV'Y'z'h'fX'm'z'mci f'dYfa UbYbh'UXXfYgg d'Um]g'Ub'ja dcfHUbh'fc'Y'z'Ua cb['ch'Yfg'z']b'a U]b]h]b]b['dcghU'Ve'ffYgdcbXUbW'z']b']bgh]h' h]cbU'XUHU gi dd'mUbX']b'dfcdYf']bj c]W'b['cZ'ZY!dUm]b[''

%''5XX'bYk'Ve'bHUVh']bZcfa Uh]cb

Hc'i d'cUX'U'bYk'UWV'gg]V']h'm'z'i gY'h'Y'Vi h'cb'g'f'BYk' ''''f'hc'VY'Zci bX'cb'h'Y'UUV'Ve'bW'fbYX'z'YbhYf h'Y'bYk']bZcfa Uh]cb']b'h'Y'UddYUf]b['gWYYbz'UbX'W]W'f'GUj Yf''

&''A cX]Zm'Ve'bHUVh']bZcfa Uh]cb

=Z'mci'k Ubh'hc'a cX]Zm'U'XUHU'z'W]W'h'Y']b'_f'A cX]Zm']b'h'Y'fck'Ve'bW'fbYX'z']b'h'Y'dcd!i d'k]bXck WUffmci h'h'Y'a cX]Z]W]h]cb'g'fYei YghYX'z'UbX'W]W'f'GUj Yf''

' ''8Y'YhY'Ve'bHUVh']bZcfa Uh]cb

H'Y'gmghYa 'U'gc'U'ck'g'XY'Yh]b['z']Z'mci'gY'YVh'f'8Y'YhY'f'W'X'Y'W'Vcl']b'h'Y'XUHU'fck'z'k \]W'mci'k Ubh hc'XY'Yh'z'UbX'W]W'f'f'8Y'YhY'f''=Z'mci'k Ubh'hc'XY'Yh'U'XUHU'k \]W'k YfY'dfYj]ci'g'm'UXXYX'hc'h'Y HUv'z'gY'YVh'h'Y'W'X'Y'W'Vcl']b'h'Y'Ve'i a b'\YUXYf'z'k \]W'fYgi 'hg']b'h'Y'h]W']b['cZ'U'W'X'Y'W'Vcl' Yg']bU'XUHU'fck'g/h'Yb'W]W'f'f'8Y'YhY'f''

(''Df]bh'XUHU

mci'WUb'df]bh'h'Y']ghg'VmW]W']b['Z]fgh'hc'Df]bh]Ve'b'cb'hd'f][\ h'cZ'h'Y']gh'z'h'Yb'hc'h'Y'Vi h'cb f'Df]bh']b'h'Y'dcd!i d'k]bXck ''

) ''5XXfYgg'a cX]Z]W]h]cb'fYei Yghg

5XXfYgg'a cX]Z]W]h]cb'g'UfY'g][\ h'm'X]Z]YfYbh'z'fca'h'cgY'cZ'ch'Yf'Ve'bHUVh']bZcfa Uh]cb'z'cf'fYUgcbg a Ybh]cbYX'Uh'h'Y'VY[]bb]b['cZ'h']g'XYgW'dh]cb''=Z'mci'a cX]Zm'Ub'UXXfYgg'cf'UXX'U'bYk'UXXfYgg'z']h k]''VY'UXXYX'hc'UXXfYgg'a cX]Z]W]h]cb'fYei Yghg'E'h'YgY'WUb'VY'j]Yk'YX'Vm'W]W']b['f'5XXfYgg a cX]Z]W]h]cb'fYei Yghg'f'E'z'UbX'XYdYbX]b['cb'h'Y']bgh]h' h]cb'f'g'BYdhi b'gYh]b[g'z'h'Y'fYei Ygh'k]''VY UWV'dhYX'Ui hca Uh]W'z'cf'a Ubi U'm'Vm'Ub'UXa]b]ghfUhc'f''=b'h'Y'UhhYf'WUgY'z']h'a Umc'WV'f'h'Uhi'h'Y XUHU'a cX]Z]W]h]cb'mci'g'lc'i'X'fY[]ghYf']b'dYfgcb'UbX'f' gh]Z]YX'Vm'W'f'h]Z]W]h]g']b'h'Y'9Xi W]h]cb 5Xa]b]ghfUhc'f''5Z'h'f'h']g'z'h'Y'W'X'Y'W'Vcl' UX'UW'bh'hc'h'Y'fYei Ygh'i bXYf'h'Y'hYi h'f'5WV'dhYX'f'k]''VY a Uf_YX''

GcWU`gYW f]hmifC 9DŁ`ghUhi g

H\]g`]bhYfZJWU`ck g`mci `hc`W`YW`k` \Yh`Yf`mci f`]bgh]hi h]cb` \ Ug`Z`Z`YX`]hg`cV`][Uh]cb`hc`bch]Zm`h`Y
BUh]cbU`<YU`h`=bgi fUbVW` : i bX`cZ`mci f`UhY`bXUbVW`Z`UbX`Ug`U`fYgi`h`]Z`mci`UfY`Y`[U`m]bgi fYX`]b`h`Y
gcWU`gYW f]hmigmghYa`ghYa`a`]b[`Z`ca`mci f`ghi`XYb`h`fY`Uh]cbg`d`"

5HH9BH=CB`G`ci`X`mci`Z]bX`UbmiX]gVWYdUbVmi]b`k` \ Uh`]g`X]gd`UmYX`cb`h`]g`dU[Yz`d`YUgY`bch]Zm`h`Y
9Xi`W]h]cb`5Xa`]b]ghfUh]cb`Ug`gccb`Ug`dcgg]V`Y`"=Z`mci`ZJ`]hc`Xc`gcž`mci`a`][\ h` \ Uj`Y`gYf]ci`g`dfcV`Ya`g
Xi`Y`hc`h`Y`UW`cZVY]b[`Y`[U`m]bgi fYX`]b`h`Y`gcWU`gYW f]hmigmghYa`"

GYhh]b [g

=b`h\]g'gWYYb'mci`Wb`WUbl`Y'mci`f'dUggk`cfX`UbX`c[]b`bUa`Yz`W`ghca`jnY'mci`f`BYdhi`b`UWw`i`bh`
<YfY'mci`Wb`U'gc`gYh`k`\\W`'mci`f`dYfgcbU`XUH`mci`U`ck`hc`VY`UW`ggYX`]b`h`Y`a`Ybi`f`GYUfW`Zcf`
ghi`XYbhg`Vmimci`f`ZY`ck`!`ghi`XYbhg`"

5HH9BH=C B`H`Y`7`Ubl`Y`c[]b`bUa`Y`UbX`h`Y`7`Ubl`Y`dUggk`cfX`hUVg`k`]`cb`mUddYUf`Z`mci`f`
]bgh]hi`h]cb`a`UXY`h`Y`gY`Z`bW]cbg`Uj`Uj`UV`Y`Zcf`h`Y`ghi`XYbhg`"

%`7`Ubl`Y`c[]b`bUa`Y`

<YfY'mci`Wb`WUbl`Y`h`Y`c[]b`bUa`Y`h`U`mci`i`gY`Zcf`g[[]b[]b`hc`BYdhi`b`=b`XYZUj`h`h`g`]g`h`Y`
gUa`Y`Ug`mci`f`BYdhi`b`W`XY`":`cf`W`Ubl`]b[]`h`k`f`h`h`Y`XYg]fYX`c[]b`bUa`Y`f`cb`mWld]h`Y`h`Y`fg`UbX`
bi`a`VYfg`Wb`VY`i`gYX`E`]bhc`h`Y`[]j`Yb`Z]Y`X`UbX`W]W`cb`h`Y`7`Ubl`Y`c[]b`bUa`Y`Vi`h`cb`VY`ck`"

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W`XY`k`]`f`Ya`U]b`h`Y`gUa`Y`UbX`h`Y`U`h`Y`f`k`]`VY`i`gYX`Zcf`mci`f`]XYbh]Z]W]h]cb`]b`h`Y`YXi`W]h]cb`
UXa`]b]ghfU]h]cbz`gc`Xc`bch`Zcf`[Yh]h`"

&`7`Ubl`Y`dUggk`cfX`hUV`

H\]g`hUV`gYfj`Yg`hc`WUbl`Y`h`Y`c[]b`dUggk`cfX`mci`i`gY`Zcf`g[]b]b[]b`BYdhi`b`":`]fgh`YbhYf`mci`f`c`X`
dUggk`cfX`z`h`Yb`YbhYf`h`]W`h`Y`bYk`cbYz`h`Yb`W]W`7`Ubl`Y`dUggk`cfX`H`Y`gi`W`ggZ`dUggk`cfX`
WUbl`Y`k`]`VY`W`bZ]fa`YX`Vm`h`Y`gmghYa`"=h`]g`UXj`]gUV`Y`hc`i`gY`U`dUggk`cfX`W`bg]gh]b[]c`Z`U`gdYW]Z]W`
W`a`V]bU]h]cb`c`Z`U`d`Ubi`a`Yf]W]W`UfUW]fgz`k`\\W`Wb`bch`VY`YUg`]m[]i`YggYX`Vm`ch`Yf`dYcd`Y`
DUggk`cfXg`Wb`W`b]h]b]b`ck`Yf`UbX`i`ddYf`W]gY`<i`b[Uf]Ub`U`d`UVYh]W]W`UfUW]fgz`Ug`k`Y`Ug`
bi`a`YfU`g`"

=b`W]gY`mci`f`]bgh]hi`h]cb`i`gYg`U`X]ZZYfYb`h`gmghYa`Zcf`Ui`h`Ybh]W]h]cb`!`k`\\W`a`YUbg`mci`Wb`fhi`gYh`
mci`f`dUggk`cfX`k`]h`]b`h`Y`BYdhi`b`!`h`Yb`h`]g`hUV`k`]`bch`UddYUfz`Ug`mci`g`l`ci`X`WUbl`Y`mci`f`
dUggk`cfX`]b`h`U`h`ch`Yf`gmghYa`"

5HH9BH=C B`DUggk`cfXg`UfY`fYW`a`a`YbXYX`hc`VY`WUbl`YX`fY[]i`Uf`m`hc`d`fYj`Ybhi`bUi`h`cf]nYX`UW`gg`
hc`mci`f`dYfgcbU`gYh]b[]g`UbX`XUH`":`cf`h`]g`fYUgcbz`k`\\Yb`mci`Z]fgh]g[]b`]b`h`Y`gmghYa`z`h`]g`gWYYb`
UddYUfg`Ui`hca`Uh]W`n`=B`H<=G`75G9`MCI`G<CI`@8`7<5B;`9`MCI`F`D5GGK`CF8z`5B8`:`I`FH<9F`CB`
B9J9F`I`G9`MCI`F`6=F`H<`85H9`:`CF`=H`"

'`GYUfW`Ui`h`cf]nU]h]cb`hUV`

<YfY'mci`Wb`gYh`k`\\W`cZ`mci`f`dYfgcbU`XUH`UfY`U`ck`YX`hc`VY`j`]Yk`YX`]b`h`Y`gmghYa`Vmimci`f`
ZY`ck`!`ghi`XYbhg`i`g]b[]h`Y`GYUfW`Zcf`ghi`XYbhg`a`Yb`"ft`cf`Yi`Ua`d`Yz`]Z`mci`gY`VW`DYfa`]h`i`bXYf`
BYdhi`b`W`XY`z`mci`Wb`VY`Zci`bX`Vm`ch`Yf`i`gYfg`]b`h`Y`GYUfW`Zcf`ghi`XYbhg`gWYYb`k`\\Yb`h`Ym`
gYUfW`mci`Vmimci`f`BYdhi`b`W`XY`E`
5ZhYf`\\Uj`]b[]gY`VWYX`h`Y`fYei`]fYX`gYh]b[]gz`W]W`GUj`Y`"

("G_]b`g`hUV`

<YfY'mci`Wb`hc`W`ghca`jnY`h`Y`U`mci`h`cZ`mci`f`BYdhi`b`i`gYf`]bhYfZUW`Vm`W`ccg]b[]Z`ca`h`Y`Uj`U]UV`Y`
cdh]cbg`GY`VW`h`Y`XYg]fYX`h`Ya`Y`Z`ca`X`cd`!`Xck`b`a`Ybi`z`UbX`W]W`7`Ubl`Y`g_]b`"H`Y`gYh]b[]k`]`
VY`ghc`fYX`]b`h`Y`gmghYa`UbX`h`Y`i`gYf`]bhYfZUW`k`]`UddYUf`k`]h`h`Y`gY`VWYX`h`Ya`Y`"

Ghi X]Yg

HfU]b]b['XUHU

I g]b['h\Y'a Ybi 'mci 'WUbj jYk 'h\Y'XUHU'dYfHJ]b]b['hc'mci f'hfU]b]b[f]gk'UbX'gdYWU]gUh]cbf]gk" 'H\]g
gWYYb'cb'midfcj]XYg']bZcfa Uh]cb/'mci 'UfY'bch'U'ck YX'hc'a cX]ZmXUHJ'\YfY"'G\ci 'X'h\YfY'VY'Ubm
V\Ub[Yg'hc'mci f'XUHJ'cf'g\ci 'X'mci 'ZY'Y'h\Y'XUHJ'X]gd'UmY'X'jg']bVefYVWz'd'YUgY'WzbHUW'h\Y
9Xi WU]cb'5Xa]b]ghfUh]cb"

5 HH9B H=C B " 'H\Y']bhYfZJW'cb'miX]gd'UmY'gdYWU]gUh]cbg'Zcf'k \]V\mci '\Uj Y'U'fYUXmiVYYb
fY[]ghYfYX"'Hc'Udd'mZcf'U'gdYWU]gUh]cbz'W]W' "GdYWU]nUh]cb'Udd'WU]cb"'cb'h\Y'"5Xa]b]ghfUh]cb"
a Ybi "'<ck Yj Yfz'Udd'WU]cbg'a Uf_YX'\YfY'k]'bch'UddYUf'Uh'cbW'cb'h\Y'"gh'cZmci f
gdYWU]gUh]cbg'z'h\]g'k]'\UddYb'cb'miUZhYf'h\Y'fY[]ghfUh]cb'dfcW'gg'jg'WcgYX"

5 HH9B H=C B " 'H\Y'gWYYb'k]'U'k UmY]bZcfa 'mci 'UVci h'mci f'W'ffYb'h'mgY'YWYX'hfU]b]b["'G\ci 'X'mci
dUfh]W]dUhY']b'a cfY'h\Ub'cbY'hfU]b]b['z'VmW]W]b['h\Y'"7\Ub[Y'hfU]b]b["'Vi h'cb]b'h\Y'"HfU]b]b["
ZfUa Y'Uh'h\Y'hcd'Yzh'cZ'h\Y'dU[Yz'U'dcd!i d'UddYUfg']b'k \]V\mci 'WU]b'gY'YWU'hfU]b]b['cZmci fg
Zfca 'U'Xfcd!Xck b']gh'hc '\Uj Y'h\Y'fY'UhY'X']bZcfa Uh]cb'X]gd'UmY'X'cb'h\Y'gWYYb"

GYa YghYfg

H\]g'gfYYb'U'ck g'mci 'hc'X]gd'UmVUg]WXYHU]'g'cZmci f'gYa YghYfgz'VmigYa YghYfz'UbX'h\Y'fY[]ghYfYX gi V'YVWg'Zcf'h\Y'W ffYbh'gYa YghYf'"Mci 'U'gc'\Uj Y'h\Y'cdh]cb'cZj]Yk]b['XYHU]'g'cb]bX]j]Xi U' gi V'YVWg'UbX'mci f'fYgi 'hg'Zcf'h\Y'gi V'YVW'Ve'bWfbYX'"5XX]h]cbU'mz']b'h\Y'dfY'ja]bUfmiUbX'Z]bU' gi V'YVW'hfY[]ghfUh]cb'dYf]cX'Ug'k Y''Ug']b'h\Y'Ve'i fgY'fY[]ghfUh]cb'dYf]cX'z'i bXYf'gi V'YVW'XUH'z'mci 'UfY U'ck YX'hc'W'Ub[Y'Ve'i fgYg'cf'hc'XYfY[]ghYf'h\Y'dUfh]W'Uf'gi V'YVW'

K \Yb'cdYb]b['h\Y']bhYfZUW'z'h\Y'gi V'YVWg'cZ'h\Y'W ffYbh'gYa YghYf'k]''Ui hca Uh]W'`mVY'g\ck b"

%"8]gd'UmXUH'Zcf'gY'YVW'YX'gYa YghYf

GY'YVW'h\Y'gYa YghYf'hc'X]gd'UmZ'ca 'h\Y''GYa YghYfg''Xfcd!Xck b'']ghz'UbX'W]W'cb']h"

I]b['h\Y'Xfcd!Xck b'a Ybi 'U'h'h\Y'hd'cZ'h\Y'']gh'cZgi V'YVWg'z'mci 'a UmigdYV]Zm'h\Y'bi a VYf'cZ gi V'YVWg'h\Y'gmghYa 'g\ci 'X'X]gd'UmXUH'Zcf'dYf'dU[Y''=Z'h\Y'']gh]'g'cb[Yf'h\Ub'cbY'dU[Yz'mci 'a Um a cj Y'VYk YYb'dU[Yg']b'Vch'X]fYVW]cbg'Vmi]b['h\Y'Uffck g'U'h'h\Y'hd'cZ'h\Y'']gh'cf'h\Y'Xfcd!Xck b a Ybi "'6mW]W]b['h\Y'Df]bh]Veb'mci 'W]b'df]bh'h\Y'[]j Yb'dU[Y"

6mW]W]b['cb'h\Y'GYUfW']Veb'z'U'gYUfW']bhYfZUW'UddYUfg'U'h'h\Y'hd'cZ'h\Y'gi V'YVW'h]gh'"<YfY'mci W]b'gY'YVW'k \]W'XUH'cZ'h\Y'gi V'YVW'mci 'k]g\ 'hc'gYUfW' Z'ca 'U'Xfcd!Xck b'a Ybi "'H\Yb'gdYV]Zm h\Y'hYl h'mci 'UfY'cc_]b['Zcf'UbX'W]W]'GYUfW''"'5g'U'fYgi 'hz'h\Y'']gh'k]''cb'mVeb]h]b]gi V'YVWg' gUh]gZ]h]b['h\Y'gdYV]Z'YX'Ve'bX]h]cbg'"GYUfW'U'gc'k cf_g'Zcf'dUfh]U'k cfXg'z'UbX']g'W]gY!]bgYbg]h]j Y''=Z mci 'k Ubh'hc'gY'Y'h\Y'k \c'Y'']gh'U[U]b'z'YUj Y'h\Y''HYl h'hc'gYUfW'Zcf''Z]Y'X'Ya dhm]UbX'W]W]'GYUfW''"'

6mW]W]b['Ubm]Z]Y'X']b'h\Y'h]hY'VUf'cZ'h\Y'']ghz'mci 'a Umigcf'h\Y'Ve'b]h]bhg'cZ'h\Y'Ybh]fY'']gh UVVeb]fX]b['hc'h\Y'Z]Y'X'gY'YVW'YX'"H\Y'Z]Y'X'UVVeb]fX]b['hc'k \]W'h\Y'gi V'YVWg'UfY'gcf'hYX']g'X]gd'UmY'X']b U'X]Z]YfYbh'Ve'ci f'h\Ub'h\Y'ch'Yfgz'k \]Y'U'ga U''Uffck 'bYl h'hc']h'g\ck g'h\Y'gcf'h'cfXYf"

&"J]Yk 'fYgi 'hg

7]W]b['h\Y'f'fYgi 'hg]'Z]Y'X']b'h\Y'fck 'cZgi V'YVWg'X]gd'Um'g'U'dcd!i d'k]bXck 'g\ck]b['h\Y'']gh'cZ fYgi 'hg'fYVeb]fYX']b'h\Y'gmghYa 'Zcf'h\Y'gi V'YVW'Ve'bWfbYX"

' "Gi V'YVW'XYHU]'g

6mW]W]b['cb'Ubm'ch\Yf'XUH'cZ'U'gi V'YVW'z'U'dcd!i d'k]bXck 'k]''X]gd'Um'h\Y'gi V'YVW'XYHU]'g'"6m W]W]b['cb'h\Y'U]Vg'mci 'a UmW'YV'U]g]WXYUH'cb'h\Y'gi V'YVW'Ve'bWfbYX'fY'"["'XYgW']dh]cbz fYgdc]bg]V'Y'YVW' fYfz'gi V'YVW'cf[Ub]gUh]cbU'i b]h'z'YVW'z'U'Ve'i fgY'']gh'Zcf'h\Y'gi V'YVW'gm'UVi'g'UbX hYl hVcc_g'gi gY'Zcf'h\Y'Ve'i fgY'f]Zi d'cUXYX']bhc'h\Y'gmghYa 'ez'Ug'k Y''Ug'h\Y'']gh'cZ'gh' XYbhg fY[]ghYfYX'Zcf'h\Y'gi V'YVW'Zcf'h\Y'dUfh]W'Uf'gYa YghYf"

(' "7\Ub[Y'Ve'i fgYz'XYfY[]ghYf'gi V'YVW'h'cb'mXi f]b['h\Y'g][b!i d'dYf]cXz

I gY'h\Y'W'YV'Vcl]b'h\Y'Ugh'Ve'i a b'cZ'h\Y'']gh'cb'h\Y''5j U]UV'Y'Ve'i fgYg''hUV'i bXYf'Gi V'YVW' XYHU]'g'hc'gY'YVW'h\Y'Ve'i fgYfg'z'mci 'k]g\ 'hc'fY[]ghYfz'UbX'WYUf'h\Y'W'YV'Vcl Yg'Zcf'h\Y'Ve'i fgYfg'z' mci 'k]g\ 'hc'XYfY[]ghYf'"7]W]'GUj Y''hc'\Uj Y'h\Y'gmghYa 'g][b'mci 'i d'Zcf'h\Y'XYg]fYX'Ve'i fgYfg'z']Z d'cg]V'Y'"H\Y'gmghYa 'bch]Z]Yg'mci 'cZ'h\Y'dYfZ'ca YX'fY[]ghfUh]cb'cf'gYbX'Ub'Yffcf'XYgW']dh]cb a YggU[Y''Mci 'a UmXYfY[]ghYf'U'gi V'YVW'Vm]W]W]b['h\Y''8YfY[]ghYf'gi V'YVW'Vi h'cb'"H\Y'gmghYa gYbXg'U'Ve'bZ]fa Uh]cb'cf'U'd'cg]V'Y'Yffcf'a YggU[Y"

) "'7ci fgY'XYHU]'g

6mW]W]b['cb'Ubm'Ve'i fgY'XUH']b'h\Y''5j U]UV'Y'Ve'i fgYg'']ghz'h\Y''7ci fgY'XYHU]'g'']bhYfZUW']g X]gd'UmY'X'"7ci fgY']bZ'ca Uh]cb']g'X]gd'UmY'X'cb'U]Vg'z]g]a]Uf'hc'h\Y'k]bXck 'cb'gi V'YVW'XUH'"H\Y' "Gh'XYbhg''hUV'cb'mX]gd'Um'g'h\Y'']gh'cZ'gh' XYbhg'fY[]ghYfYX'Zcf'h\Uh'Ve'i fgY'"H\Y''H]a YHUV'Y''HUV g\ck g'h\Y'']gh'cZ'Yggcbg'Zcf'h\Y'dUfh]W'Uf'Ve'i fgY'/\ck Yj Yfz'Uzh'f'Ve'a d'Yh]b['h\Y'fY[]ghfUh]cb'Zcf h\Y'gi V'YVW'UbX'Ve'i fgYg'z'U'mci f'fY[]ghYfYX'Ve'i fgYg'W]b'VY'j]Yk YX']b'cbY'd'UW'z'i bXYf'"H]a YHUV'Y'']b'h\Y''Gh'X]Yg'a Ybi "

H]a YhUV`Y

H\]g'gWYYb'gYfj Yg'hc'X]gd'Umimci f'h]a YhUV`Y'cZ`Yggcbg'UbX`YI Ua `cfXYf'VUgYX'cb'mci f'gYHh]b[g"
=bZcfa Uh]cb'cb'gi V`YVWg'UbX`YI Ua g'X]gd'UmYX`WUb`U'gc'VY`UWVWggYX`Zfca `YfY" `8i f]b[`h\Y
fY[]ghfUh]cb'dYf]cX'mci `UfY`U`ck YX`hc`VWUb[Y`Vei fgYg'cf'XYfY[]ghYf'gi V`YVWg"

%`H]a YhUV`Y`X]gd'UmigYHh]b[g

I]g]b[`h\Y`Xfcd! Xck b`]ghZ`Zfgh'gY`VWk \]W`gYa YghYf'hc'X]gd'Umh\Y`h]a YhUV`Y`Zcf" H\YbZ'i bXYf
`=hYa g'hc'X]gd'UmZ'gY`VWk \Yh\Yf'hc'X]gd'Um`Yggcbg'cf'YI Ua g'cZh\Y'dUfh]W`Uf'gYa YghYf"

9I Ua g'a UmVY`ei Yf]YX`Zcf`U[]j Yb`k YY`_cf'gi a a Uf]nYX`Zcf'h\Y`Ybh]fY`gYa YghYfZ`UbX`mci `a UmigYh
h\Y`XUHy`Zfca `k \]W`h\Ym'g\ci `X`VY`X]gd'UmYX`Vmih\Y`dfc[fUa " H\Y`XYZUj`hj`U`i`Y`]g'h\Y`W`ffYbh
XUHy`"5ZNYf'h\Y`fYei]fYX`XUHy`\Ug`VYyb`gd`YVWZ]YXZ`h\Y`XUHy`W`b`VWfb]b[`h\Y`W`ffYgdcX]b[`k`YY`_
g\U`VY`]ghYX`cb`h\Y`gWYYb`fk \Yb`h\Y`K`YY`_cdh]cb`]g'gY`VWYX`Ez`cf'mci f`Yggcbg`gWYX`i`YX`Zcf`h\Y`
Ybh]fY`gYa YghYf`Z`ck]b[`h\Y`gY`VWYX`XUHy`fk \Yb`h\Y` 9bh]fY`gYa YghYf`_cdh]cb`]g'gY`VWYX`E`H\Y`
`UHyf`Z`bW]cb`a`U]b`m]g]a`d`]Z]Yg`h\Y`hfUW_]b[`cZ`h\Y]f'h]a YhUV`Y`Zcf`h\Y`gYa YghYf` Zcf`X]ghUb`W
`YUfb]b[`cf`W`ffYgdcX`Yb`W`ghi`XYbhg` "

6Yg]XYg'h\Y`cdh]cbg'a`Ybh]cbYX`fY[UfX]b[`YI Ua gZ`Yggcbg'a`Um`U'gc'VY`ei Yf]YX`]b`U` gi a a Uf]gYX
Zcfa " `=h\]g`WUgY`h\Y`Ybh]fY`gYa YghYf`k`]`VY`]ghYX`]b`h\Y`Zcfa `cZ`k`YY`_`mh]a YhUV`Yg`Zfca `k \]W`E
Ua`cb[`ch\Yfg`E`mci `WUb`Z]bX`ci`h`k \]W`k`YY`_g`fYj`YbZ`cXXZ`U`E`h\Y` []j`Yb`Yggcbg`k`]`VY`Y`X`cb`"
H\]g`Z`bW]cb`a`U]b`m]g]a`d`]Z]Yg`h\Y`hfUW_]b[`cZ`h\Y]f'h]a YhUV`Y` Zcf`Z` `h]a`Y`UbX`Yj`Yb]b[`W`ei`fgY
ghi`XYbhg` " : `cf`h\]g`cdh]cbZ`h\Y`"GHUfh`XUHy`"Z]Y`X`WUbbch`VY`W`Ub[`YX`"

K]h\`h\Y`YI`W`dh]cb`cZ`h\Y`ghUfh`XUHy`Z`h]a YhUV`Y`gYHh]b[g`UfY`gUj`YXZ`a`YUub]b[`h\U`h`h`k`]`VY`
X]gd'UmYX`UW`W`fX]b[`hc`mci`f`dfYj`]ci`g`W`c]W`g`h\Y`b`YI`h`h]a`Y`mci` `c[`]b`"

&"`Df]bh]h]a YhUV`Y

7`]W`_`Df]bhUV`Y`j`Yfg]cb`Z`h\Yb`"Df]bh`"]b`h\Y`k`]bXck`h\U`h`X]gd'Um`g`hc`df]bh`h\Y`h]a YhUV`Y`W`ffYbh`m
X]gd'UmYX`cb`h\Y`gWYYb`" =b`h\]g`WUgY`U`]bZcfa`Uh]cb`fY[UfX]b[`Yggcbg`cf`YI Ua`g`k`]`UddYUf`]b`df]bh
YI`UW`m`Ug`X]gd'UmYX`cb`h\Y`h]a YhUV`Y`]bhYfZUW`"

7`]W`_`Df]bh`]gh` `hc`df]bh`U`g]a`d`]Z]YX`]ghZ`k \]W`W`b`h]U]bg`h\Y`dfYW]gY`h]a`Y`cZ`Yggcbg`UbX`YI Ua`g`Ug
k`Y`Ug`h\Y`b`Ua`Yg`cZ`gi`V`YVWg`"G]a`]Uf`hc`h\Y`"9bh]fY`gYa YghYf`_cdh]cbZ`h\]g`hmdY`cZ`df]bhci`h`]g
i`gYZ` `Zcf`W`ffYgdcX`Yb`W`cf`X]ghUb`W`YUfb]b[`ghi`XYbhg`"

`"]Yk`h]a YhUV`Y`]hYa`X`Y`hU]`g`

7`]W`_`cb`U`h]a YhUV`Y`]hYa`E`Yggcb`cf`YI Ua`E`hc`X]gd'Um`U`dcd!`i`d`k`]bXck`]gh]b[`Gi`V`YVW`X`Y`hU]`g`"]b
h\Y`WUgY`cZ`U`YggcbZ`cf`"9I Ua`X`Y`hU]`g`"]b`h\Y`WUgY`cZ`Ub`YI Ua`"F`Y[UfX]b[`gi`V`YVWg`Z`Xi`f]b[`h\Y`
g] [b!`i`d`dYf]cX`mci`UfY`U`ck`YX`hc`VW`Ub[Y`Vei`fgYg`cf`hc`WUb`W`h\Y`gi`V`YVW`Z`'i`gh`]_Y`Ug`]b`h\Y`WUgY`
cZ`h\Y`a`Ybi`]hYa`g`Gi`V`YVWg`#Gi`V`YVW`fY[]ghfUh]cb`cf`G`h`X]Yg`#GYa`YghYfg`"

=b`h`l]g`gWYYbz`mci`WU`b`W`Y`W`h`h`Y`X`U`H`U`c`Z`V`c`h`l`m`c`i`f`Z`b`]g`Y`X`U`b`X`W`f`f`Y`b`h`g`Y`a`Y`g`h`Y`f`g`z`h`Y`f`
W`f`f`Y`g`d`c`b`X`]b`[`f`U`X`Y`U`j`Y`f`U`[`Y`g`z`U`g`k`Y`U`g`h`Y`f`Y`[`]g`h`Y`f`Y`X`U`b`X`Y`U`f`b`Y`X`W`Y`X`]h`g`"M`c`i`W`U`b`U`g`c`j`]Y`k`h`Y`
U`a`c`i`b`h`c`Z`m`c`i`f`f`Y`H`U`_`Y`b`Y`I`U`a`g`V`c`h`l`V`m`g`Y`a`Y`g`h`Y`f`U`b`X`W`a`i`U`h`Y`X`Z`c`f`m`c`i`f`g`h`i`X`]Y`g`"

G`Y`Y`W`h`Y`X`W`Y`X`]h`g`."`h`c`H`U`U`a`c`i`b`h`c`Z`W`Y`X`]h`g`Z`c`f`h`Y`g`i`V`Y`W`h`g`f`Y`[`]g`h`Y`f`Y`X`]b`h`Y`W`f`f`Y`b`h`g`Y`a`Y`g`h`Y`f`
X`i`f`]b`[`g`i`V`Y`W`h`g`f`Y`[`]g`h`f`U`h`]c`b`"

H`c`H`U`U`g`Y`Y`W`h`Y`X`W`Y`X`]h`g`."`h`c`H`U`U`a`c`i`b`h`c`Z`W`Y`X`]h`g`Z`c`f`U`U`g`i`V`Y`W`h`g`f`Y`[`]g`h`Y`f`Y`X`]b`h`Y`W`f`f`Y`b`h`U`b`X`h`Y`
d`f`Y`j`]c`i`g`g`Y`a`Y`g`h`Y`f`X`i`f`]b`[`g`i`V`Y`W`h`g`f`Y`[`]g`h`f`U`h`]c`b`"

9`U`f`b`Y`X`W`Y`X`]h`g`."`h`c`H`U`U`a`c`i`b`h`c`Z`W`Y`X`]h`g`Z`c`f`g`i`W`W`g`g`z`"m`Z`b`]g`Y`X`g`i`V`Y`W`h`g`f`Y`[`]b`h`Y`W`f`f`Y`b`h`g`Y`a`Y`g`h`Y`f`"

H`c`H`U`U`Y`U`f`b`Y`X`W`Y`X`]h`g`."`h`c`H`U`U`a`c`i`b`h`c`Z`W`Y`X`]h`g`Z`c`f`h`Y`g`i`W`W`g`g`z`"m`Z`b`]g`Y`X`g`i`V`Y`W`h`g`f`Y`[`]b`h`Y`W`f`f`Y`b`h`
U`b`X`h`Y`d`f`Y`j`]c`i`g`g`Y`a`Y`g`h`Y`f`"

5`j`Y`f`U`[`Y`."`U`b`U`j`Y`f`U`[`Y`j`U`i`Y`W`W`U`h`Y`X`Z`f`c`a`h`Y`f`Y`g`i`h`g`c`Z`h`Y`W`f`f`Y`b`h`g`Y`a`Y`g`h`Y`f`"H`Y`f`i`Y`g`c`Z`
U`j`Y`f`U`[`Y`W`W`U`h`]c`b`f`k`]W`g`i`V`Y`W`h`g`f`Y`[`]b`W`i`X`Y`X`z`k`U`h`k`Y`[`h`g`U`f`Y`U`d`d`]Y`X`z`Y`h`W`E`U`f`Y`X`Y`h`Y`f`a`]b`Y`X`
V`m`Y`U`W`]b`g`h`i`h`Y`U`h`]h`g`c`k`b`X`]g`W`Y`h`]c`b`":`c`f`z`f`h`Y`f`]b`Z`c`f`a`U`h`]c`b`d`Y`U`g`Y`W`e`b`g`i`h`h`Y`G`h`i`X`m`U`b`X`9`I`U`a`
F`i`Y`g`c`Z`m`c`i`f`]b`g`h`i`h`Y`c`f`h`Y`9`X`i`W`h`]c`b`5`X`a`]b`]g`h`f`U`h`]c`b`C`Z`]W`"

7`i`a`i`U`h`j`Y`U`j`Y`f`U`[`Y`."`U`W`a`i`U`h`j`Y`U`j`Y`f`U`[`Y`W`W`U`h`Y`X`Z`f`c`a`f`Y`g`i`h`g`c`Z`h`Y`W`f`f`Y`b`h`U`b`X`d`f`Y`j`]c`i`g`
g`Y`a`Y`g`h`Y`f`"5`g`c`]b`h`l]g`W`g`Y`z`h`Y`X`Y`h`Y`f`a`]b`U`h`]c`b`c`Z`U`j`Y`f`U`[`Y`W`W`U`h`]c`b`f`i`Y`g`Z`U`g`k`]h`]b`h`Y`
W`e`a`d`Y`h`Y`b`W`c`Z`h`Y`l`[`Y`f`Y`X`i`W`h`]c`b`]b`g`h`i`h`]c`b`"

G`W`c`U`f`g`l`d`]b`X`Y`I`."`U`b`]b`X`Y`I`W`W`U`h`Y`X`V`m`h`Y`f`i`Y`g`X`Y`h`Y`f`a`]b`Y`X`V`m`h`Y`l`[`Y`f`Y`X`i`W`h`]c`b`
]b`g`h`i`h`]c`b`Z`c`f`X`Y`h`Y`f`a`]b`]b`[`h`Y`g`i`a`c`Z`m`c`i`f`g`W`c`U`f`g`l`d`[`f`U`b`h`Y`h`c`m`c`i`U`W`W`f`X`]b`[`h`c`m`c`i`f`f`Y`g`i`h`g`"
:`c`f`U`X`X`]h`]c`b`U`]b`Z`c`f`a`U`h`]c`b`U`V`c`i`h`h`Y`Z`c`f`a`i`U`U`d`d`]Y`X`Z`c`f`W`W`U`h`]b`[`h`Y`]b`X`Y`I`d`Y`U`g`Y`W`e`b`h`U`W`h`Y`h`Y`f`
h`Y`G`h`i`X`m`U`b`X`9`I`U`a`F`i`Y`g`c`Z`m`c`i`f`]b`g`h`i`h`]c`b`c`f`h`Y`9`X`i`W`h`]c`b`5`X`a`]b`]g`h`f`U`h`]c`b`C`Z`]W`"

A Uf_Vcc_

H\]g'gWYYb'X]gd'Umg'h\Y'X][]hU'j Yfg]cb'cZ'mci f'ia Uf_Vcc_'VmigYa YghYf'UbX'h\Y'cZZ]WU'Ybhf]Yg'UXXYX
]b'h\Y'gYa YghYf'WcbWfbYX" '6migY'YVW]b['Ub'hYa 'Zfca 'h\Y'']gh'cZ'GYa YghYfg'z'h\Y'XUHJ'Zcf'h\Y
dUfh]W'Uf'gYa YghYf'UddYUfg" '6mXYZUj 'h'z'h\Y'gmghYa 'cUXg'XUHJ'cb'h\Y'W'ffYbh'gYa YghYf"

6mW]W]b['h\Y' "Df]bhUV'Y'j Yfg]cb" 'Vi h'cbz'h\Y'XUHJ'X]gd'UmYX'cb'h\Y'gWYYb'WUb'VY'df]bhYX"

=b'h\Y''Ugh'Wc'i a b'h]hYX''; i 'Z''YX''h\Y'gmghYa 'X]gd'Umg'k \Yh\Yf'cf'bch'mci '\Uj'Y'Z]b]g\YX'h\Y' []j Yb
gi V'YVW'iUVW'fX]b['hc'h\Y'XUHJ'fY[]ghYfYX]b'h\Y'BYdhi b'gmghYa " '=b'cfXYf'hc'U'ck 'YUgmifYWc[b]h]cb
cZ'gi V'YVW'g'z'Z]b]g\YX'gi V'YVW'g'k]''VY'\][\][\ h'YX'U'gc'VmU'X]ZZYfYbh'VUW_[fci bX'Wc'ci f"

7i ff]W`i a

H\]g'gWYYb'gYfj Yg'hc'X]gd'Umh\Y'W ff]W`i a g'VtbbYVWYX'hc'mci f'hfU]b]b['UbX'h\Y'fY'UhYX'gi V'YVWg"
6mW]W]b['h\Y'Df]bh]Vt'b'Uh'h\Y'hd'f]['h'c'Z']ghgž'mci 'W]b'df]bh'Vch\ h\Y'']gh'c'Z'W ff]W`i a g'UbX'c'Z
h\Y'fY'UhYX'gi V'YVWg"

%"@gh'Gi V'YVWg'c'Z'W ff]W`i a

=Z'mci 'k Ubh'hc'gY'Y'h\Y'gi V'YVWg'fY'UhYX'hc'U'dUfh]W`Uf'W ff]W`i a 'hYa d'UhYž'gY'YVW'Ubmbi a VYf'c'Z
W ff]W`i a 'hYa d'UhYg'Vmi g]b['h\Y'W'Y'W'Vcl Yg'hc' h\Y'f]['h' UbX'W]W' "@gh'gi V'YVWg""6mi g]b['h\Y'
W'Y'W'Vcl ']b'h\Y'\YUXYf'c'Z'h\Y'']ghž'mci 'W]b'gY'YVW'cf'XYgY'YVW'U''']ghYX'W ff]W`i a 'hYa d'UhYg'Uh
cbVW"

Gi V'YVWg'U'fYUXm]Z]b]g\YX'UfY'a Uf_YX']b'V'i Y']b'h\Y'']gh'c'Z'Gi V'YVW'']gh'c'Z'h\Y'W'cgYb'W ff]W`i a ""
5XX]h]cbU'mž'h\Y''Ugh'k'c'Vt'i a bg'c'Z'h\Y'']gh'X]gd'Umh\Y'[fUXYg'fYVW'] YX'Zcf'h\YgY'gi V'YVWgž'UbX
h\Y'bi a VYf'c'Z'h]a Yg'mci 'k YfY'fY[]ghYfYX'Zcf'h\Ya "

&"8]gd'Umž'gYUfVW'UbX'gcf'h'cdh]cbg'Zcf'h\Y'gi V'YVW'']gh

5h'h\Y'hd'c'Z'h\Y'']gh'mci 'a UmigdYV]Zm'h\Y'bi a VYf'c'Z'gi V'YVWg'h\Y'gmghYa 'g\ci 'X'X]gd'UmXUH]Zcf
dYf'dU[Y""=Z'h\Y'']gh']g'cb[Yf'h\Ub'cbY'dU[Yž'mci 'a Uma'cj Y'VYhk'YYb'dU[Yg']b'Vch\X]fYVW]cbg'Vm
i g]b['h\Y'Uffck'g'Uh'h\Y'hd'c'Z'h\Y'']gh'cf'h\Y'Xfed! Xck'b'a Ybi "

6mW]W]b['cb'h\Y'GYUfVW']Vt'bž'U'gYUfVW']b'hYfZUW'UddYUfg'Uh'h\Y'hd'c'Z'h\Y'gi V'YVW'']gh"<YfY'mci
W]b'gY'YVW'k \]W'XUH]c'Z'h\Y'gi V'YVW'mci 'k]g\hc'gYUfVW'Z'ca 'U'Xfed! Xck'b'a Ybi ""H\Yb'gdYV]Zm
h\Y'hYI'h'mci 'UfY'cc_]b['Zcf'UbX'W]W]'GYUfVW'""5g'U'fYgi 'hž'h\Y'']gh'k']"cb'm'Vt'bH]b]gi V'YVWg
gUh]gž]h]b['h\Y'gdYV]Z]YX'Vt'bX]h]cbg""GYUfVW'U'gc'k'cf_g'Zcf'dUfh]U'k'cfXgž'UbX']g'W]gY!]bgYbg]h]j'Y""=Z
mci 'k Ubh'hc'gY'Y'h\Y'k \c'Y'']gh'U[U]bž'YUj'Y'h\Y''H\Y'h'hc'gYUfVW'Zcf""Z]Y'X'Ya d'hm'UbX'W]W]'""GYUfVW'""

6mW]W]b['Ubm]Z]Y'X']b'h\Y'h]hY'VUf'c'Z'h\Y'']ghž'mci 'a Umigcf'h'h\Y'Vt'b'hY'bhg'c'Z'h\Y'Ybh]fY'']gh
U'Vt'fX]b['hc'h\Y'Z]Y'X'gY'YVWYX""H\Y'Z]Y'X'U'Vt'fX]b['hc'k \]W'h\Y'gi V'YVWg'UfY'gcf'hYX']g'X]gd'UmYX']b
U'X]Z]YfYbh'Vt'ci f'h\Ub'h\Y'ch\Y'f'gž'k \]Y'U'ga U''Uffck'byI'h'hc']h'g\ck'g'h\Y'gcf'h'cfXYf"

' "Gi V'YVW'XUH

6mW]W]b['cb'UbmXUH]c'Z'U'gi V'YVWž'U'dcd! i d'k]bXck'k']"X]gd'Umh\Y'gi V'YVW'XUH""6mW]W]b['cb
h\Y'hUVg'mci 'a Um'W'Y'W'VUg]W'XUH]cb'h\Y'gi V'YVW'Vt'b'W'fbYX'fY"[""XYgW]dh]cbž'fYgdcbg]V'Y
'YVW' fYfž'gi V'YVW'cf[Ub]gUh]cbU'i b]hž'YH'Vž'Vt'i fgYgž'gm'UVi g'UbX'hYI'hVcc_g'i gYX'Zcf'h\Y'Vt'i fgY'f]Z
i d'cUXYX']bhc'h\Y'gmghYa tž'Ug'k'Y''Ug'h\Y'']gh'c'Z'gh'XYbhg'fY[]ghYfYX'Zcf'h\Y'gi V'YVW'Zcf'h\Y'W ffYbh
gYa YghYf"

(""7ci fgY'XUH

6mW]W]b['cb'UbmVt'i fgY'XUH]b'h\Y''5j U]UV'Y'Vt'i fgYg''']ghž'mci 'k']"VY'g\ck'b'XUH]dYfH]b]b['hc
h\Y'dUfh]W'Uf'Vt'i fgY'c'Z'h\Y'gi V'YVW''7ci fgY']bZ'ca Uh]cb']g'X]gd'UmYX'cb'hUVg']b'h\Y'gW'Y'Yb'h\Uh
dcdg! i dž]g]a]Uf'hc'h\Y'k]bXck'cb'gi V'YVW'XUH""H\Y''Gh'XYbhg""hUV'cb'mX]gd'Um'g'h\Y'']gh'c'Z
gh'XYbhg'fY[]ghYfYX'Zcf'h\Uh'Vt'i fgY""H\Y''H]a YHUV'Y""HUV'g\ck'g'h\Y'']gh'c'Z'Yggcbg'Zcf'h\Y'dUfh]W'Uf
Vt'i fgY/\ck'Yj Yfž'Už'Yf'Vt'a d'Yh]b['h\Y'fY[]gh'U]cb'Zcf'h\Y'gi V'YVW'UbX'Vt'i fgYgž'U''Vt'i fgYg'mci
\Uj'Y'g][bYX! i d'Zcf'W]b'VY'j]Yk'YX']b'cbY'd'UW'ž'i bXYf''H]a YHUV'Y'']b'h\Y''Gh'X]Yg'a Ybi "

A]Yghc bYg

H\]g'gWYYb'gYfj Yg'Zcf'j]Yk]b['h\Y'']gh'cZ'mci f'gc! W\''YX'ghi X'mia]'YghcbYg'' H\YgY'UfY'W\ea d'YI
W\ebX]h]cbg'h\Y']bgh]hi h]cb'gYhg]hg'ghi XYbhg'VUgYX'cb']hg'ck b'Ghi X'miUbX'9I Ua 'Fi 'Yg'' =bgh]hi h]cbg
\Uj Y'a Ubmidcgg]V']h]Yg'hc'gYh'a]'YghcbY'W'hYf]U/']b' UXX]h]cb'hc'h\]b'hYfZUW'z'z f'h\Yf']bZcfa Uh]cb
UVci h'h\Y'fi 'Yg'W\ebW'fb]b['mci 'W\bd'f]a Uf]m'VY'Zci bX']b'h\Y'Ghi X'miUbX'9I Ua 'Fi 'Yg'UbX'Vm
W\ebgi 'h]b['h\Y'9Xi W\h]cb'5Xa]b]ghfUh]cb''

H\Y'']gh'W\ebhU]bg'VUg]WXUHJ'Zcf'YUW\ 'a]'YghcbY'UbX'k \Yh\Yf'cf'bc'h'mci '\Uj Y'U'fYUX'mia Yh'h\Y
W'hYf]U'gdYVZ]YX'Vm'h\Y'dUfh]W'Uf'a]'YghcbY''

Gi V ^Y Whg

7i ffYbh'gi V^YWhg

=b'h\]g'gWYYb'mci 'WUbj]Yk 'mci f'fY[]ghYfYX'gi V^YWhg'Zcf'h\Y'W ffYbh'giYa YghYf"

5HH9BH=C B ° 'H\]g']gh]g'bch'bYW'ggUf]mX]gd'Umgi mci f'W ffYbh'im'fY[]ghYfYX'gi V^YWhg'z'Ug[YbYfU'm fY[]ghfUh]cb']g'dfcWYXYX' bch'Zcf'h\Y'W ffYbh'Vi h'h\Y' bYI h'gYa YghYf" Mci 'WUbg'YY'mci f'fY[]ghYfYX' gi V^YWhg' i bXYf'f'fY[]ghYfYX'gi V^YWhg']b'h\Y'f'Gi V^YWhg']a Ybi z'UbX'\YfY'mci 'UfY'U'gc'U'ck YX'hc XYfY[]ghYf'gi V^YWhg"

%"J]Yk 'fYgi 'hg

K \Yb'mci 'W]W'cb'h\Y'f'fYgi 'h']Z'Y'X']b'h\Y'f'ck'icZ'gi V^YWhg'z']b'U'dcd! i d'k]bXck 'h\Y'gmghYa X]gd'Umgi'h\Y']gh'icZ'mci f'fYgi 'hg'c'VhU]bYX'Z'fca 'U'dUfh]W'Uf'gi V^YWhg'z'Ug'gUj YX'Vm'h\Y'gmghYa "

&"Gi V^YWh'XYhU]'g

=Z'mci 'W]W'Ubm'ch\Yf'gi V^YWh'XUH'z']b'U'dcd! i d'k]bXck 'h\Y'gi V^YWh'XYhU]'g'UddYUf" K \Yb'mci 'W]W' h\Y' hUV'g'z'mci 'WUbj]Yk 'h\Y'VUg]WXUH'icZ'gi V^YWh'Veb'W'fbYX'fY" ["XYgW'dh]cb'z'fYgdc'bg]V'Y'Wh' fYf'z' gi V^YWh'cf[Ub]nUh]cb'U' i b]h'z'YH'W'z'V'ei fgYg'z'gm'UVi g'UbX'h'YI h'Vcc_g'hc'h\Y'V'ei fgY'f]Z'h\YgY'\Uj Y VYYb' i d'cUXYX']b'h\Y'gmghYa 'z'Ug'k Y'Ug'h\Y']gh'icZ'gh' XYbhg'k \c'\Uj Y'fY[]ghYfYX'hc'h\Y'gi V^YWh' Zcf'h\Uh'giYa YghYf"

' "'7\Ub[Y'V'ei fgYz'XYfY[]ghYf'gi V^YWh'f'cb'mXi f]b['fY[]ghfUh]cb'dYf]cX'z

Cb'h\Y' "5j U]UV'Y'V'ei fgYg' hUV' i bXYf'gi V^YWh'XYhU]'g'z'a Uf_ 'h\Y'W'Y'W'Vcl']b'h\Y'Ugh'V'ei a b'cZ'h\Y']gh'Zcf'h\Y'fY[]ghYfYX'V'ei fgYf'g'UbX' i bgY'V'Wh'h\Y'W'Y'W'Vcl' icZ'XYfY[]ghYfYX'V'ei fgYf'g'z'h\Yb'W]W' "GUj Y'hc' [Yh'h\Y'gmghYa 'fY[]ghYf'mci 'hc'h\Y'f'Yei]fYX'V'ei fgYf'g'z']Z'dcgg]V'Y' "H\Y'gmghYa 'bch]Z]Yg mci 'cZ'h\Y'dYfZ'fca YX'fY[]ghfUh]cb'cf'gYbX'Ub'Y'f'cf'XYgW'dh]cb'a YggU[Y' "Mci 'a UmXYfY[]ghYf'U gi V^YWh'VmW]W]b['h\Y' "8YfY[]ghYf'gi V^YWh' 'Vi h'cb' "H\Y'gmghYa 'gYbXg'U'V'ebZ]fa Uh]cb'cf'U'dcgg]V'Y Y'f'cf'a YggU[Y"

(' "'7ci fgY'XYhU]'g

6mW]W]b['Ubm'V'ei fgY'XUH']b'h\Y']gh'icZ' "5j U]UV'Y'V'ei fgYg'z'h\Y' "7ci fgY'XYhU]'g'g'WYYb'k]'VY X]gd'UmYX' "7ci fgY']bZ'fca Uh]cb']g'X]gd'UmYX'cb' hUV'g'z'g]a]Uf'hc'h\Y'k]bXck 'cb'gi V^YWh'XUH' "H\Y' "Gh' XYbhg' hUV'cb'mX]gd'Umgi'h\Y']gh'icZ'gh' XYbhg'fY[]ghYfYX'Zcf'h\Uh'V'ei fgY' "H\Y' "H]a YHUV'Y' "HUV g\ck g'h\Y']gh'icZ'Ygg'cbg'Zcf'h\Y'dUfh]W'Uf'V'ei fgY'/'\ck Yj Yf'z'U'z'Yf'V'ea d'Yh]b['h\Y'fY[]ghfUh]cb'Zcf h\Y'gi V^YWh'UbX'V'ei fgYg'z'U'mci f'fY[]ghYfYX'V'ei fgYg'WU'V'Y']Yk YX']b'cbY'd'U'W'z' i bXYf' "H]a YHUV'Y']b'h\Y' "Gh' X]Yg' 'a Ybi "

7i ffYbh'WŁi fgYg

=b'h\]g'gWYYb'mci 'WŁb'j]Yk 'mci f'fY[]ghYfYX'WŁi fgYg'Zcf'h\Y'W ffYbh'gYa YghYf"

5HH9BH=C B ° 'H\]g''gh'a][\h'bc'h'g\ck 'mci f'W ffYbh'm'fY[]ghYfYX'WŁi fgYg'g]bVW'i gi U'm'fY[]ghfU]cb:]g WŁff]YX'ci h'Zcf'h\Y'bYI h'gYa YghYf'UbX'bc'h'h\Y'W ffYbh'cbY""Mci 'WŁb'Z]bX'h\Y'fY[]ghYfYX'gi V'YVWg UbX'WŁi fgYg'j]b'h\Y'ÍGi V'YVWg] 'a Ybi 'i bXYf'ÍF'Y[]ghYfYX'gi V'YVWg]ž'UbX'\YfY'mci 'WŁb'U'gc'XYfY[]ghYf gi V'YVWg'cf'WŁUb[Y'WŁi fgYg"

=Z'mci 'W]W'hc'Ubm'WŁi fgY'XUH]j]b'h\Y'']ghž'h\Y'XYHU]g'cZ'h\Y'gY'YVWYX'WŁi fgY'UddYUf'j]b'U'dcd!i d k]bXck "

("'7ci fgY'XYHU]g

H\Y'WŁi fgY'XYHU]g'k]bXck 'WŁbHU]bg'h\Y'XUH'X]j]YX']bhc'gYj YfU' 'HU'Vgž'g]a]Uf'm'hc'h\Y'gi V'YVW XYHU]g'k]bXck "'H\Y'ÍGh' XYbhg] 'HU'V'g\ck g'cb'm'h\Y'']gh'cZ'h\cgY'gh' XYbhg'k \c'\Uj Y'fY[]ghYfYX'hc h\]g'WŁi fgY""H\Y'ÍH]a YHU'V'YÍ'HU'V'g\ck g'h\Y'']gh'cZ'Yggcbg'cZ'h\Y'dUfh]W'Uf'WŁi fgYž'\ck Yj Yfž'Z \Uj]b['WŁa d'YhYX'fY[]ghfU]cb'hc'gi V'YVW'UbX'WŁi fgYgž'U''WŁi fgYg'g] bYX'i d'WŁb'VY'j]Yk YX'j]b'h\Y gi Va Ybi 'ÍH]a YHU'V'YÍ'cZ'h\Y'ÍGh'X]Yg] 'a Ybi "

Gi V^YVh^fY []ghfUh]cb

=b^Vch^dfY]a]bUfm^UbX^Z]bU^gi V^YVh^fY []ghfUh]cb^dYf]cXg^Zfca^h^]g gV^YYb^mci^WUb^fY []ghYf^Zcf
gi V^YVh^g^UbX^g^YVh^dYfH]b]b [^Vei^fgYg^Zcf^h^Y^bYi^h^gYa^YghYf"

% "G\ck^gi V^YVh^]gh

5Zhf^g^YVh]b [^cZ^h^Y^V^ffYgdcB]b [^gYa^YghYf^UbX^W^ff]W^i^a^h^Ya^d^UH^Z^i^bXYf^fGi^V^YVh^hmdYI
g^Y^Vh^h^Y^I^Gi^V^YVh^]gh^cZ^h^Y^V^cgYb^W^ff]W^i^a^I^cdh]cb^hc^X]gd^Um^mci^f^cV^][^Uhc^fm^UbX^Y^YVh]j^Y
gi V^YVh^g^"H^Y^cdh]cb^"C^h^Yf^cdh]cbU^gi V^YVh^g^]g^Uj^U]UV^Y^Z^h^Y^]bgh]hi^h]cb^a^UbU^Yg^h^Y^cdh]cbU
gi V^YVh^g^YdUfUH^X^cZ^W^ff]W^i^a^g^"=Z^mci^WUb^fhi^Z]bX^Ubmgi V^YVh^]b^h^]g^]ghz^]h^a^YUbg^h^Uh^h^Y
]bgh]hi^h]cb^Ug^]bhY^fUH^X^U^gc^cdh]cbU^gi V^YVh^g^]bhc^h^Y^W^ff]W^i^a^g^Z^gc^Uh^h^]g^ei^Ygh]cb^mci^Uj^Y
hc^g^Y^Vh^h^Y^cdh]cb^cZ^Gi^V^YVh^]gh^cZ^h^Y^V^cgYb^W^ff]W^i^a^"]b^Ubm^k^Um^f

6mig^Y^Vh]b [^fG\ck^cb^m^h^cgY^gi V^YVh^g^h^Uh^k^]V^Y^U^i^b^W^X^I^mci^WUb^Ybgi^fY^hc^Uj^Y^cb^m^h^cgY
gi V^YVh^g^X]gd^Um^X^]b^h^Y^gi V^YVh^]gh^k^]V^X^k^]V^Y^U^i^b^W^X^Y^]b^h^Y^g^Y^Vh^X^gYa^YghYf":^cf^h^]g
fYUgcbz^h^]g^]g [^YbYfU^mi^fYV^a^a^YbXYX^hc^VY^Y^Z^h^a^Uf_YX"

6mW]W]b [^p@gh^gi V^YVh^g^Z^h^Y^gi V^YVh^]gh^X]gd^Um^X^k^]V^Y^Z^h^Y^fYX^Vm^h^Y^g^Y^Vh^X^fYe^i^fYa^Ybhg"

&" :]hYf]b [^Z^gYUfV^X^]b [^UbX^gc^fh]b [^h^Y^gi V^YVh^]gh

Cb^h^Y^hd^cZ^h^Y^]gh^mci^WUb^gYh^h^Y^bi^a^VYf^cZ^gi V^YVh^g^k^]V^X^UH^U^mci^k^Ubh^hc^VY^X]gd^Um^X^]b
cbY^dU^Y^G\ci^X^h^Y^]gh^VY^Yi^h^YbXYX^hc^a^cfY^h^Ub^cbY^dU^Y^Z^mci^a^Um^hi^fb^dU^Yg^Vmi^g]b [^hk^c!
X]fYVh]cbU^Uffck^g^cf^Vm^h^Y^X^fcd!Xck^b^a^Ybi^"Mci^WUb^df]bh^h^Y^dU^Y^Vm^W]W]b [^h^Y^df]bh]V^b"

6mW]W]b [^gYUfV^X^]V^bZ^U^Vfck^gYf^k^]V^UddYUf^cb^h^Y^hd^cZ^h^Y^gi V^YVh^]gh^"<^YfYz^Zfca^X^fcd!Xck^b
a^Ybi^Z^mci^WUb^g^Y^Vh^k^]V^X^gi V^YVh^XUH^U^mci^k^Ubh^hc^gYUfV^X^h^Y^b^YbhYf^h^Y^h^Yi^h^hc^VY^gYUfV^X^Xz
UbX^W]W]G^YUfV^X^"5Zhf^h^]gZ^h^Y^]gh^k^]V^V^bH]b]cb^m^h^Y^gi V^YVh^g^V^ffYgdcB]b [^hc^h^Y^gYUfV^X
V]hYf]U^"GYUfV^X^WUb^VY^W]ff]YX^ci^h^U^gc^Zcf^k^cfX^ZFU^a^Ybhgz^UbX^bch^a^U_]b [^X]ZZYfYbW^VYh^k^Yb
i^ddYf^UbX^ck^Yf^W]gYg^"=Z^mci^k^Ubh^hc^gY^h^Y^k^c^Y^]gh^U [^U]bz^W]W]G^YUfV^X^UbX^YUj^Y^Ya^d^hm^h^Y
Z]Y^X^cZ^"HYi^h^hc^gYUfV^X^Zcf"

6mW]W]b [^Ubm^Z]Y^X^]b^h^Y^h^h^Y^VUf^cZ^h^Y^]ghz^mci^a^Umigcfh^h^Y^V^b^h^Y^bhg^cZ^h^Y^Ybh]fY^]gh
U^V^f^X]b [^hc^h^Y^Z]Y^X^g^Y^Vh^X^"H^Y^Z]Y^X^U^V^f^X]b [^hc^k^]V^X^h^Y^Yi^Ua^g^UfY^gc^fh^X^]g^X]gd^Um^X^]b^U
X]ZZYfYb^h^V^ci^f^h^Ub^h^Y^ch^Y^fgz^k^]Y^U^ga^U^Uffck^b^Yi^h^hc^]h^g\ck^g^h^Y^gc^fh^cfXYf"

=Z^h^Y^fYe^i^fYX^gi V^YVh^Zci^bXz^W]W]UbmcZ]hg^XUH^Z^UbX^]b^U^dcd!i^d^k^]bXck^h^Y^XYH]g^cZ^h^Y
g^Y^Vh^X^gi V^YVh^k^]V^Y^X]gd^Um^X^"

' "Gi V^YVh^XYhU]g

' "%^5j^U]UV^Y^V^i^fgYg^hUV

<^Yf^mci^WUb^gY^h^Y^V^i^fgYg^U^i^b^W^X^Zcf^h^Y^g^Y^Vh^X^gi V^YVh^]b^h^Y^W^ffYbh^gYa^YghYfz^Ug^k^Y^
Ug^mci^WUb^fY []ghYf^h^Y^gi V^YVh^UbX^]hg^fY^UH^X^V^i^fgYfgt^"GY^YVh]b [^h^Y^W^Y^V^c]cb^h^Y^f] [^h
g]XY^cZ^h^Y^V^i^fgY^]ghz^mci^WUb^g^Y^Vh^h^Y^V^i^fgYfgt^mci^k^Ubh^hc^fY []ghYfz^h^Y^b^W]W]G^Uj^Y^hc
V^a^d^Yh^h^Y^g^Y^Vh]cb^cZ^gi V^YVh^g^UbX^V^i^fgYfgt^"Mci^UfY^fYe^i^fYX^hc^g^Y^Vh^a^cfY^h^Ub^cbY^V^i^fgY
hc^U^gi V^YVh^]Z^h^Y^fY^UfY^a^cfY^h^mdYg^cZ^V^i^fgYg^fY [^"h^Y^cfYh]W]UbX^dfU^h]W]cbYgk^U^i^b^W^X^" =b
gi^W^W]gYg^mci^Uj^Y^hc^g^Y^Vh^cbY^cZ^YU^W^V^i^fgY^h^mdY^"5b^Yi^W^dh]cb^hc^h^]g^]g^h^Y^Yi^Ua^V^i^fgYz
k^]V^X^Ug^hc^VY^fY []ghYfYX^]bX]j^]Xi^U^m]b^YU^W^W]gYz^]Y^"mci^UfY^bch^U^ck^YX^hc^fY []ghYf^Ub^Yi^Ua
V^i^fgY^UbX^U^V^i^fgY^cZ^ch^Y^f^h^mdY^hc^U^dUf]h]W^Uf^gi V^YVh^]g]a^i^h^Ub^Yci^g^m^f

H^Y^h^]a^YhUV^Y^]bZc^I^V^i^a^b^]bX]W]hYg^k^Yb^fU^bX^k^YfY^E^h^Y^V^i^fgY^k^]V^Y^Y^Xz^h^Y^k^YY_XUm^g
UfY^a^Uf_YX^Vm^h^Y^f^]b]h]U^g"

=b^h^Y^V^i^a^b^fY [#@]a^]h^mci^WUb^W^Y^V^ck^a^Ubmigh^XYbhg^Uj^Y^fY []ghYfYX^hc^h^Y^V^i^fgY^Ug^k^Y^
Ug^h^Y^bi^a^VYf^cZ^dUf]h]W]dUbhg^U^ck^YX"

=Z^mci^Uj^Y^g^Y^Vh^X^h^Y^fYe^i^fYX^V^i^fgYfgt^z^W]W]G^Uj^Y^cb^h^Y^Vch^ca^cZ^h^Y^k^]bXck^" =b^YU^W
W]gY^mci^k^]V^Y^bch^Z]YX^k^Yh^Y^f^mci^Uj^Y^fY []ghYfYX^gi V^YVh^g^Z^m^hc^h^Y^gi V^YVh^UbX^V^i^fgYfgt^z
cf^]Z^Yffcf^c^W^fgz^mci^k^]V^Y^V^]j^Y^U^a^YggU^Y^k^]h^h^Y^Yi^d^Ub^Uh]cb^cZ^h^Y^Yffcf"

Mci^f^fY []ghfUh]cb^hc^U^V^i^fgY^k^]V^Y^gi V^YVh^g^Z^cb^m^]Z

!^mci^a^Y^Y^h^h^Y^fYe^i^fYa^Ybhg^k^]V^X^UfY^b^Y^W^ggUfm^hc^h^Y^gi V^YVh^UbX^V^i^fgY^fY []ghfUh]cb^f^hc^ [^Yh
Z^f^h^Y^f^]bZ^ca^Uh]cb^d^YUg^Y^V^bgi^h^h^Y^G^h^Xm^UbX^9i^Ua^F^i^Yg^cZ^mci^f^]bgh]hi^h^cf^h^Y^9Xi^W]h]cb

5Xa]b]ghfUhc]cb`CZ]WZ`cf`h\Y`CdYfUhj] Y`7i`ff]W`i`a`Ł
!`ZFY`d`UW]g`YI`]gh]b`U`g`Y`YVW]X`hmdYg`cZ`VŁi`fgYg`f]b`h\Y`fY[`#]a`]h`VŁi`i`a`bZ`fY[`]g`Ygg`h\Ub`h\Y`
]a`]hŁ
!`mci`\\Uj`Y`g`Y`YVW]X`cbY`cZ`YUW]`VŁi`fgY`hmdY`fY"[`" `h`YcfmZ`dfUW]W]VŁ
!`Vch`h\Y`dfY]a`]bUfmc`f`Z]bU`gi`V`YVW]fY[`]ghfUhc]b`UbX`VŁi`fgY`g`Y`YVW]cb`dYf]cXg`UfY`cdYb
!`mci`\\Uj`Y`bchZ]b]g\YX`h\Y`gi`V`YVW]mYh

=Zmci`b`YX`Zi`fh\Yf`]bZcfa`Uh]cb`UVci`h`VŁi`fgYgZ`W]W]`hc`UbmiXUHJ`cZ`h\Y`dUfh]W`Uf`VŁi`fgY`]b`h\Y`]ghZ`
UbX`]hg`VŁffYgdc]bX]b[`XUHJ`UddYUf`]b`U`bYk`dcd!`i`d`k`]bXck`" `H\Y`]bZcfa`Uh]cb`UVci`h`h\]g`k`]bXck`
W]b`VY`gYb`Uh]dc]bh(`cZ`h\]g`XcW`a`Ybh`

5HH9BH=C B` `=Zmci`\\Uj`Y`fY[`]ghYfYX`U`gi`V`YVW]UbX`mci`k`Ubh`hc`XYfY[`]ghYf`]h`Zcf`Y]h\Yf`fYUgcbZ`mci`
W]b`Xc`h\]g`Vm]W]W]b[`P8YfY[`]ghYf`gi`V`YVW]`]b`h\Y`P5j`U]`UV`Y`VŁi`fgYg`" `hUV`

"`&"`6Ug]WXUHJ`hUV`

<YfY`mci`W]b]j`]Yk`h\Y`VUg]WXUHJ`cZ`h\Y`g`Y`YVW]X`gi`V`YVW]gnCŁ`W`Ug`h\Y`fYei`]fYa`Ybhg`UbX`h\Y`
XYg]V]d]h]cb`cZ`h\Y`gi`V`YVW]h\Y`fYgdc]bg]V`Y`YVW]`fYf`g`bUa`Yz`UbX`h\Y`cf[`Ub]g]Uhc]bU`i`b]h`cZ`h\Y`
gi`V`YVW]`

"`" `Gm`UVi`g`UbX`HYI`hVcc`g`hUVg`

<YfY`mci`W]b]j`]Yk`h\Y`gm`UVi`g`UbX`h\Y`HYI`hVcc`g`Zcf`h\Y`g`Y`YVW]X`gi`V`YVW]Z`h\Ym`\\Uj`Y`VYYb`
i`d`cUXYX`]b`h\Y`gmghYa`"

"`(" `Ghi`XYbhg`hUV`

<YfY`mci`W]b]j`]Yk`h\Y`]ghcZ`ghi`XYbhg`fY[`]ghYfYX`hc`U`dUfh]W`Uf`gi`V`YVW]`:`cf`h\Y`XYHJ]g`cZ`k`ca`
fY[`]ghYfYX`hc`YUW]`]bX]j`]Xi`U`VŁi`fgY`d`YUgY[`c`hc`h\Y`VŁi`fgY`XYHJ]g`

("`7ci`fgY`XYHJ]`g`

H\Y`VŁi`fgY`XYHJ]g`k`]bXck`VŁbhJ]bg`h\Y`XUHJ`X]j`]YX`]bhc`gYj`YfU`hUVgZ`g]a`]Uf`mhc`h\Y`gi`V`YVW]`
XYHJ]g`k`]bXck`" `H\Y`Ghi`XYbhg]`hUV`g\ck`g`YI`W]g]j`Y`m`h\Y`]ghcZ`h\cgY`ghi`XYbhg`k`c`\\Uj`Y`
fY[`]ghYfYX`hc`h\]g`dUfh]W`Uf`VŁi`fgY`" `H\Y`I]H]a`YHUV`YI`hUV`g\ck`g`h\Y`]ghcZ`Yggcbg`cZ`h\Uh`VŁi`fgYz`
Vi`h`UZhYf`mci`\\Uj`Y`VŁa`d`YhYX`h\Y`gi`V`YVW]UbX`VŁi`fgY`fY[`]ghfUhc]bZ`mci`W]b]j`]Yk`U`fY[`]ghYfYX`
VŁi`fgYg`]b`h\Y`I]H]a`YHUV`YI`gi`Va`Ybi`cZ`h\Y`I]Ghi`X]Yg]`a`Ybi`"

=Zmci`k`Ubh`hc`fYh`fb`hc`"Gi`V`YVW]XYHJ]g`Z`W]W]`U`h`cd`f][`h`g]XY`cZ`h\Y`dcd!`i`d`k`]bXck`"

F Y []ghYfYX'gi V^YWhg

=b'h\]g'gWYYb'mci 'WUb'WX YW' mci f'fY []ghYfYX'gi V^YWhg'UbX'UfY'U'ck YX'hc'WX Ub [Y'W'ei fgYg'cf XYfY []ghYf'gi V^YWhg"

%"8YfY []ghYf'gi V^YWh

=Z'mci 'W]W'hc'h\Y''b_cZ'8YfY []ghYf'gi V^YWh']b'h\Y'fck'cZ'Ubm'gi V^YWh' h\Y'gmghYa' d'fca' dhg'mci k \Yh\Yf'mci 'fYU'mk'Ub'h'hc'XYfY []ghYf'Z'fca' h\Y' []j' Yb'gi V^YWh']Z'mci f'Ubgk'Yf']g'm'g'z'h\Y'gi V^YWh' k]''VY'XYfY []ghYfYX'UbX'fYa' c'j' YX'Z'fca' h\Y'']gh'cZ'fY []ghYfYX'gi V^YWhg" 'Hc'UVWV'gg'h\Y'gUa' Y'ZYU'h' fY' Ubch\Yf'k'Umz''YZ'h'W]W'hc'Ubm'gi V^YWh'XYhU]ž'UbX'h\Y'b'W]W'hc'8YfY []ghYf'gi V^YWh']cb'h\Y']5j'U]UV'Y'W'ei fgYg']hUV']b'h\Y']Gi V^YWh'XYhU]g']dcd! i d'k]bXck "

6m'gi V^YWh'XYfY []ghfUh]cb'mci f'W'ei fgY'fY []ghfUh]cbg'U'g'c'k]''VY'fYa' c'j' YXž'UbX'mci 'k]''fYW']j' Y'U' bch]Z]W]h]cb'cZ'h\]g"

5HH9BH=C B'' 7ci fgY'XYfY []ghfUh]cb']g'U'ck YX'cb'm']b'h\Y'dfY']a']bUf'm'cf'Z]bU']gi V^YWh'fY []ghfUh]cb'cf' W'ei fgY'fY []ghfUh]cb'dYf]cX"

&"7ci fgY'WX Ub [Y

=Z'mci 'k'Ub'h'hc'WX Ub [Y'fY []ghYfYX'W'ei fgYf'g'f'Y'UhYX'hc'U'fY []ghYfYX'gi V^YWh'W]W'hc'Ubm'gi V^YWh' XYhU]ž'UbX'h\Y']Gi V^YWh'XYhU]g']dcd! i d'k]bXck 'k]''UddYUf'' <YfYž'cb'h\Y']5j'U]UV'Y'W'ei fgYg']hUVž' _bck' b'Z'fca']gi V^YWh'fY []ghfUh]cb'gYWh]cbž']b'h\Y'Ugh'W'ei 'a' b'cZ']gh'g'Y'Wh'h\Y'W'ei fgYf'g'hc'VY' fY []ghYfYX'UbX']i' bgY'Y'Wh'h\Y'W'ei fgYf'g'hc'VY'XYfY []ghYfYXž'UbX'W]W'hc']GUj'Y' /'h\Y'gmghYa' fY []ghYf'g'mci 'hc'h\Y'fYei']fYX'W'ei fgYf'g'ž']Z'dcgg]V'Y'' H\Y'gmghYa']bch]Z]Yg'mci 'cZ'h\Y'dYfZ'fca' YX' fY []ghfUh]cb'cf'gYbX'Ub'Y'ffcf'XYgV]dh]cb'a' YggU [Y"

' ''7ci fgY'XYhU]g

=b'h\Y']Gi V^YWh'XYhU]g']k']bXck ž'k \Yb'W]W']b ['hc'Ubm'W'ei fgY'XYhU]g']b'h\Y'']gh'cZ']5j'U]UV'Y' W'ei fgYg']hUVž'h\Y'W'ei fgY'XUHU'k]''VY'X]gd'Um'X'gYdUf'hYX'hc']hUVgž'g]a']Uf'm'hc'h\Uh']b'h\Y']Gi V^YWh' XYhU]g']k']bXck ''H\Y']Gh'XYbhg']hUV'g\ck'g'h\Y'']gh'cZ'YI'W']g]]Y'm'h\cgY'gh'XYbhg'k']c']Uj'Y' fY []ghYfYX'hc'h\]g'W'ei fgY''H\Y']H]a' YhUV'Y']hUV'g\ck'g'h\Y'']gh'cZ'Yggcbg'cZ'h\Uh'dUfh]W'Uf'W'ei fgYž' Vi' h'Už'h'f'mci ']Uj'Y'W'ei d'Y'hYX'h\Y'gi V^YWh'UbX'W'ei fgY'fY []ghfUh]cbž'mci 'WUb']j'Yk'U''fY []ghYfYX' W'ei fgYg']b'h\Y']H]a' YhUV'Y']gi Va'Ybi'cZ'h\Y']Gh'X]Yg']a'Ybi' "

(''8YWUfUh]cb'UVci h'fY []ghYfYX'gi V^YWhg

K \Yb'mci 'W]W'hc'h\]g'Vi' h'cbž'U'df]b'hUV'Y'XYWUfUh]cb'k]''VY'W'YU'hYX']b'h\Y'Vfck'gYfž'W'ebHU]b]b ['h\Y' fY []ghYfYX'gi V^YWhg'XYhU]g"

A]X! hYfa 'hUg_g

H\]g'gWYYb'X]gd'Umg'gc! W'YX'a]X! hYfa 'hUg_gž'k \]W'UfY'hUg_g'hc'VY'W'a d'YhYX'Xi f]b['h\Y'hYfa
UbX'h\Uh'UfY'gdYV]Z]YX'Vm'YVWi fYfg']b'W'bbYVW]cb'hc'h\Y]f'gi V'YVWg'cf'W'i fgYg" H\]g']gh'X]gd'Umg'U'
a]X! hYfa 'hUg_g'fY'UhYX'hc'gi V'YVWg'mci 'UfY'fY[]gh'fYX'Zcf']b'h\Y'W'ffYbh'gYa YghYf"

H\Y'hmdY'cZ'hUg_g'h\Y'XYUX']bY'Zcf'gi Va]gg]cbž'h\Y'Yj U'i Uh]cb'a Yh\cX'i gYXž'gi dd'Ya Ybhg'Uj U]UV'Y
UbX'\ck'h\Y'fYgi 'hg'UfY'hU_g'b']bhc'UW'W'i bh'U'VY'cb['hc'h\Y'Ui h\cf]hmcZ'h\Y'YVWi fYf'UbX'h\Y
]bgh]hi h]cb"

6mW]W_]b['U'hUg_g']b'h\Y']ghž'XYhU]YX'XUH'Zcf'h\Y'dUfh]W'Uf'hUg_g']g'X]gd'UmYXž'Zcf']bghUbw'W'h\Y
fYgi 'h'fYW]j YX'Zcf'h\Y'gY'YVWYX'hUg_g"

DfcdcgYX [fUXYg

=b'h]g'gWYYb'mci 'WUbj]Yk 'mci f'dfcdcgYX [fUXYgž'k \]W\ 'YfY'mci 'WU'UWVdh'cf'fY'YVW' '=Z U
'YVW' fYf'cZU'gi V'YVW'cZ'mci fg'dfcdcgY 'U' [fUXY'hc'mci 'UbX'mci 'UWVdh]hž]h'a YUbg'hUh'hUh
dfcdcgYX [fUXY'k]''VY'mci f'Z]bU' [fUXY'Zfca 'h'Y'gi V'YVW'WčbW'fbYXž'mci 'Xcbfih'Uj Y'hc'hU_Y'YI Ua
cZ'hUh'gi V'YVWž'UbX'cbW'h'Y'dfcdcgYX [fUXY'UWVdhYXž'h']g'cdh]cb'k]''VY'Yj Yb'dfc\]V]hYX'Zcf'mci
Vm'h'Y'gmghYa "'=Z'mci 'UfY'bch'gUh]gZ]YX'k]h' h'Y'dfcdcgYX [fUXYž'mci 'a Um'gY'YVW'h'Y'cdh]cb'hc
fY'YVW'h]h']b'hUh'WUgY'mci '\Uj Y'hc'fY []ghYf'hc'h'Y'YI Ua 'Zfca 'h'Uh'gi V'YVW'

5 HH9B H=C B ° 'mci 'UfY'bch'U'ck YX'hc'fY []ghYf'hc'h'Y'YI Ua 'Zfca 'h'Uh'dUh]W'Uf'gi V'YVW'VYZcfY'mci
fY []ghYf'mci f'XYV]g]cb'cZ'h'Y'dfcdcgYX [fUXY'Gcž]Z'mci 'XYV]XY'bch'hc'UWVdh'h'Y'dfcdcgYX [fUXYž
Z]fgh'mci 'g\ci 'X'fY []ghYf'h]b'h'Y'gmghYa ž'UbX'cb'm'UžYf'h'Uh'mci 'WU'fY []ghYf'hc'YI Ua "

=Z'mci 'UWVdh'h'Y'dfcdcgYX'a Uf_ž'cb'h'Y'f] [\h'g]XY'cZ']ghž']b'h'Y'Xfed! Xck b'a Ybi 'cZ'h'Y' "5WVdh
a Uf_ 'Wč'i a b'gY'YVW' "5WVdh'ž']Z'bchž'gY'YVW' "fY'YVW' "Hc'gUj Y'mci f'XYV]g]cbž'W]W_ "GUj Y'"

5 HH9B H=C B ° 'CbW'mci f'cdYfUh]cb'gUj YXž]h'WUbbch'VY'WU'W'YXž'h'Uh]gž']h']g'bch'dcgg]V'Y'hc
a cX]Zm'mci 'Wc]W'Ubma cfY'' 5žYf'mci 'UWVdhYX'h'Y'dfcdcgYX'a Uf_ž'mci 'UfY'bch'U'ck YX'hc
fY []ghYf'hc'Ub'YI Ua 'Zfca 'h'Y'gi V'YVW'WčbW'fbYX'': cf'h']g'fYUgcb']h']g'ghfcb ['mfYVč'a a YbYX'h'Uh
mci 'Wčbg]XYf'mci f'XYV]g]cb'

91 Ua g

9I Ua 'fY[]ghfUh]cb

=b'h]g'gWYYb'mci 'Wb'fY[]ghf'hc'h'Y'YI Ua g" =b'h'Y'YI Ua ']'gh'mci f'YI Ua 'fY[]ghfUh]cbg'UfY'a Uf_YX
]b'V'i Y" '9I Ua 'XYfY[]ghfUh]cbg'Wb'VY'dYfZcfa YX']b'h'Y'Y'fY[]ghfUhYX'YI Ua g" 'a Ybi "

5HH9BH=C B " 'D'YUgY' [Yh]bZcfa Uh]cb'cZ'h'Y'fi 'Y'gmghYa 'Udd']YX'UWw'fX]b['hc'h'Y'Ghi XmiUbX'9I Ua
Fi 'Yg'Xi f]b['h'Y'YI Ua 'dYf]cX'cZ'mci f'f'U]b]b[. 'k \Uh]g'h'Y'XYUX']bY'i bh]'k \]W' 'mci 'Wb'XYfY[]ghfUhY
Zcfa 'Ub'YI Ua 'k]h'ci h'V'bgYeI YbW'g'z'k \Yb'Xc'mci '\Uj Y'hc'dUm'U'fYdYUhYX'YI Ua 'ZY'z'k \]W'
fYghf]W]cbg'Udd'mZcf'XYfY[]ghfUh]b['Zcfa 'Ub'YI Ua "

%"@ghYI Ua g

K \Yb'c[[]b[]b'h]g'gWYYb'Zfghz'U"YI Ua g'VY]b['dcghYf]cf'hc'h'Y'UW' U'XUH'UbX'Ui bW'YX']b'h'Y'
W'fYb'bgYa YghYf'k]"VY'g\ck b'Ui hca Uh]W' "nz'Vi h'mci 'Wb'U'gc'fYZ]bY'h'Y']gh"

=Z'mci 'UfY'cb'm]bhYfYghYX']b'h'Y'YI Ua g'cZ'U'dUfh]W'Uf'gi V'YVw'z'gY'YV'h'h'Y'gi V'YV'h']b'h'Y' "Gi V'YVw'z'
Xfcd! Xck b'a Ybi 'z'W]W' "@ghYI Ua g"

&" :]'hYf]b['z'gYUfW]b['UbX'gc'f]b[]b'h'Y']gh

Cb'h'Y'hcd'cZ'h'Y']ghz'mci 'Wb'gYh'ck 'a UbmYI Ua g'hc'VY'X]gd'UmYX'cb'cbY'dU[Y" 'G\ci 'X'h'Y']gh
VY'YI hYbXYX'hc'a cfY'h'Ub'cbY'dU[Yz'mci 'a Umh'fb'dU[Yg'Vmi g]b['hk c!X]fYVh]cbU'Uffck g'cf'Vm
h'Y'Xfcd! Xck b'a Ybi " 'Mci 'Wb'df]bh'h'Y'dU[Y'VmiW]W]b['h'Y'df]bh]V'z'b"

6mW]W]b['h'Y'gYUfW']V'z'U'Vfck gYf'k]"UddYUf'cb'hcd'cZ'h'Y'YI Ua ']'gh" < YfYz'Zcfa 'Xfcd! Xck b
a Ybi z'mci 'Wb'gY'YV'h'k \]W' 'YI Ua 'XUH' 'mci 'k Ubh'hc'gYUfW'z'h'Yb'YbhYf'h'Y'hYI h'hc'VY'gYUfW'YXz'
UbX'W]W' "GYUfW' "5Zhf'h]g'z'h'Y']gh'k]"V'z'b]b]b'cb'm'h'Y'YI Ua g'h'U'h'a YYh'h'Y'gYUfW' 'W]hYf]U"
GYUfW' 'Wb'VY'W'ff]YX'ci h'U'gc'Zcf'k cfX'ZfU[a Ybhgz'UbX'XcYgb'f'h'bc'h'a U_Y'X]ZZYfYbW' VY'h'YYb
i ddYf'UbX'ck Yf'W]gYg" =Z'mci 'k Ubh'hc'\Uj Y'h'Y'k \c'Y']ghz'h'Yb'WYUf'h'Y' "HYI h'hc'gYUfW'Zcf" ZY'X
UbX'W]W' "GYUfW' "

6mW]W]b['UbmiZ]Y'X']b'h'Y'h]hY'VUf'cZ'h'Y']ghz'mci 'a Umigcf'h'h'Y'V'z'b'h'bg'cZ'h'Y'Ybh]fY']gh
UWw'fX]b['hc'h'Y'Z]Y'X'gY'YV'h'X" 'h'Y'Z]Y'X'UWw'fX]b['hc'k \]W' 'h'Y'YI Ua g'UfY'gc'f'hY']g'X]gd'UmYX']b'U
X]ZZYfYbh'V'z'ci f'h'Ub'h'Y'ch'Yf'g'z'k \]Y'U'ga U'Uffck 'bYI h'hc']h'g\ck g'h'Y'gc'f'h'cfXYf"

=Z'h'Y'fYeI]fYX'gi V'YV'h'Zci bXz'W]W' 'UbmiCZ]hg'XUHJz'UbX']b'U'dcd! i d'k]bXck 'h'Y'XYhU]g'cZ'h'Y'
gY'YV'h'X'gi V'YV'h'k]"VY'X]gd'UmYX"

' " '9I Ua 'XYhU]g

K \Yb'W]W]b['hc'h'Y'fck 'cZ'h'Y'YI Ua 'V'z'bW'fbYX'fMI W'dhZcf'h'Y'Ugh'V'z'i a b'z']b'U'dcd! i d'k]bXck
mci 'Wb'j]Yk 'h'Y'XYhU]YX'XUHJ'cZ'h'Y'YI Ua 'V'z'bW'fbYX" '9I Ua 'XUH'k]"VY'X]gd'UmYX'cb'gYj YfU'
hUVg"

(" 'F Y[]ghYfYX'ghi XYbhg'hUV

=b'h]g'hUV'mci 'Wb'j]Yk 'h'Y'fY[]ghYfYX'ghi XYbhg'f'ibUa Yg'z'BYdhi b'V'z'XYg'UbX'fY[]ghfUh]cb'XUH'g" =Z
h'Y' "9j Yfmg'h XYbh'cb'h]g'YI Ua " 'W'Y'W'Vcl]g'i bgY'YV'h'Xz'mci 'Wb'j]Yk 'cb'm'h'Y']gh'cZ'ghi XYbhg
k]h'k \ca 'mci 'UfY']b'h'Y'gUa Y'V'z'i fgYz'UbX'k \c'\Uj Y'fY[]ghYfYX'hc'h'Y'gUa Y'YI Ua " 'K \Yb'h'Y'
W'Y'W'Vcl]g'gY'YV'h'Xz'U" 'ghi XYbhg'z'k \c'\Uj Y'fY[]ghYfYX'hc'h]g'YI Ua 'cZ'h'Uh'dUfh]W'Uf'gi V'YV'z'
UfY'X]gd'UmYX"

=b'h]g']bhYfZUW'z'h'Y'ghi XYbhg'k \c'\Uj Y'fY[]ghYfYX'hc'h'Y'YI Ua 'Vi h'd'UW'X'cb'h'Y'k U]h]b[]'gh'UfY'
a Uf_YX']b'V'i Y" =b'h'Y' "K U]h]b[]'gh'V'z'i a b'mci 'Wb'j]Yk 'h'Y'fUb'cZ'U'dUfh]W'Uf'ghi XYbh]b'h'Y'
k U]h]b[]'gh"

) " <]ghcfm'hUV

< YfY'mci 'Wb'j]Yk 'h'Y']gh'cZ'h'Y'YI Ua g'cZ'U[]j Yb'gi V'YV'z'fY[UfX'Ygg'cZ'h'Y'gYa YghYf'g'z'hc'k \]W'
mci '\Uj Y'fY[]ghYfYX'YUf]Yf" 'h'Y']gh'U'gc'X]gd'Um'g'h'Y'fYgi 'hg'cZYUW' 'YI Ua 'Ug'k Y" 'Ug'h'Y'ZUW'h'Uh
mci '\Uj Y'XYfY[]ghfUhYX'Zcfa 'h'Uh'c'W]W]g]cb'VY'Zcf'Y'h'Y'YI Ua 'XUH"

* " 'F Y[]ghfUh]cb'hc'Ub'YI Ua

Hc'fY[]ghYf'hc'Ub'YI Ua z'W]W' "F Y[]ghYf"]b'h'Y'fck 'cZ'h'Y'fYeI YghYX'XUH" 'h'Y'gmghYa 'k]" 'bch]zm
mci 'k \Y'h'Yf'h'Y'YI Ua 'fY[]ghfUh]cb'\Ug'VY'Yb'gi W'W'ggz'z'cf'bc'h"

F Y []ghYfYX 'YI Ua g

<YfY'mci 'Wb'j]Yk 'h'Y''gh'UbX'XUH'cZYI Ua g'hc'k \]W' 'mci 'k YfY'fY[]ghYfYX'YUf'Yf''<YfY'mci 'a Um XYfY[]ghYf'cZYI Ua g'gY'YVWYX'i bh' 'h'Y'XYUX']bY'Z] YX'Vm'mci f'\][\Yf'YXi WWh]cb]bgh]hi h]cbž'UbX'h'lg gWY'Yb'U'gc'gYfj Yg'hc'\Uj Y'h'Y''gh'cZ'fYgi 'hg]b'gdYVWYX'Ug'YbhYfYX'hc'YUW'YI Ua "

5g'U'XYZUj 'h'X]gd'Umž'mci f'YI Ua g'g][bYX']b'h'Y'W ffYbh'gYa YghYf'k]''UddYUf'cb'h'Y'gWY'Ybž'Vi h k \Yb'W]W]b['hc'h'Y'Z]Y'X'ÍGYa YghYf'ž'mci 'Wb''gh'h'Y'YI Ua g'g][bYX']b'ch'Yf'gYa YghYf'gž'hcc"

5HH9BH=C B " 'D'YUgY']bZcfa 'mci fgY'j Yg'k \]W' 'gmghYa 'cZfi 'Yg'g'U''dfYj U]'Xi f]b['h'Y'YI Ua 'dYf]cX'cZ mci f'fU]b]b['UW'fX]b['hc'h'Y'Ghi Xm'UbX'9I Ua 'Fi 'Yg. 'K \Uhi]g'h'Y'XYUX']bY'i bh]'k \]W' 'mci 'Wb XYfY[]ghYf'Zfca 'Ub'YI Ua 'k]h'ci h'W'bgYei YbW'gž'k \Yb'Xc'mci '\Uj Y'hc'dUm]b'U'fYdYUhiYI Ua 'ZYž k \]W' 'fYgh]Vh]cbg'Udd'mZcf'XYfY[]ghYf]b['Zfca 'Ub'YI Ua ž'YhW'

%"@gh'cZ'gY'YVWYX'YI Ua g

=b'h'Y''gh'h'Y'YI Ua g'mci '\Uj Y'Udd']YX'Zcf'fY[]ghfUh]cb'Vi h'k YfY'di h'hc'k U]h]b[''gh'UfY'a Uf_YX']b Vi Y'W'ci f''=b'h'Y'W'ci a b'Í9I Ua 'fYHU_Y'hmdY'Í'mci 'Wb']bZcfa 'mci fgY'j Yg'UVci h'h'Y'YI Ua fY[]ghfUh]cb'hmdY'fbcfa U'YI Ua ž'W'ffYVh]cb'YI Ua ž'fYdYUhiYI Ua ž'YhW'."

&"'9I Ua 'XYHU]'g

K \Yb'W]W]b['hc'h'Y'fck 'cZ'h'Y'YI Ua 'W'ebW'fbYX'ffYgg'Í8YfY[]ghYf']b'h'Y''Ugh'W'ci a b'Éž]b'U'dcd! i d k]bXck 'mci 'j]Yk 'h'Y'XYHU]YX'XUH'cZ'h'Y'YI Ua 'W'ebW'fbYX"'9I Ua 'XUH'k]''VY'X]gd'UmY'gi VX]]XYX hc'hUVg"

' " F Y []ghYfYX'ghi XYbhg'hUV

H\]g'hUV'gYfj Yg'hc'X]gd'Um'h'Y'b'Ua Yž'BYdhi b'W'XY'UbX'h'Y'XUH'cZ'fY[]ghfUh]cb'cZ'fY[]ghYfYX ghi XYbhg''=Z'h'Y'W'YW'Vcl 'cZ'Í9j Yfmighi XYbh'cb'h'lg'YI Ua 'Í']gi bgY'YVWYXž'mci 'Wb'cb'mj]Yk 'h'Y ''gh'cZ'ghi XYbhg'k]h]b'mci f'W'ci fgY'k \c '\UX'fY[]ghYfYX'hc'h'Y'gUa Y'YI Ua ž'k \Yb '\Uj]b['h'lg'Vcl gY'YVWYXž'U''gh' XYbhg'cZ'h'Y'gi V'YVh'k \c'fY[]ghYfYX'hc'h'Y'gUa Y'YI Ua 'k]''VY'X]gd'UmY'X"

=b'h'lg'gWY'Ybž'h'Y'ghi XYbhg'k \c '\Uj Y'Udd']YX'Zcf'fY[]ghfUh]cb'Vi h'k YfY'di h'hc'k U]h]b[''gh'UfY a Uf_YX']b'Vi Y'W'ci f''=b'h'Y'W'ci a b'ÍK U]h]b[''gh' 'mci 'Wb'W'YW' 'h'Y'dcg]h]cb'Ugg][bYX'hc'U dUfh]W'Uf'ghi XYbh'Zfca 'h'cgY'cb'h'Y'k U]h]b[''gh"

("<]ghc'fm'hUV

<YfY'mci 'Wb']b'gdYVh'h'Y''gh'cZ'U''YI Ua g'cZ'U'gdYVW]Wgi V'YVWž']bXYdYbXYbh'm'Zfca 'gYa YghYfg'mci k YfY'fY[]ghYfYX'hc'YUf'Yf''H'Y''gh'X]gd'Um'g'h'Y'fYgi 'h'dYfH]b]b['hc'Ub'YI Ua ž'hccž'cf'h'Y'ZUW]Z'mci k YfY'XYfY[]ghYfYX'VYZcfY'h'Y'YI Ua 'XUH'

) " 8YfY[]ghfUh]cb

=b'h'Y'W]gY'mci '\Uj Y'dfcWYXYX'hc'U'ZU'gY'fY[]ghfUh]cbž'cf']Z'mci 'g]a d'mW'Ub[YX'mci f'a]bX'UbX k UbhYX'hc'VY'XYfY[]ghYfYXž'W]W'hc'Í8YfY[]ghYf']bYI h'hc'h'Y'dUfh]W'Uf'YI Ua "'fB'cfa U'm'h'lg'Wb'VY XcbY'k]h]b'&('\ci fg'VYZcfY'h'Y'YI Ua 'Vi h]bgh]hi h]cbg'a Um'gYh'X]ZYfYbh'XYUX']bYgž'hccÉ''=b'h'lg W]gY'h'Y'gmghYa 'hf]Yg'mci 'hc'VY'XYfY[]ghfUh'X'Zfca 'h'Y'YI Ua 'W'ebW'fbYX'UbX'Í] Yg'U'W'ebZ]fa Uh]cb UVci h'gi W'V'ggž ' 'cf'i bgi W'V'ggž ' 'cdYfUh]cb"

:]b Ub WY g

DUma Ybhg

H\]g']g' k \ YfY' mci ' VWb' V\ YW' mci f']gh' cZ dUma Ybh' cV'] [Uh]cbgž' Vch' dU]X' UbX' gh]'' dUmUV' Y' f]'' Y''
UW]j' YE'' Mēi' 'a UmZ' 'Z' h' YgY' cV'] [Uh]cbg' Vmi' g]b[' Ubm' cZ h' Y' dUma Ybh' a' Yh' cXg' Uh' mci f' X]gd' cgl'
k]h']b' B' Ydhi' b'' =Z' U' ck' YX' Vm' mci f']bgh]h' h]cbž' mci 'a Um' U' gc' k' f]h' Y' W' fH]b' Z]b' Ub' W' U']h' Ya' g' Zc' f' mci f' gY' Z'
Ub' X' dUm' h' Yg' Y''

5g' U' 'ch' cZ' Z' bW]cbg' VWb' VY' U' W' W' ggYX' h' fci [\ h']g']bh' Yf' ZUW' Z']hg' XYg' W' dh]cb']g' ei']h' Y' 'cb[' ' : cf' h']g'
fYU' gcbž']h']g' fY' Wēa' a' Yb' X' YX' h' c' W]W' h' Y' Df]bh']Wēb']b' h' Y' h' c' d' f] [\ h' Wē' fb' Yf' c' Z' h']g' d' cd! i' d' k']b' X' ck' ' Ub' X'
 \ Uj' Y']h' X]gd' Um' YX']b' U' b' Yk' ' Vfck' gYf' k']b' X' ck' "

%" DUm']bž' dUm' VUW' ' ! @]gh' cZ' hf' Ub' gW']VYX']h' Ya' g

H\]g']bh' Yf' ZUW' VWb' VY' i' gYX' h' c']gh' mci f' dUma Ybh' cV'] [Uh]cbg' fDUma Ybhg' hUVE' UbX' fYZ' bX' cV'] [Uh]cbg'
fDUm' VUW' hUVE' H' Y' 'U' h' Y' f']g' cb' m' b' Y' X' YX']Z' Zc' f' Ubm' fYU' gcbž' mci f']bgh]h' h]cb' hf' Ub' gZ' f' YX' mci ' Ub'
Ua' ci' bh' h' Uh']g' h' c' V'] [ž']b' k' \ \ W' W' gY' h' Y' Wē' ff' YW]cb' b' Y' X' g' h' c' VY' d' Yf' Z' fa' YX' j']U' h']g']bh' Yf' ZUW' "

=Z' mci ' \ Uj' Y' 'cb' Y' cf' a' cf' Y' 'c']bh' U' W' W' i' bhgž' h' Y' f']gh' k']'' Udd' YUf' U' Vc' j' Y' h' Y' 'Z' h' Y' f' Wē' b' X]h]cbg' f' g' Ya' Ygh' Yfž'
gh' U' h' gē'' 6m' gY' YW]b[' Ubm' cZ' h' Ya' ž' mci ' VWb' U' gc' gY' h' Y' VU' Ub' W' c' Z' h' Y' dUf' h]W' Uf' U' W' W' i' bhž' gc' mci'
WVb' YUg]m' V\ YW' k' \ Yh' Yf' mci ' \ Uj' Y' h' Y' Z' b' X' g' b' YW' ggUf' m' h' c' Z']' mci f' dUma Ybh' cV'] [Uh]cbg'

I' g]b[' h' Y' Z' h' Y' f' mci ' VWb' gY' YW' k' \ \ W' c' Z' h' Y' hf' Ub' gW']VYX']h' Ya' g' f]'' Y'' dUma Ybh' cV'] [Uh]cbg' mci ' k' Ubh'
h' c' \ Uj' Y' X]gd' Um' YX' " 7i' ff' Yb' h' m' h' Y']gh' VWb' VY' Z' h' Y' f' YX' Vm' g' Ya' Ygh' Yf' cf' h' Y' gh' U' h' g' cZ' h' Y' hf' Ub' gW']VYX'
]h' Ya' g' Vm' W]W']b[' h' Y' f' G' c' k']gh' ' Vi' h' c' b' "

9' [" Vmi' g]b[' h' Y' gY' h]b[' g' G' Ya' Ygh' Yf' ' 5' ž' G' H' U' h' g' ' 5W]j' Yž']h' Ya' g' hf' Ub' gW']VYX' h' c' mci ' UbX' gh]'' i' bdU]X'
k']'' VY']gh' YX' Zc' f' U' ' g' Ya' Ygh' Yf' g' "

7']W']b[' " A' cf' Y']' b' h' Y' f' c' k' c' Z' Z]b' Ub' W' U']h' Ya' g' X]gd' Um' YX' c' d' Ybg' U' d' cd! i' d' k']b' X' ck' ' g' c' k']b[' X' Y' H]j' YX'
]b' Z' fa' Uh]cb' ' cb' h' Y']h' Ya' ' Wē' b' W' fb' YX' " 6m' W]W']b[' f' DUm' Yf']' mci ' a' Um' Ugg] [b' U' d' Um' Yf' h' c' h' Y' dUf' h]W' Uf'
]h' Ya' " Mēi' ' b' Y' X' h']g' k' \ Yb' mci ' k' Ubh' h' c' f' YW']j' Y' Ub' Y' YW' f' cb']W']b' c']W' Zc' f' h' Y' dUma Ybh' Wē' b' W' fb' YX' "
F' Yei' Ygh]b[' U' h' U' ' W' f]h]Z]W]h' ' g' l' ci' ' X' b' ch' VY' X' cb' Y' \ Yf' Yž' Vi' h' c' b' h' Y' " HUI' ' 7Yf' h]Z]W]h' " h' U' V' c' Z' h' Y'
 :]b' Ub' W' g' P' G' Y' h]b[' g' a' Ybi' ž' U' g']h' f' Y' U' h' Y' g' h' c' k' \ c' Y' h' U' ' n' Y' U' f' gž' b' ch']b' X]j']Xi' U' Z]b' Ub' W' U']h' Ya' g' "

A' Y' Ub]b[' c' Z' gh' U' h' g' j' U' i' Yg.

5W]j' Y' ' h' Y']h' Ya']g' b' ch' dU]X' m' Y' h' Zc' f']h' Ya' g' hf' Ub' gW']VYX' Vm' h' Y' gh' X' Y' bh']h']g' d' cgg]V' Y' h' c' X' Y' Y' h' h' Y'
]h' Ya' "

6Y]b[' d' f' c' W' ggYX' . ' H' Y' dUma Ybh' cZ' h' Y']h' Ya']g' VY]b[' d' f' c' W' ggYX' ž' Vi' h' \ U' g' b' ch' VY' Yb' Wē' b' Z' fa' YX' m' Y' h'
H' Y' ' Xi' fU]cb' X' Y' d' Yb' X' g' c' b' h' Y' dUma Ybh' a' Yh' c' X' i' gYX' Ub' X' c' b' h' Y' g' d' Y' X' c' Z' U' X' a']b]gh' U]cb' c' Z' h' Y'
ch' Y' f' dUf' h]Yg' Wē' b' W' fb' YX' f' Y' [" . ' VUb' _ ž' d' c' g' h' c' "

7ca' d' Y' h' YX' . ' H' Y' dUma Ybh' cZ' h' Y']h' Ya']g' Wē' a' d' Y' h' YX' Ub' X' \ U' g' VY' Yb' Wē' b' Z' fa' YX' k']h']b' B' Ydhi' b' "

&" 5gg] [b' dUm' Yf

6m' X' Y' Z' U' i' h' h' Y' dUm' Yf' c' Z' U']h' Ya' g']g' h' Y' gh' X' Y' bh' f]'' Y'' mci ' E' / h' Y' f' Y' Z' c' f' Y' h']g' X' c' Y' g' b' ch' b' Y' X' h' c' VY' g' Y' h'
g' Y' dUf' U' h' Y' m' "

H' Y' Z' Y' X' g' Udd' YUf]b[']b' h' Y' d' cd! i' d' k']b' X' ck' ' Ub' X' h' Y' f' a' YUb]b[.

DUm' Yf' h' m' d' Y.

f' DUf' h' b' Yf']' 1' H' Y' dUm' Yf']g' U' d' f' j' U' h' Y']b' X]j']Xi' U'

f' C' f' [Ub]gU]cb] ' 1' H' Y' dUm' Yf']g' U' Y' [U' Y' b' h]m

DUm' Yf' . ' 6m' W]W']b[' h' Y' h' f' Y' Y' d' c']bhg' Zc' ' ck']b[' h' Y' Z' Y' X' ž' h' Y']gh' cZ' dUf' h' Yf' g' Ub' X' c' f' [Ub]gU]cbg'
Ugg] [b' YX' h' c' mci ' k']'' VY' X]gd' Um' YX' " 5gg] [b]b[' U' b' Yk' ' dUm' Yf' g' l' ci' ' X' b' ch' VY' X' cb' Y' \ Yf' Yž' Vi' h' c' b' h' Y'
f' DUf' h' b' Yf' g']' cf' f' C' f' [Ub]gU]cbg] ' h' U' V' g' c' Z' h' Y' :]b' Ub' W' g' P' G' Y' h]b[' g' a' Ybi' "

H' Y' ' HUI' ' bi' a' VYf' ' UbX' ' HUI' '=8' Z' Y' X' g' Uf' Y' U' i' h' ca' Uh]W' ' m' Z' ' YX']b' Vm' B' Ydhi' b' "

=b' W' W' g' Y' c' Z' h' Y' ' 5X' X' f' Y' gg' Z' Y' X' mci ' VWb' i' gY' U' X' f' cd! X' ck' b' a' Ybi' h' c' gY' YW' h' Y' U' X' X' f' Y' gg' c' Z' h' Y' dUm' Yf' h' c'
Udd' YUf' c' b' h' Y' dUma Ybh']b]c']W']ggi' YX' " H']g' X' U' h' U' W' b' U' gc' VY' a' c' X]Z' YX' Z' fa' h' Y' :]b' Ub' W' g' P' G' Y' h]b[' g'
a' Ybi' "

=bYyX'U'fUbgZyf'bj c]WV. 'H\]g'cdh]cb'jg'cZ]a dcfhUjWV'k \Yb'mci f'ZYg'UfY'Z]bUbVWX'VmU'Vta dUbm
cf'UbchYf'cf[Ub]gU]cb'k \]WV'fYei]fYg'U'fUbgZyf'bj c]WV" =b'U'chYf'WUgYg'h\]g'Wb'VY'Yz'Ya dhm'

' " =hYa 'hfUbgW]d]cb'f'cdh]cbU'Ł

=ZhfUbgW]V]b['j]hYa g'jg'U'ck YX'Zcf'ghi XYbhg]b'mci f']bgh]h]h]cbz'h\Y'f'UbgW]VY'j]hYa "Vi h'cb'jg
Uj U]UV'Y'cb'h\Y'f][\h\U'bx'g]XYz'UVc]Y'h\Y'g]h'cZhfUbgW]VYX'j]hYa g'z'U'h'h\Y'g'Ua Y'\Y][\h'Ug'h\Y
"G\ck']gh'Vi h'cb"K \Yb'W]W]b['j]h'U'dcd!i d'k]bXck'UddYUfgz]b'k \]WV'mci 'a Um'fUbgW]VY'U
dUma Ybh'cV][U]h]cb'Zcf'mci fg'Y'Z'

=hYa 'XUHU'jg'hc'VY'YbhYfYX'j]b'cfXYfz'cbY!Vml'cbYz'gY'YW]b['fYei]fYX'gY'h]b[g'Z'ca 'X'cd!Xck b
a Ybi g'': cf'z'fh\Yf'j]bZ'fa U]h]cb'UVci h'h\Y'a YUb]b['cZ'gY'h]b[g'UbX'h\Y'fi 'Yg'VebW'fb]b['j'Uf]ci g
dUma Ybh'cV][U]h]cb'g'd'YUgY'Vebgi 'h'h\Y'9Xi W]h]cb'5Xa]b]ghfU]h]cb'U'h'mci f']bgh]h]h]cb"

:]fgh'mci 'bYyX'hc'gY'YWh'h\Y'h]hY'cZ'dUma Ybh'z'VUgYX'cb'k \]WV'z'fh\Yf'Z]Y'Xg'UfY'X]gd'Um'YX'" =Z
Yj Yf'mh]b['j]g'VeffYWh'migYh'z'W]W]_''7fYUHY'j]hYa "'H\Y'gmghYa 'k]''VebZ]fa 'k f]h]b['h\Y'j]hYa
gi W]V]ggz' 'mz'UzhYf'k \]WV'h\Y'j]hYa]b'ei Ygh]cb'UddYUfg'Ua cb['mci f'UV]j]Y'j]hYa g'cb'h\Y'"DUma Ybhg"
hUV'jZ'Z]hYfg'UfY'dfcdYf'migYh'

(" 8Y'YhY'j]hYa 'f'cdh]cbU'Ł

=b'BYdhi b'z'ghi XYbhg'W]b'cb'mXY'Yh'i bdU]X'j]hYa g'hfUbgW]VYX'Vm'h\Ya gY'j Ygz'UbX'bc]h]hYa g
hfUbgW]VYX'Vm'Uxa]b]ghfU'hc'fg'cf''YWh' fYfg'cZ'h\Y'j]bgh]h]h]cb'cf['YbYfU'hYX'Vm'h\Y'gmghYa "
5W]V'fX]b['mz'j]b'h\Y'g]h'cZhfUbgW]VYX'j]hYa g'z'h\Y'"8Y'YhY'"Veb'i a b'cb'm'Veb]hU]bg'U'W'Y'W'Vcl'Zcf
j]hYa g'h\U'h'a Y'h'Vch'UVc]Y'W]h]f]U"

5Zhf'a Uf_]b['h\Y'W'Y'W'Vcl'Yg]b'h\Y'g]h'Zcf'h\Y'j]hYa g'hc'VY'XY'YhYX'z'W]W]_''8Y'YhY'"U'h'h\Y'Vcl'ha
cZ'h\Y'dU]Y"

) " DUm]j]hYa

Hc'dUm'mci f'i bdU]X'f]j]Y'"UV]j]Y'k'hfUbgW]VYX'j]hYa g'z'a Uf_'h\Y'f'DUm]b]_ 'W'Y'W'Vcl' bYi h'hc'h\Y'j]hYa f]g'Ł
Xi Yz'UbX'h\Y'b'W]W]_ 'f]BYi h'"BYdhi b'k]''dfcj]XY'U'Ugh'fYa]bXYf'UVci h'h\Y'dcgg]V]j]m'cZ'Ugg][b]b['U
dUm'fz'Ug'h\]g'gY'h]b['W]b'bc]h'VY'a cX]Z]YX'cb'W'h\Y'j]hYa f]g'Ł'Uj'Y'VYb'dU]X'" =Z'U'XUHU'jg'VeffYWh'm
gYh'z'W]W]_ 'f'c'?'i "

) "%GY'YWh'dUma Ybh'a Yh'cX

8YdYbX]b['cb'h\Y'gY'h]b[g'cZ'h\Y'j]bgh]h]h]cbz'mci 'a UmidUm'Ub'j]hYa 'k f]h]b'i g]b['h\Y'Z'ck]b[
a Yh'cXg.

>c]bh'UW]V'ei bh'dUma Ybh #J]f]h'U'c]bh'UW]V'ei bh'dUma Ybh . 'K \Yb'i g]b['h\]g'dUma Ybh'a Yh'cXz'h\Y
gmghYa 'k]''hfUbgZyf'h\Y'fYei]fYX'Ua ci bh'Z'ca 'mci f'c]bh'UW]V'ei bh]Z'h\Y'bY'W]ggUfm]z' bXg'UfY
Uj U]UV'Y'h\Y'fY'" =Z'mci 'UfY'Ugg][bYX'hc'a cfY'h\U'bc]b'c]bh'UW]V'ei bh'z'j]h]g'i d'hc'mci 'hc'gY'YWh'h\Y
cbY'Z'ca 'k \]WV'hc'dUm'h\Y'j]hYa f]g'Ł'j]b'ei Ygh]cb'" =b'W]gY'cZ'c]bh'UW]V'ei bh'UbX'j]f]h'U'c]bh'UW]V'ei bh
dUma Ybhg'z'h\Y'fUbgUW]cb'j]g'ja a YX]U'h'm'fY'V'efYX'j]b'BYdhi b"

6Ub_ 'W]fX'dUma Ybh ' Gh' XYbhg'U]h]bgh]h]h]cbg'U'ck]b['VUb_ 'W]fX'dUma Ybh'W]b'a U_Y'dUma Ybhg'Vm
i g]b['h\Y]f'gi]hUV'Y'VUb_ 'W]fX'g]j]U'h\Y'k YVg]hY'cZ'CHD'6Ub_'' : i fh\Yf'j]bZ'fa U]h]cb'UVci h'W]fXg
UW]V'dhYX'W]b'VY'Zci bX'cb'h\Y' [k YVg\]hY'cZ'CHD'6Ub_](#) "'6migY'YWh]b['h\]g'dUma Ybh'cdh]cb'h\Y'bYi h
ghY'd'k]''X]gd'Um'h\Y'CHD'k YVg]hY'z'k \YfY'mci 'W]b'a U_Y'dUma Ybhg'cZ'hfUbgW]VYX'j]hYa g'j]U'h\Y
=bhYfbYh'Vmdfcj]X]b['mci f'VUb_ 'W]fX'XUHU''G]a]Uf'hc'c]bh'UW]V'ei bh'dUma Ybhg'j]hYa g'dU]X'Vm'VUb_
W]fX'UfY'ja a YX]U'h'm'fY'V'efYX'Vm'BYdhi b"

DUma Ybh'Vm'W]Yei Y. 'H\Y'_Ym]XYU'VY\]bX'dUma Ybh'Vm'W]Yei Y'j]g'h\U'h'mci 'fY'W]j]Y'U'W]Yei Y'Z'ca
Y]h\Yf'h\Y'cZ]W]cZ'Gh'X]Yg'cf'Z'ca 'U'XYdU'f'a Ybh'cZ'mci f']bgh]h]h]cbz'h\Y'b'UZ'hYf'dUm]b['j]h'U'h\Y
dcgh'cZ]W]BYdhi b'cZ]Yfg'h\Y'cdh]cb'cZ]a a YX]U'h'm'fY'V'efX]b['h\Y'Z]W]cZ'dUma Ybh'z'Yj Yb'VY'ZcfY
VebZ]fa U]h]cb'j]g'gYbh'Vm'h\Y'dcgh'cZ]W]''6migY'YWh]b['h\]g'cdh]cbz'h\Y'dUf'Ua Y'hYfg'cZ'h\Y'dU]X'W]Yei Y
UfY'hc'VY'YbhYfYX'j]b'h\Y'UddYUf]b['f'7\Yei Y'fY'V'efX]b['f'k]bXck "

7\Yei Y'hdYg.

"BYdhi b'W]Yei Y'=8" '1 'H\Y'W]Yei Yz'i g]b['k \]WV'mci 'a UXY'dUma Ybh'z'k Ug'df]bhYX'Z'ca 'BYdhi b'z'gc
h\Y'W]Yei Y'j]XYbh]Z]Yf'g'Uj U]UV'Y'j]b'h\Y'gmghYa "

"9I hYfbU'W]Yei Y'=8" '1 'H\Y'W]Yei Y'W]b'VY'j]XYbh]Z]YX'Vm'gca Y'_]bX'cZ'i b]ei Y'bi a VYf'bc]h'cf][]bU]h]b[
Z'ca 'BYdhi b'" =b'h\]g'W]gY'Ug_'mci f']bgh]h]h]cb'UVci h'h\Y'YI UWh'Z'fa U'h'cZ'h\Y'j]XYbh]Z]Yf"

H\Y'gmghYa 'Ug_g'Zcf'h\Y'gYf]U'bi a VYf'cZ'h\Y'W]Yei Y'É'j]Y''h\Y'gc!W]YX''9I hYfbU'W]Yei Y'=8" 'É
Yj Yb'j]b'h\Y'W]gY'cZ'BYdhi b'W]Yei Ygz'j]b'cfXYf'hc'j]XYbh]Z]m'Vch'h\Y'gh'XYbh'UbX'h\Y'dUma Ybh

k]h\ci h'dfcV'Ya "

H\Y'UXj UbhU[Y'cZ'dUma YbhVmW\Yei Y']g'h\Uh]b'WUg'cZi f[Ybh'dUma Ybhg'mci 'bYX'bc'h'k U]h'Zcf
VUb_ 'hfUbgZYfg'gca Yh]a Yg'fYei]f]b['gYj YfU'XUmg/'mci 'WU'bdUm'h\Y']hYa 'k f]hYb']a a YX]Uh'mUh'h\Y
dcgh'cZ]W"

* "G\UfY'UbX'a Yf[Y ']hYa g'f'cdh]cbU'Ł

=b'h\Y''gh'cZ'fUbgW]VYX']hYa g'mci '\Uj Y'h\Y'cdh]cb'cZgd']h]b['UW]j Y']"Y"'i bdU]X']hYa g']bhc'gYj YfU'
dUfh]U']hYa gž']Z'U'ck YX'Vm'mci f']bgh]h' h]cb"'Gd']h]b[']hYa g'a UmVY'bYX'YX'Zcf'YI Ua d'Y']Z
! 'mci 'fYei]fY'gYdUfUhY']bj c]W]g'Zcf'YUW' dUfh'cZU' []j Yb'dUma Ybhž'dfYdUfYX'Zcf'X]ZYfYbh'dUm'fgž'cf
! 'mci 'k Ubh'hc'dUm'Ub']hYa ']b']bgh]U'a Ybhgž'cf
! 'mci 'UfY'Ugg][bYX'hc'a cfY'h\Ub'cbY'c']bh'UWŁi bh'UbX'h\Y'Ua ci bh'Xi Y']g'cb'mUj U]UV'Y'cb'h\Ya
hc[Yh\Yfž'Vm'gd']h]b['mci 'k]'h\YfYZcfY'VY'UV'Y'hc'a U_Y'dUma Ybhg'Zcf'h\Y'dUfh]U']hYa g'Z'ca
j Uf]ci g'c']bh'UWŁi bhg"

7']W_ "G\Uf]b["']b'h\Y'fck'cZ'h\Y']hYa 'WŁbWfYXž'gd']h'h\Y']hYa 'k f]hYb']b'k c'dUfhg'cb'h\Y
]bhYfZUW'h\Uh'UddYUfgž'UbX'h\Yb'W]W_ ']GUj Y' "5g'U'fYgi 'hž'h\Y'k c'dUfh]U']hYa g'WŁffYgdcbX]b['hc
h\Y'gd']h'UddYUf']b'h\Y''gh'cZ'mci f']hYa gž'k\]W_ 'a Um'h\Yb'VY'dU]X'gYdUfUhY'm'Gd']h']hYa g'a Um'h\Yb
Z' f'h\Yf'VY'gd']h'i g]b['h\Y'gUa Y'a Yh'cX'Ug'UVcj Y'Vm'W]W_]b["'Gd']h'']b'h\Y'fck'cZ'h\Y'dUfh]U']hYa "'=Z
bc'bY'cZ'dUfh]U']hYa g'\Uj Y'mY'h'VY'Yb'dU]Xž'mci 'a Um'WŁa V]bY'gd']h']hYa g'Vm'W]W_]b['h\Y''7ca V]bY"
]b_]b'h\Y'fck'cZ'h\Y'a U]b']hYa 'UbX'h\Yb'h\Y''7ca V]bY']hYa g:'"Vi h'cb']b'h\Y'UddYUf]b['dcd! i d
k]bXck "

+ "'Í DUmVUW_Í 'hUV

Cb'h\Y'Í DUmVUW_Í 'hUV'mci 'WU'b'fYZ' bX'h\Y']bgh]h' h]cb'h\Y']hYa g'YffcbYci g'mfYa]hYX'hc'mci "'H\Y
a Yh'cX'Zcf'h\]g']XYbh]W'hc'h\Uh'XYgW]VYX'i bXYf'Í DUm]bÍ "

=bj c]Wg

=b`h\]g'gWYYb'mci`Wb'j]Yk`h\Y`Y`YWfcb]W`mUfV\j]YX'cf`<HA@VUgYX`]bj c]Wg'jggi`YX`U[U]bgh`dUm]b`hfUbgUW]cbgjj]U`BYdhi`bž`UbX'mci`Wb`Xck`b`cUX`h\Y`VėdmcZ]bj c]Wg'hc'mci`f`Vėa`di`hYf`"

=b`h\Y`]bj c]W`]ghž`h\Y`Z]Y`bUa`Yg'fY`UhYX`hc`YUW`]bj c]W`UfY`]b`h\Y`Ugh`k`c`Vė`i`a`bgž`]Z`h\Y`]bj c]W`Ug`VYYb`Y`YWfcb]W`mUfV\j]YX""=Z]b`h\Y`gY`Vė`i`a`bg`bc`XUHU`UddYUfž`]h`g\ck`g`h\U`h`]b`mci`f]bgh]h`h]cb`<HA@VUgYX`]bj c]Wg'UfY`[`YbYfUhYX`]j]U`BYdhi`bž`UbX`]b`h\]g`WUgYž`]Z`mci`b`YXX`U`UfXVėdmi]bj c]W`Ug`k`Y`ž`mci`g\ci`X`Uvėi`j]fY`]h`Zca`h\Y`9Xi`WU]cb`5Xa`]b]ghfU]cb`C`Z]W`"

=b`WUgY`cZY`YWfcb]W`mUfV\j]YX`]bj c]Wgž`]Z`mci`W]W`h\Y`dYbi`h]a`UhY`cf`h\Y`Ugh`Vė`i`a`b`cZ`h\Y`hUV`Y`mci`Wb`Xck`b`cUX`Ub`]bj c]W`]b`dXZ`cf`n]d`Zcfa`Uhž`fYgdYVW]j]Y`m`"

5HH9BH=CB`h\Y`UfXVėdmcZ`dXZ]Yg`Xck`b`cUXYX`Zca`BYdhi`b`Wb`bch`VY`Vėbg]XYfYX`hc`VY`Ub`cZ]WU`VėdmcZ]bj c]Wž`h\Y`fY`Zc`fY`]Z`mci`b`YXX`Ub`cZ]WU`Vėdmi`d`YUgY`Vėb`hUW`h\Y`9Xi`WU]cb`5Xa`]b]ghfU]cb`"

HfUbgUW]cb`]gh

H\]g'gWYYb'U'ck'g'mci'hc'j]Yk'h\Y'XUH'cZU'cZ'mci'f'dfYj]ci'g'Z]bUbWU'hfUbgUW]cbg'j]b'U'Z]hYfYX
]gh]UbX'j]b'WUgY'cZi'g]b['U'c]bh'UW]i bh'Z\YfY'mci' \Uj'Y'h\Y'dcgg]V']hmc'j]b]h]UHY'U'fYhfUbgZYf'Zfca
h\Y'VU'UbW'cb'mci'f'c]bh'UW]i bh'k]h\]b'BYdhi'b'hc'cbY'cZ'mci'f'Yi'hYfbU'VUb_'UW]i bhg'

%":]hYf]b['h\Y'gh

6migYH]b['Z]hYf]b['W]hYf]U'cWUHYX'UVcj'Y'h\Y'gh'Z'h\Y'gh'cZ'hfUbgUW]cbg'k]VY'WU'Ub[YX
]a'a'YX]UHY'mhc'X]gd'Um'h\cgY'W'ffYgdc]b['hc'h\Y'fYei]fYa'Ybhg'gYh'

GYa'YghYfg.'mci'a'UmigYh'k\]W'hfUbgUW]cbg'hc'X]gd'Um]b'h\Y'gh'cZU'[]j'Yb'gYa'YghYf''

DUma'Ybh'a'Yh'cXg.'8YdYbX]b['cb'dUma'Ybh'a'Yh'cXg'Uj]U'V'Y'Zcf'mci'fY'["'c]bh'UW]i bh'Z'W'Yei'Yz
Yh'W'Z'h\Y'gh]W]b'VY'bUffck'YX'UW]fX]b['hc'dUma'Ybh'hmd'Yg'dYfhU]b]b['hc'dUma'Ybh'a'Yh'cXg'9'["
k\Yb'i'g]b['U'c]bh'UW]i bh'Z]Z'h\Y'>c]bh'UW]i bh'dUma'Ybh'cdh]cb'gY'W'W'X'Z'cb'm'h\cgY
hfUbgUW]cbg'k]fYa'U]b]b'h\Y'gh]b'WUgY'cZ'k\]W'h\Y'gh'XYbh'\Uj'Y'dU]X]b'U'hfUbgW]VYX']hYa
h\fc'i['h\Y'c]bh'UW]i bh'

>c]bh'UW]i bhg.'H\]g'cdh]cb]g]a'dcfh]b'h\Y'gh'XYbh]g'Ugg][bYX'hc'a'cfY'h\U'cbY'c]bh
UW]i bh'Z]b]g]W'WUgYg']h]g'U'V'Y'hc'X]gd'Um'h\Y'f]b'c]Yf'W]ff]YX'ci'h'cb'YUW'c]bh'UW]i bh'

6Y'ck'h\]g'cdh]cb'Z'h\YfY]g'h\Y'6U'UbW'cb'h\Y'c]bh'UW]i bh'Z]Y'X'Z'k\]W'Z]Z'h\Y'cdh]cb'5'gY'W'W'X
]b'h\Y'dfYj]ci'g'Z]Y'X'Z'k]g'ck'h\Y'W'a'i'Uh]j'Y'hc]U'Ua'ci'bhg'cb'h\Y'c]bh'UW]i bh'Z'k\]Y]Z'cb'm
cb'Y'c]bh'UW]i bh]g'gY'W'W'X'Z'h\Y'Uj]U'V'Y'VU'UbW'cZ'h\Y'c]bh'UW]i bh]g'X]gd'Um'YX''

&"E'i'Yf]Yg'UbX'gc]f]b[]b'h\Y'gh

mci'W]b'gYh'cb'h\Y'hd'cZ]gh'Z'ck'a'Ubm'hfUbgUW]cbg'mci'k'Ub'h'hc'VY'X]gd'Um'YX'Vm'h\Y'gm]hYa"
G\ci'X'h\Y'gh]VY'Yi'hYb'X'Y'h'a'cfY'h\U'cbY'dU]Yz'mci'a'Um'h'fb'dU]Yg'Vm]g]b['h\Y'k'c!
X]fY]W]cb'U'Uffck'g'cf'h\Y'X'fcd!X'ck'b'a'Ybi'"M'ci'W]b'df]bh'h\Y'dU]Y'Vm]W]W]b['h\Y'df]bh]W'eb"

K\Yb'mci'W]W'h\Y'gYUfW'j]W'eb'Z'U'V'fck'gY'f'k]Udd'YUf'cb'h\Y'hd'cZ'hfUbgUW]cb'gh'<YfY'Zfca'h\Y
X'fcd!X'ck'b'a'Ybi'mci'W]b'gY'W'W'k\]W'XUH'cZ'hfUbgUW]cb'mci'k'Ub'h'hc'gYUfW'Z'h\Y'b'Ybh'f'h\Y
hYi'h'hc'VY'gYUfW'YX'Z'UbX'W]W'GYUfW'5Z'hY'h\]g'Z'h\Y'gh'k]W'eb]b]b'cb'm'h\Y'hfUbgUW]cbg'h\U
a'Y'h'h\Y'gYUfW'W]hYf]U'GYUfW'W]b'VY'W]ff]YX'ci'h'U'gc'Zcf'k'cfX'ZfU]a'Ybhg'Z'UbX'b'ch'a'U_]b[
X]Z]Y'fYb'W'VY'h'Y'Yb'i'dd'Yf'UbX'ck'Yf'WUgYg'Z'mci'k'Ub'h'hc'gY'Y'h\Y'k'c'Y'gh]U]U]b'Z]W]W'GYUfW'
UbX'YUj'Y'Ya'dhm'h\Y'hYi'h'hc'gYUfW'Zcf'Z]Y'X''

6m]W]W]b['Ubm]Z]Y'X'j]b'h\Y'h]hY'VUf'cZ'h\Y'gh'Z'mci'a'Umigcf'h\Y'W'eb'hY'bhg'cZ'h\Y'Ybh]fY'gh
UW]fX]b['hc'h\Y'Z]Y'X'gY'W'W'X'h\Y'Z]Y'X'UW]fX]b['hc'k\]W'h\Y'hfUbgUW]cbg'UfY'gcf'hYX']g'g'ck'b
]b'X]Z]Y'fYb'W'eb'ci'f'Z'UbX'bYi'h'hc'h\Y'Z]Y'X'U'ga'U'Uffck'g'ck'g'h\Y'gc]f]b['X]fY]W]cb"

=Z'mci'Z'ci'bX'h\Y'fYei]fYX'hfUbgUW]cb'Z]W]W'hc']hg'Ubm]XUH'UbX'j]b'U'dcd!i'd'k]b'X'ck'mci'h\Y'XYH]g
cZ'gY'W'W'X'hfUbgUW]cb'k]VY'X]gd'Um'YX''

' "HfUbgZYf'VUW'a'cbYmZfca'c]bh'UW]i bh

Hc]b]h]UHY'U'hfUbgZYf'VUW'Zfca'mci'f'c]bh'UW]i bh]b'Z]j'ci'f'cZ'mci'f'df]j]UHY'VUb_'UW]i bh'Z'gY'W'W'U
c]bh'UW]i bh'Zfca'h\Y'Z]hYf'gW'Y'Yb'="b'h\U'h]WUgY'U'hfUbgZYf'VUW'Vi'h'cb'Udd'YUfg'cb'hd'Y'Z]h]g]Y
cZ'h\Y'gh'Z'UbX'k\Yb'mci'W]W'cb]h'mci'W]b'Ybh'f'h\Y'Ua'ci'bh'hc'VY'hfUbgZYf'YX'VUW'Z'UbX'mci
W]b'gY'W'W'k\]W'cZ'mci'f'VUb_'UW]i bhg'mci'k'Ub'h'h\Y'a'cbYm'hfUbgZYf'YX'hc"

5Z'hY'h\]g'Z'mci'W]W'hc'"HfUbgZYf'VUW'U'h\Y'V'ch'ca'cZ'h\Y'k]b'X'ck'Z'BYdhi'b'k]gh]Uf'h\Y
hfUbgZYf'cd'Yf]U]cb'Z'UbX'[Yb'YfU'm]b'h'k'c'hc'h\Y'Y'k'cf_]b['XUmg'h\Y'g'i'a'k]VY'W'YX]hY'X'cb'h\Y
gY'W'W'X'VUb_'UW]i bh'hc'ci'W]b'U'X'X'U'b'Yk'VUb_'UW]i bh'cf'a'cX]Zm]U'VUb_'UW]i bh'bi'a'Yf'Vm
W]W]b['h\Y'6Ub_'UW]i bhg'hU]j]b'h\Y':]b'Ub'W]gP.]b'Ub'W]U'a'Ybi'"

GWŁ c`Ufg\]dgž`dUmc i hg

=b`h\]g`gWYYb`h\YfY`]g`U`WŁYW\`]gh`Z`hYfYX`VmigYa`YghYf`cZ`dUmc i hg`h\Uh`mci`f`]bgh]hi`h]cb`hfUbgZYffYX`hc`mci`f`VUb`_`UWŁi`bH`H\]g`]gh`hmd]WŁ`m`WŁbH]bg`h\Y`dUmc i hg`cZ`gWŁc`Ufg\]dg`UbX`ch\Yf`[`fUbg`cf`]b`h\Y`WŁffYVh]cbg`hUV`mci`WŁb`j`]Yk`h\Y`WŁffYVh]b[`]hYa`g`fY`UhYX`hc`h\Y`fYZ`bXg`cZ`dceg]V`m`cj`YfdU]X`Ua`ci`bhg`"

%`"Í`GWŁc`Ufg\]dgž`dUmc i hgÍ`hUV`

=b`h\]g`]ghž`mci`WŁb`j`]Yk`h\Y`dUma`Ybhg`cZ`gWŁc`Ufg\]dgž`[`fUbgž`WŁbhf]Vi`h]cbg`UbX`ch\Yf`dU]X`ci`h`gi`a`g`h\Y`ghUhi`gYg`cZ`dUma`Ybhg`UfY`g]a`]Uf`hc`h\Uh`XYgW]VYX`]b`dUma`Ybh`a`Ybi`"

5`HH9B`H=C`B`" =Z`Ub`]hYa` \Ug`U`dU]X`ci`h`ghUhi`g`]b`h\Y`]ghž`]h`XcYgbfñ`a`YUb`h\Uh`h\Y`Ua`ci`bh`]g`bYVW`ggUf`]m`UddYUfg`]b`mci`f`VUb`_`UWŁi`bHž`g]bW`U`hfUbgZYff]b[`]dYf]cX`]g`hmd]WŁ`m`&`hc`" `k`cf`_]b[`XUmg`"

&`"Í`7`c`f`f`Y`Vh]cbgÍ`hUV`

H\Y`]gh` \YfY`WŁbH]bg`]hYa`g`k` \]WŁ`UfY`h\Y`WŁffYVh]b[`]Ua`ci`bhg`cZ`YffcbYci`g`mdU]X`cf`cj`YfdU]X`]hYa`g`Zcf`Y]h\Yf`fYUgcbž`]"Y"]b`h\]g`WŁgY`h\Y`]bgh]hi`h]cb`hfUbgZYfg`a`cbYmZcf`mci`VYVWi`gY`mci` \Uj`Y`Ub`cj`YfdUma`Ybh`cf`Ub`dU]X`]hYa`k` \]WŁ`mci`g\ci`Xbñi`Uj`Y`VYYb`dU]X`Uh`U`"

:]b UbW]U`c d h]c b g

<YfY'mci`Wb]j]Yk`UbX'a cX]ZmU`mci f`Z]bUbW]U`gYH]b[`g`H\Y`XUH`fY`Uh]b[`hc`j`Uf]ci`g`Z]bUbW]U`
]ggi`Yg`UddYUf`cb`gYj`YfU`hUVg"

%`6Ub`_`UWV`i`bhg

<YfY'mci`Wb`c]`Yfj]Yk`H\Y`VUb`_`UW`W`bhg`h`Uh`mci`_`Uj`Y`Ugg][`bYX`hc`BYdhi`bž`UbX`]Z`mci`f`
]bgh]hi`h]cb`dYfa`]H\YX`]hž`YfY'mci`Wb`fY[]ghYf`U`bYk`VUb`_`UWV`i`bhž`UbX`a`cX]Zmcf`XY`YH`Ub`
YI`]gh]b[`cbY`"M`i`Wb`fY[]ghYf`U`bYk`VUb`_`UWV`i`bh]b`h\Y`dcd!`i`d`k`]bXck`X]gd`UmYX`UZhYf`W]W]b[`
"5XX`bYk`VUb`_`UWV`i`bh`Vi`Hcb`"H\Y`"8YZJi`h`VUb`_`UWV`i`bh`W`Y`W`Vcl`]g`cZ`gdYV]U`]a`dcfH]bWVž`
Ug`BYdhi`b`k`]`hfUbgZyf`U`dUma`Ybhg`hc`h\Y`ghi`XYbh]b`Z]j`ci`f`cZ`h`Uh`VUb`_`UWV`i`bh`h`YfY`ZcfY`]Z`
mci`_`Uj`Y`U`dcgg]V`]Hm`h`a`cX]Zm`h`]g`cdh]cbž`hU`_`Y`h`]g`]b`hc`V`ébg]XYfUh]cb`"

Hc`a`cX]ZmU`VUb`_`UWV`i`bhž`W]W]`"A`cX]Zm`]"b`h`Y`fck`cZ`h\Y`UWV`i`bh`"

&`"DUf`hb`Y`fg

H\]g`hUV`gYfj]Yg`Zcf`dUf`hb`Yf`XUH`a`UbU[`Ya`Ybh`DUf`hb`Yfg`UfY`df]j`UhY`dYcd`Yž`UbX`h\]g`]gh`g\ci`X`
V`ébhU]b`dYcd`Yf]b`Ua`Yg`Zcf`k`ca`]b`h\Y`Z`hi`fY`mci`]bhYbX`hc`cVhU]b`]bj`c]W]g`cZ`mci`f`dUma`Ybhgž`cf`
Zcf`k`ca`mci`k`Ubh`hc`UW`i`]fY`U`HUI`W`f`h]Z]W]hY`f`cb`m`Zcf`W`cgY`fY`Uhj]Yg`"M`i`mci`fgY`Z`]g`fY[]ghYfYX`
Ui`hca`Uh]W]m`Ug`U`dUf`hb`Yf`]b`W]gY`mci`k`Ubh`hc`UW`i`]fY`Ub`]bj`c]W]cf`U`HUI`W`f`h]Z]W]hY`Zcf`mci`f`
bUa`Y`"

5HH9BH=C`B`"5dUf`h]Z`fca`fY[]ghf`Uh]b[`gca`YVcXm`Ug`U`dUf`hb`Yfž`mci`U`gc`_`Uj`Y`hc`b`ch]Zm`h\Y`BYdhi`b`
gmghYa`cZ`h\Y`XYH]j]g`h`Uh`Uh`k`_`]W`dUma`Ybhg`UbX`]b`k`_`]W`dfc`dcf`h]cb`mci`k`Ubh`h`Uh`dUf`hb`Yf`hc`VY`
V`ébg]XYfYX`Ug`U`dUmYfž`UbX`k`Y`h`Yf`mci`k`Ubh`U`HUI`W`f`h]Z]W]hY`hc`VY`]ggi`YX`Zcf`h\Y`bUa`Y`cZ`
dUf`hb`Yfž`]Z`Y`g`Y`]g`U`W`cgY`fY`Uhj]Y`"5`dUf`hb`Yf`a`UmVY`Ugg][`bYX`hc`U`dUma`Ybh]b`h\Y`"DUma`Ybh`
X]ghf]Vi`h]cb`fi`Yg`"hUVž`cf`cb`h\Y`DUma`Ybhg`gWY`Yb`Vm`W]W]b[`h\Y`"DUmYf`"V`é`i`a`b`cZ`Ub`]hYa`/`HUI`
W`f`h]Z]W]hY`g`a`UmVY`WU]a`YX`Vm`W]W]b[`h\Y`"HUI`W`f`h]Z]W]hY`"hUV`"

`"C`f[`Ub]n`Uh]cb`g

<YfY'mci`Wb`gY`YV`cf[`Ub]n`Uh]cb`g`Z`fca`h\Y`"gh`a`U]b`H]b]YX`Vm`h\Y`Ya`d`cmY`Yg`cZ`h\Y`]bgh]hi`h]cbž`Zcf`
k`_`]W`mci`k`Ubh`hc`fYei`Ygh]bj`c]W]g`cZ`mci`f`dU]X`ZY`Yg`K`_`Y`b`W]W]b[`BYk`cf[`Ub]n`Uh]cb`ž`h\Y`"gh`cZ`
h\Y`Uj`U]UV`Y`cf[`Ub]n`Uh]cb`g`k`]`VY`X]gd`UmYXž`UbX`k`_`Y`b`mci`W]W]`h\Y`hcd`f][`h`gY`UfVX`]V`é`b`U`
Vfck`gYf`UddYUfg`<YfY`Z`fca`X`fcd!`Xck`b`a`Ybi`mci`Wb`gY`YV`k`_`]W`XUH`cZ`h\Y`cf[`Ub]n`Uh]cb`mci`
k`Ubh`hc`gYUfVX`ž`h`Yb`YbhYf`h\Y`hYI`hž`UbX`W]W]`"GYUfVX`"5Z`hYf`h`]gž`h\Y`"gh`k`]`V`é`bhU]b`cb`m`h\Y`
cf[`Ub]n`Uh]cb`g`k`_`]W`a`Y`h`h\Y`gYUfVX`W]hYf]U`"GYUfVX`]g`b`ch`W]gY!`gYbg]h]j`Y`UbX`Wb`VY`W]ff]YX`ci`h`
U`gc`Zcf`k`cfX`ZfU[`a`Ybhg`"Z`mci`k`Ubh`hc`gY`h\Y`k`c`Y`"gh`U[`U]bž`W]W]`"GYUfVX`"UbX`YUj`Y`Ya`d`hm`
h\Y`"HYI`h`hc`gYUfVX`Zcf`"Z]Y`X`"M`i`Wb`UXX`h`]g`cf[`Ub]n`Uh]cb`hc`mci`f`cf[`Ub]n`Uh]cb`g`Vm`W]W]b[`
"GY`YV`]"b`h\Y`"Ugh`V`é`i`a`b`cZ`h\Y`fck`cZ`h\Y`gY`YV`YX`cf[`Ub]n`Uh]cb`"

5HH9BH=C`B`"G`l`ci`X`b`B`mci`Z]bX`h\Y`cf[`Ub]g`Uh]cb`X]gd`UmYX`]b`h\Y`"gh`hc`h\Y`bUa`Y`cZ`k`_`]W`mci`
]bhYbX`hc`UW`i`]fY`]bj`c]W]g`cZ`mci`f`dUma`Ybhgž`d`YUgY`V`é`bhUV`h\Y`9Xi`W]h]cb`5Xa`]b]ghf`Uh]cb`CZ]W`"

5HH9BH=C`B`"5dUf`h]Z`fca`UXX]b[`Ub`cf[`Ub]n`Uh]cb`hc`h\cgY`cZ`mci`f`ck`bž`mci`g`l`ci`X`b`ch]Zm`BYdhi`b`cZ`
h\Y`ZUW`h`Uh`Uh`k`_`]W`dUma`Ybhg`UbX`hc`k`_`]W`dfc`dcf`h]cb`mci`]bhYbX`hc`V`é`bg]XYf`h`Uh`cf[`Ub]n`Uh]cb`
Ug`U`dUmYf`"5`b`cf[`Ub]n`Uh]cb`a`UmVY`Ugg][`bYX`hc`U`dUma`Ybh]b`h\Y`"8]ghf]Vi`h]cb`fi`Yg`"hUV`cf`cb`h\Y`
DUma`Ybhg`gWY`Yb`Vm`W]W]b[`h\Y`"DUmYf`"V`é`i`a`b`cZ`Ub`]hYa`/`HUI`W`f`h]Z]W]hY`g`a`UmVY`WU]a`YX`Vm`
W]W]b[`h\Y`"HUI`W`f`h]Z]W]hY`"hUV`"

("DUma`Ybh`X]ghf]Vi`h]cb`fi`Yg`

H\]g`hUV`mci`Wb`UXX`fi`Yg`hc`YUW`gYa`YghYf`Vm`k`_`]W`]b`h\Y`W`ffY`bh`gYa`YghYf`h\Y`gmghYa`k`]`
`UbX`Y`h\Y`dUm]b]gž`k``YfY`dUma`Ybh`X]ghf]Vi`h]cb`]g`dYfa`]H\YX`Vm`h\Y`]bgh]hi`h]cb`UbX`cZ`k`_`]W`]bj`c]W]`
]g`U`ck`YX`hc`VY`]ggi`YXž`h\Y`]ggi`YX`]bj`c]W]g`k`]`V`é`bhU]b`h\Y`dUmYf`f]g`bUa`Y`]b`h\Y`dfc`dcf`h]cb`cf`i`d`hc`
h\Y`gdYV]Z]Y`]a`]h]bX]W]hYX`Vm`h\Y`X]ghf]Vi`h]cb`fi`Yg`"

9`["`mci`UXX`U`X]ghf]Vi`h]cb`fi`Y`h`Uh`h\Y`Z]fa`ž`k`_`]W`V`é`j`Yfg`_`U`Z`cZ`mci`ZY`gž`g`l`ci`X`fYVW]j`Y`Ub`
]bj`c]W]YI`UW`mci`Z`h`Uh`Ua`ci`bh`"

K`_`Y`b`mci`W]W]`"5XX`bYk`ž`U`gWY`Yb`]g`X]gd`UmYX`Zcf`fY[]ghYf]b[`h\Y`X]ghf]Vi`h]cb`fi`Y`":`]fgh`mci`_`Uj`Y`
hc`gYh`h\Y`gYa`YghYf`Zcf`k`_`]W`h\Y`fi`Y`k`]`VY`Udd`]YX`"b`h\Y`"8]ghf]Vi`h]cb`hmdY`"Z]Y`X`mci`Wb`XYZ]bY`
h`Uh`h\Y`dUmYf`fYVW]j`Y`Ub`]bj`c]W]cZ`U`W`f`h]b]dYfW`bh`cZ`U`Udd`f`cd`f]UhY`]hYa`g`fDY`fW`bH]U`Y`éž`cf`i`d`
hc`U`W`f`h]b]Ua`ci`bh`f]5a`ci`bh`"

6migY'YVh]b['h\Y'hk c'V\YV\ 'Vcl Yg'mci 'Wb'XYZ]bYz'k \Yh\Yf'Ub']bj c]W'cf'U'hUl 'Wfh]Z]WUh'y'g\ci 'X VY'jggi YX'Zcf'h Uh'dUmYf"

=b'h\Y'Z]Y'X'cZDUmYf'hmdY'mci '\Uj Y'hc'gY'YVh'k \Yh\Yf'h\Y'fY[]ghYfYX'dUmYf']g'U'df]j UhY'dYfgcb'fU DUfHbYfE'cf'U'Y[U'Yb]h]m'fU'cf[Ub]nUh]cbE'" =b'Vch'WUgYg'z'k \Yb'mci 'W]W\ 'h\Y'Y''dg]g'bYI h'hc'h\Y DUmYf]g'Z]Y'X'z'h\Y''gh'cZcf[Ub]nUh]cbg'cf'dUfHbYfg'Ugg][bYX'hc'mci 'k]''VY'cUXYX''K \Yb'h\Y'UVcj Y XUHU'gY'YVh'X'z'U''ch\Yf'Z]Y'Xg'k]''VY'Z]Y'X'Ui hca Uh]W' 'mVmBYdhi b'UbX'h\Yb'z']Z'U''XUH']g'W'ffYVWz W]W\ ''Guj Y''UbX'h\Y'X]ghf]Vi h]cb'fi 'Y'k]''VY'Ugg][bYX'hc'mci f'gY'YVh'X'gYa YghYf"

Hc'XY'Yh'U'X]ghf]Vi h]cb'fi 'Yz'a Uf_ 'h\Y''8Y'Yh''W'ci a b'cZ'h\Y'fi 'Yg'h Uh'mci 'k Ubh'hc'XY'Yh'z'UbX W]W\ ''8Y'Yh''"

) " HUI 'Wfh]Z]WUhY

H\Y'hUl 'Wfh]Z]WUh'y' hUv'YbUV'Yg'mci 'hc']bX]WUh'y'k \Yh\Yf'mci 'fYei]fY'U'hUl 'Wfh]Z]WUh'y'Zcf'U' []j Yb HUl 'mYUfz'UbX']Z'mYg'z'k \Uh'hmdY'cZ]h'UbX'Zcf'k \ca "'5'HUl 'Wfh]Z]WUh'y'Zcf'U'WfhU]b'mYUf'g\ci 'X'VY fYei]fYX'i bh]'>Ubi Ufm%) h'cZ'h\Y'gi VgYei Ybh'mYUf'" =h'a YUbg'h Uh'Zcf'mci f'dUm]bg']b'mYUf'&\$\$, mci '\Uj Y'hc'fYei]fY'U'hUl 'Wfh]Z]WUh'y'i bh]'>Ubi Ufm%) h'z'&\$-\$- 'Uh'h\Y''UhYgh"

Hc'fY[]ghYf'U'bYk 'HUI 'Wfh]Z]WUh'y'z'W]W\ ''BYk '']bY'z']b'h\Y'X]gd'UmYX'dcd! i d'k]bXck 'YbhYf'h\Y'mYUf Zcf'k \]W'U'hUl 'Wfh]Z]WUh'y']g'fYei YghYX'z'h\Yb'W]W\ 'h\Y'Y''dg]g'bYI h'hc'h\Y'Z]Y'X'cZ'h\Y'VYbYZ]WUfmcZ h\Y''HUI 'Wfh]Z]WUh'y''hc']]Yk 'h\Y''gh'cZmci f'ck b'dUfHbYfg"< YfY'h\Y'cf[Ub]nUh]cbg'UfY'bchUj U]UV'Y g]bW' h']h]cbg'Wb'VY'fYei YghYX'cb'mZcf'hc'df]j UhY'dYcd'Y"

H\Y'f'fYei Ygh'Zcf'dcghdcbYa Ybh' 'Vcl ']g'gYbg]V'Y'hc'VY'a Uf_YX'cb'm]Z'h\Y'dUfHbYfz'k \c'fY[]ghYfYX Zcf'h\Y'jggi Y'cZ'HUl 'Wfh]Z]WUh'y'z'Ug'h\Y'gh' XYbh'\]a gY'Z#A YfgY'Z]g'h\Y'cb'm]bX]j]Xi U'k \c']g'U'ck YX hc'fYei Ygh'U'hUl 'Wfh]Z]WUh'y'Uz'hYf'\Uj]b['Z]b]g\YX'\]g#A Yf'gh' X]Yg'Zcf'U''h\Y'YUf']Yf'gYa YghYfg'h Uh \Y#g\Y'\UX'W'a d'YhYX'Ug'U'gh' XYbh'

=b Zc f a Uh]c b

DYf]cXg

H\]g'gWYYb'WĕbHJ]bg'h\Y'a cfY'ja dcfhUbh'dYf]cXg'Vm'gYa YghYfgž'gi W'Ug'YI Ua 'fY[]ghfUh]cbž'gi V'YVh
fY[]ghfUh]cbž'dfY'a]bUfm'gi V'YVh'fY[]ghfUh]cbž'Wĕi fgY'fY[]ghfUh]cb'UbX'fY[]ghfUh]cb'dYf]cXg"

GYUfWk Zcf'ghi XYbhg

=b'h]g'gWYYb'mci 'Wb'Z]bX'ch\Yf'ghi XYbhg']b'h\Y'gmghYa 'Vm'h\Y]f'fYgdYVWj] Y'BYdhi b'WtXYz'bUa Yz
Y!a U]'UXXfYggz'cf'd\cbY'bi a VYf"

5HH9BH=C B' 'mci 'Wb'cb'mZ]bX'h\cgY'ghi XYbhg'k \c'\Uj Y'dYfa]hYX'h]g'cb'h\Y'GYUfW
Ui h\cf]nUh]cb' hUV']b'h\Y'DYfgcbU'XUH]P'GYH]b[g]'a Ybi "

%"GYUfWk Zcf'ghi XYbhg

:]''b'Uh'YUgh'cbY'cZ'h\Y'Z]Y'Xg']b'h\Y'gWYYbž'UbX'W]W' "GYUfWk ""GYUfWk 'k cf_g'Zcf'k cfX'ZFU[a Ybhg
Ug'k Y''/']b'gi W'WgYg'h\Y'gmghYa 'X]gd'Umg'U''dYcd'Y'k \cgY'Uthf]Vi hYg'Wt'bhU]b'h\Y'YbhYfYX'hYI h
ZFU[a Ybh'

&"J]Yk 'h\Y'VUg]WXUH'cZ'U'ghi XYbh

FYgi 'hg'Wb'VY'j]Yk X']b'h\Y''gh'cb'Vchca 'cZ'h\Y'gWYYb"K \Yb'W]W]b['hc'h\Y'fck 'cZ'h\Y'ghi XYbh
Wt'Wf'fbYXz'h\Y'VUg]WXUH'cZ'\ja #\Yf'Wb'VY'j]Yk YX"

' "'GYbX]b['a YggU[Y'hc'U'gdYV]Z]Wghi XYbh

K \Yb'mci 'W]W]b['hc'h\Y'GYbX'a YggU[Y]'b_']b'h\Y'']bY'cZ'fYgi 'hgž'mci 'Wb'U'gc'gYbX'U'a YggU[Y
hc'h\Y'ghi XYbh']b'ei Ygh]cb""=b'gi W'WgYg'h\Y'BYdhi b'WtXY'cZ'fYV]d]Ybh'k]''VY'Z]'YX']b
Ui hca Uh]W'm'Vm'h\Y'gmghYa "

GYUfVX 'Zcf'hYI hVcc_g

H\]g'gWYYb'U'ck'g'mci'hc'gYUfVX'Zcf'hYI hVcc_g'gUj'YX']b'h\Y'gmghYa'UWVfX]b['hc'fY[]ghYfYX
gi'V'YVWgZ'Ui'h\cffgŁ'h]hYZ'Ub[i'U[YZ'_Ymk'cfXZ'UbX'hYI hVcc_'hmdY"

K \Yb'gYUfVX]b['Zcf'U'hYI hVcc_'Z'YbhYf'hY'_bck'b'XUHJ']bhc'h\Y'WVffYgdcX]b['Z]Y'X'cZ'h\Y'Vfck'gYf
h\Yb'W]W_ 'GYUfVX'GYUfVX'k'cf_g'Zcf'dUfh]U'k'cfXg'Ug'k'Y''/']b'gi'VX'WUgYg'h\Y'gmghYa'X]gd'Umg'U'
fYgi'hg'k \YfY'h\Y'gY'YVWYX'Z]Y'X'WVbHJ]bg'h\Y[]j'Yb'hYI h'ZFU[a'Ybh"

K \Yb'mci'W]W_ 'U'hYI hVcc_'fck']b'h\Y'UddYUf]b[''ghZ'U'dcd! i'd'k]bXck'UddYUfg'k \]VX'g\ck'g'h\Y
XYHJ]g'cZ'h\Y'hYI hVcc_'WVbWfbyX"

5XX]h]cbU`GYfj]Wg

H\]g'a Ybi`YbUV`Yg'mci`hc`bUj] [UhY`hc`h\Y`cZZ]WU`k YVg]hY`cZ]H]gnhUgncZj Yf`f@Y [U`GcZk UfYŁż
k \YfY`Z`fh\Yf`]bZcfa Uh]cb`Wb`VY`cVhU]bYX`UVci`hidi`fV\Ug]b [`gcZk UfY`k]h\]b`h\Y`dfc [fUa`ž`UbX`mci`f
JcXUZcbY`WfX`VU`UbW`Wb`VY`hddYX`i`d`Ug`k`Y`j]U`h\Y`=bhYfbYh"

5HH9BH=CB`G\ci`X`mci`Uj`Y`UbmZ`fh\Yf`ei`Ygh]cbg`fY`Uh]b [`hc`h\Y`H]gnhUgncZj Yf`dfc [fUa`ž`d`YUgY
Xc`bch`Yg]hUhY`hc`Wbgi`h`h\Y`Wb`hUW`dYfgcbg`k`cgY`XYhU]g`UfY`]bX]WWhYX`cb`h\Y`k`YVg]hY"

%`7Ua`di`g`dfc [fUa`

:`cf`Z`fh\Yf`]bZcfa Uh]cb`UVci`h`h\Y`7Ua`di`g`dfc [fUa`ž`W]W`cb`h\Y`H]gnhUgncZj Yf`Vi`h`cb"

&"`JcXUZcbY`WfX`hcd!`i`d`

=Z`mci`Uj`Y`U`a`cV]Y`d\cbY`k`]h`U`JcXUZcbY`gi`VgW]dh]cb`UbX`k`Ubh`hc`hcd`i`d`mci`f`VU`UbW`ž`W]W`
cb`JcXUZcbY`WfX`hcd!`i`d`M`i`k`j`VY`hfUbgZYffYX`hc`U`k`YVg]hY`k`YfY`mci`Wb`hcd`i`d`mci`f`WfX`
j]U`h\Y`=bhYfbYhVmiZ`ck]b [`h\Y`]bghfi`W]cbg"

5 X a]b]ghf Uh]c b

F Y []ghfUh]c b

<Yf' mci 'Wb' c] Yfj]Yk' mci f' fY []ghfUh]cb' fYei Yghg' gi Va]hYX' Zcf' mci f' d' fYj]ci g' gYa YghYf' gZ' UbX']b h']g' gWYyb' mci 'Wb' U' gc' gi Va]h' mci f' fY []ghfUh]cb' fYei Ygh' Zcf' h' Y' bYi h' gYa YghYf''

5 HH9B H=C B " Bc' fY []ghfUh]cb']g' d' cgg] V' Y' i b' Ygg' h' Y' fY []ghfUh]cb' d' Yf] cX']g' c' d' Yb' Zcf' h' Y' h' fU] b] b [" H']g Wb' VY' W' Y' W' Y' X']b' h' Y' " =b' Zcf' a' Uh]cb' P' D' Yf] c' X' g' " a' Ybi " H' Y' " F' Y []ghYf' " Vi h' c' b' U' d' d' Y' U' f' g']b' h' Y' g' W' Y' Y' b' c' b' m']Z' h' Y' f' Y []ghfUh]cb' \ U' g' V' Y' Y' b' c' d' Y' b' Y' X' z' UbX' h' Y' W' f' f' Y' b' h' X' U' h' Y']g' V' Y' h' Y' Y' b' h' Y' g' h' U' f' h' U' b' X' h' Y' Y' b' X' X' U' h' Y' c' Z' h' Y' d' Yf] c' X''

8 YdYbX] b [' c' b' h' Y'] b' g' h' i' h'] c' b' f' g' Y' h'] b [g' z' f' Y []ghfUh]cb' a' UmVY' d' Yf' Zcf' a' YX'] b' h' c' k' Umg. ! ' Vm' U' d' d'] W' h'] c' b' z' ! ' Ui' h' c' a' U' h'] W'] m' f'

=Z' mci ' fY []ghYf' Vm' U' d' d'] W' h'] c' b' z' f' Y [U' f' X' Y' g' g' c' Z' h' Y' Z' U' V' i' k' \ Y' h' Y' f' h' Y' g' h' i' X' Y' b' h' \ U' X' h' c' Z']] b' U' f' Y []ghfUh]cb' g' \ Y' h' c' f' b' c' h' E' U' b' U' d' d'] W' h'] c' b' d' f' c' W' X' i' f' Y []g' h' U' f' h' Y' X' z' UbX' i' b' h'] mci f' U' d' d'] W' h'] c' b' Zcf' f' Y []ghfUh]cb' U' W' W' d' h' X' c' f' f' Y' Y' W' Y' X' z' U' h' h' Y' g' h' U' h' g' c' Z' h' Y' d' U' f' h'] W' U' f' g' Y' a' Y' g' h' Y' f' k'] " V' Y' P' D' Y' b' X'] b [I''

=Z' h' Y' f' Y []ghfUh]cb' k'] " V' Y' d' f' c' W' Y' X' Y' X' " U' i' h' c' a' U' h'] W'] m' z' U' g' c' f' Y [U' f' X' Y' g' g' c' Z' h' Y' Z' U' V' i' k' \ Y' h' Y' f' U' f' Y []ghfUh]cb' g' \ Y' h' Z'] Y' X'] b' c' f' b' c' h' z'] b' h' Y' Y' b' X' c' Z' f' Y []ghfUh]cb' d' f' c' W' X' i' f' Y' h' Y' g' m' g' h' Y' a' k'] " U' i' h' c' a' U' h'] W'] m' U' W' W' d' h' h' Y' g' h' i' X' Y' b' h' f' Y []ghfUh]cb' z' UbX' h' Y' g' h' U' h' g' c' Z' h' Y' d' U' f' h'] W' U' f' g' Y' a' Y' g' h' Y' f' k'] " V' Y' P' D' Y' b' X'] b [I''

% " F Y []ghfUh]c b' d' f' c' W' g' g'

Hc' f' Y []ghYf' z' W] W' " F Y []ghfUh]cb' " " H' Y' b' z'] b' U' d' c' d' ! i' d' k'] b' X' c' k' mci ' \ U' j' Y' h' c' X' Y' W' U' f' Y' k' \ Y' h' Y' f' h' c' f' Y []ghfUh]cb' h' c' h' Y' W' f' f' Y' b' h' g' Y' a' Y' g' h' Y' f' Vm' " 5 W' h'] Y' " c' f' " D' U' g' g'] Y' " g' h' U' h' g' " 5 Z' h' Y' f' \ U' j'] b [' g' Y' W' Y' X' h' Y' f' Yei] f' Y' X' g' Y' h'] b [z' W] W' " G' U' j' Y' "

5 HH9B H=C B " =Z' mci ' \ U' j' Y' b' h' i' f' Y []ghYf' Y' X' h' c' U' b' m' g' i' V' Y' W' i' Zcf' h' Y' g' Y' a' Y' g' h' Y' f' Vi' h' mci ' k' U' b' h' c' V' Y' f' Y []ghYf' Y' X' h' c' h' Y' h' f' U] b] b [' k'] h' " 5 W' h'] Y' " g' h' U' h' g' z' mci ' k'] " V' Y' U' g' _ Y' X' Vm' h' Y' d' f' c' [f' U' a' h' c' W' e' b' Z' f' a' k' \ Y' h' Y' f' mci ' k' U' b' h' c' W' e' b' h'] b' i' Y' h' Y' f' Y []ghfUh]cb' d' f' c' W' g' g' " =b' h'] g' W' U' g' Y' h' Y' z' b' W' h'] c' b' c' Z' h' Y' " 7 U' b' W' " Vi h' c' b' a' Y' U' b' g' h' U' h' h' Y' f' Y []ghfUh]cb' k'] " b' c' h' V' Y' W' e' a' d' Y' h' Y' X' z' g' c' V' Y' Zcf' Y' X' c'] b [' h' Y' f' Y []ghfUh]cb' z' mci ' a' Um' f' Y []ghYf' mci ' f' g' i' V' Y' W' g' " =Z' mci ' W] W' " C' ? " z' mci ' W' b' W' e' b' h'] b' i' Y' h' Y' f' Y []ghfUh]cb' " C' V'] c' i' g' n' z' mci ' W' b' U' g' c' f' Y []ghYf' mci ' f' g' i' V' Y' W' g' U' z' h' Y' f' h'] g''

=b' g' c' a' Y' W' U' g' Y' g' z' h' Y' f' Y []ghfUh]cb' a' Y' h' c' X' a' Um' U' g' c' X'] Z' Z' Y' f' Vm' h' Y' Z' U' V' i' k' \ Y' h' Y' f' h' Y'] b' g' h' i' h'] c' b' W' U' f' f'] Y' g' c' i' h' h' Y' f' Y []ghfUh]cb' c' Z' g' h' i' X' Y' b' h' g' k'] h' c' f' k'] h' c' i' h' U' f' Y []ghfUh]cb' g' \ Y' Y' h''

& " F Y []ghfUh]c b' k'] h' \ f' Y []ghfUh]cb' g' \ Y' Y' h'

5 g' U' f' Y' g' i' h' c' Z' h' Y'] b' g' h' i' h'] c' b' f' g' Y' h'] b [g'] h' a' Um' \ U' d' d' Y' b' h' U' h' h' Y' g' h' i' X' Y' b' h' z' U' z' h' Y' f' \ U' j'] b [' g' i' Va] h' Y' X' h' Y' X' Y' W' U' f' U' h'] c' b' c' b' h' Y' g' Y' a' Y' g' h' Y' f' g' h' U' h' g' z' U' g' c' g' \ c' i' X' Z']] b' U' f' Y []ghfUh]cb' g' \ Y' Y' h' " =b' h' Y' f' Y []ghfUh]cb' g' \ Y' Y' h' k'] b' X' c' k' mci ' g' \ c' i' X' W' Y' W'] mci ' f' h' Y'] b' Zcf' a' U' h'] c' b' c' Z' d' Y' f' g' c' b' U' X' U' h' z' h' f' U] b] b [' c' f' g' Y' a' Y' g' h' Y' f' z' UbX'] b' g' c' a' Y' W' U' g' Y' g' z' mci ' U' f' Y' U' c' k' Y' X' h' c' Y' X'] h' h' Y' X' U' h' U' " 5 Z' h' Y' f' V' e' a' d' Y' h'] b [' h'] g' z' mci ' W' b' W' e' b' Z' f' a' mci ' f' Y []ghfUh]cb' Vm' W] W'] b [" F' Y []ghfUh]cb' " 5 Z' h' Y' f' h'] g' z' X' Y' d' Y' b' X'] b [' c' b' k' \ Y' h' Y' f' h' Y' f' Y []ghfUh]cb' \ U' g' V' Y' Y' b' W' e' a' d' Y' h' Y' X' Vm' U' d' d'] W' h'] c' b' c' f' U' i' h' c' a' U' h'] W'] m' z'] b' h' Y' g' h' U' h' g' c' Z' h' Y' [] j' Y' b' g' Y' a' Y' g' h' Y' f' h' Y' h' Y' h' " 5 W' W' d' h' Y' X' " c' f' " D' f' c' W' g' g'] b [" k'] " V' Y' X'] g' d' U' m' Y' X''

' " Df] b' h' f' Y []ghfUh]cb' g' \ Y' Y' h'

H' Y' ' 9' X' i' W' h'] c' b' ' 5' X' a'] b'] g' h' f' U' h'] c' b' ' C' Z'] W'] a' Um' f' Y' e' i'] f' Y' h' U' h' mci ' g' \ c' i' X' g' i' Va] h' U' g'] b' Y' X' W' e' d' m' c' Z' mci ' f' f' Y []ghfUh]cb' g' \ Y' Y' h' c' h' Y'] b' g' h' i' h'] c' b' " : c' f' h'] g' f' Y' U' g' c' b' z'] h'] g'] a' d' c' f' h' U' b' h' c' b' c' h' Y' h' U' h' h' Y' f' Y []ghfUh]cb' g' \ Y' Y' h' W' e' i' X' V' Y' d' f'] b' h' Y' X' Y'] h' Y' f' X' i' f'] b [' h' Y' f' Y []ghfUh]cb' d' f' c' W' g' g' c' f' U' z' h' Y' f' k' U' f' X' g' Vm' W] W'] b [' h' Y' " F' Y []ghfUh]cb' g' \ Y' Y' h' "] b'] b' h' Y' f' Y []ghfUh]cb' f' Y' e' i' Y' g' h' g' W' Y' Y' b' " =b' Y'] h' Y' f' W' U' g' Y' g' z' W] W'] " Df] b' h' d' f' Y'] Y' k' " z' UbX'] b' h' Y' d' c' d' ! i' d' k'] b' X' c' k' g' Y' W' i' h' Y' " Df] b' h' " c' d' h'] c' b''

8 cfa]hcfmUdd`]WU]cb

H\]g']bhYfZUWV`U`ck g'mci`hc`Udd`mZcf`U`Xcfa`]hcfm]b`h\Y`W`ffYbh'g][b! i`d`dYf]cX`UbX`hc`W\YW`h\Y`Udd`]WU]cb`dc]bhg'mci` \Uj`Y`fYVW`j`YX"

%`GY`YVW`idYf]cX`UbX`hfU]b]b[

H\Y`]gh`Uh`h\Y`hcd`cZ`h\Y`dU[`Y`X]gd`Umg`h\Y`Xcfa`]hcfmUdd`]WU]cb`dYf]cXg`Uj`U]UV`Y`hc`h\Y`gh`XYbh`7`]W`h\Y`GY`YVW`Vi`Hcb`bYI`h`hc`U`gdYVWZ]WdYf]cXZ`UbX`cb`h\Y`5dd`]WU]cb`XYHJ]g`hUV`h`Uh`UddYUfg`i`gY`h\Y`Xfcd!`Xck`b`]gh`hc`gY`YVW`h\Y`hfU]b]b[`Zcf`k`\]W`mci`UfY`fY[]ghYfYX`H\Yb`W]W`5dd`m`"

&`8cfa`]hcfmUdd`]WU]cb

Cb`h\Y`8cfa`]hcf]Yg`hUV`h`i`g`UVW]`UhYXZ`W]W`5dd`m`bYI`h`hc`U`gdYVWZ]WXcfa`]hcfmhc`gi`Va`]h`mci`f`Udd`]WU]cb`hc`h\Y`dUfh]W`Uf`]bgh]h`h]cb":`cf`h\Y`gUa`Y`dYf]cX`mci`a`UmigY`YVW`a`cfY`h`Ub`cbY`Xcfa`]hcfmZ`k`\]W`mci`WUb`fUb`_`i`g]b[`h\Y`Vi`Y`Uffck`g`Uh`h\Y`hcd`cZ`h\Y`]ghZ`UbX`Z]bU`m`mci`WUb`fYW`fX`mci`f`Udd`]WU]cb`VmW]W]b[`h\Y`GUj`Y`fUb`_`Vi`Hcb"

'`7UbW`Xcfa`]hcfmUdd`]WU]cb` =Z`mci`W\Ub[`Y`mci`f`a`]bXZ`W]W`7UbW`bYI`h`hc`h\Y`fY`Yj`Ubh`Xcfa`]hcfmhc`gi`Va`]h`mci`f`WUbW`Uh]cb`Zcf`]h"

6mW]W]b[`7UbW`cb`h\Y`5dd`]WU]cb`XYHJ]g`hUVZ`mci`WUb`WUbW`U`Xcfa`]hcf]Yg`mci` \Uj`Y`g][`bYX!`i`d`Zcf`hc`h\]g`dc]bh"

GY`YWh'gdYWU`]nUh]c b

H\]g'gWYyb'gYfj Yg'Zcf'fY[]ghfUh]cb'hc'U'gdYWU`]nUh]cb'k]h\]b'h\Y'gdYWU`]nUh]cb'gY`YW]cb'dYf]cX'UbX Zcf'gYh]b['gY`YW]cb'dcg]h]cbg"

GdYWU`]nUh]cb'g][bYX'i d'Zcf']g'bchX]gd'UmYX'\YfY'Vi h']b'h\Y'a Ybi 'f Gh' X]Yg] 'i bXYf'gi Va Ybi f' HfU]b]b['XUHJ'"

GY`YWh]b['UbX'gcfh]b['cZ'gdYWU`]nUh]cb'Zcf'g][bi d

5g'U'Z]fgh'ghYdZ'Zfca 'h\Y`]gh'cZ'gdYWU`]nUh]cb'fY[]ghfUh]cb'dYf]cXg'gY`YW'U'gdYWU`]nUh]cb'fY[]ghfUh]cb'dYf]cX'VmW]W]b['hc'f'GY`YWh']b'h\Y'fck 'cZdYf]cXg']b'k \]W' mci 'k Ubh'hc'fY[]ghYf"

=b'h\Y`]gh'cZ'f5j U]UV'Y'gdYWU`]nUh]cbg] 'mci 'k]'VY'X]gd'UmYX'h\Y'gdYWU`]nUh]cbg]mci f'a UmUdd'mZcf fY[]ghfUh]cb'k]h\]b'h\Y'gY`YWYX'dYf]cX'"6mW]W]b['hc'f'Gh' XYbhg] ']b'h\Y`]gh'mci 'a Umj]Yk'h\Y`]gh'cZ fY[]ghYfYX'ghi XYbhg'Zcf'h\Uh'dUfh]W'Uf'gdYWU`]nUh]cb'"K \Yb'W]W]b['hc'f'G][bi d] ']b'h\Y`]gh'z'h\Y VefYgdcbX]b['gdYWU`]nUh]cb'k]'VY'UXXYX'hc'h\Y`]gh'cZ'f'GY`YWh'X'gdYWU`]nUh]cbg] 'Uh'h\Y'Vchca 'cZ dU[Y"

GY`YWh'X'gdYWU`]nUh]cbg'a UmVY'gcfhYX'fYei]fYX'Vm'mci 'Vm'h\Y'f'f d] 'UbX'f'8ck b] 'Vi Hhcbg'cb'h\Y hcd'cZ'h\Y`]gh' 'H\Y'dcg]h]cb'gYh'\YfY'k]'g\ck 'mci f'k]g\ 'k \]W'gdYWU`]nUh]cbg'g\ci 'X'VY'fY[]ghYfYX Uh'gh'"&bXz'" fXz'YhW'd'UVW"

=Z'mci 'k Ubh'hc'fYa cj Y'U'gdYWU`]nUh]cb'Zfca 'h\cgY'gY`YWYXz'gY`YWh']h']b'h\Y'WYW]Vcl 'cZ'f'8YgY`YWh'gdYWU`]nUh]cb] 'Vc'i a b'h\Yb'W]W]hc'h\Y'f'8YgY`YWh'gdYWU`]nUh]cb] 'Vi Hhcb'"H\Yb'h\Y'XYgY`YWYX'gdYWU`]nUh]cb'k]'VY'fYh'fbYX'hc'h\Y'f'5j U]UV'Y'gdYWU`]nUh]cbg] ']gh"

E i Ygh]cbbU]fYg

H\]g'gWYYb'U'ck g'mci 'hc'Wta d'YhY'ei Ygh]cbbU]fYg'dfYdUfYX'Vm'h\Y']bgh]hi h]cb'É'hd]W'`m'h\Y
ghi XYbhgDcd]b]cb'gi fj YmicZ'YW'i fYfg"

5HH9B H=C B ° 'E i Ygh]cbbU]fYg'UfY'U'k Umg'Wta d'YhYX'Ubcbma ci g'm'

Hc'Wta d'YhY'U'ei Ygh]cbbU]fY'W]W'UbmIdUfhicZ'h\Y'fck'cZ'h\Y'fYei]fYX'ei Ygh]cbbU]fY']b'h\Y']ghz'h\Yb
Ubgk Yf'h\Y'ei Ygh]cbg'X]gd'UmYX']b'h\Y'dcd!i d'k]bXck "':]bU'mW]W' "GYbX"hc'Zc'fk UfX'mci f'cd]b]cb
hc'h\Y']bgh]hi h]cb"C bW'h\Y'cdYfU]cb']g'Wta d'YhYXz'h\Y'ei Ygh]cbbU]fY'k]'X]gUddYUf'Z'fca' h\Y']ghicZ
W ffYbh'ei Ygh]cbbU]fYg"

A YggU[Yg

=b'h]g'gWYYb'mci'WUb'fYUX'mci'f'j]bWta']b['a YggU[Yg'UbX'YfY'mci'WUb'k f]hY'bYk 'a YggU[Yg'Ug
k Y''K]h]b'BYdhi b'mci'WUb'fYVW]j Y'a YggU[Yg'Zfca'YXi'WU]cb'UXa]b]ghfUhcfg'cZ\[\Yf'YXi'WU]cb
]bgh]h]cbz'Zfca'YVW'fYfgz'Ug'k Y''Ug'Zfca'ghi'XYbhg'Zcf'k'ca'mci'dYfa]hYX'UWVWgg]b'hY
"GYH]b[g'gWYYb'cZa YggU[Yg'6Yg]XYgz'Yj Yb'BYdhi b']hgY'Za UmigYbX'a YggU[Yg'UVci'g'mghYa
Yj Ybhg]Z'mci'gi VgW]VY'hc'VY'bch]ZYX'cZ'hYgY''H]g'U'gc'WUb'VY'XcbY]b'hY'GYH]b[g'a Ybi'cZ
a YggU[Yg'Mci'WUb'df]bh'hY'a YggU[Y'gh'VmW]W]b['hY'df]bhYf']Wbz'UbX'hYb'hY'Df]bh'Vi'htcb
]b'hY'X]gd'UmYX'df]bh'dfYj]Yk'gWYYb''Mci'fi'bfYUX'a YggU[Yg'k]''UddYUf']b'Vc'X"

%": YUhi fYg'Zcf'j]Yk]b[ž'gYUfW]b['UbX'gcfh]b['a YggU[Yg

=b'WUgY'cZa YggU[Yg'h]g'i gYz'hc'gcfh'hY''gh]b'XYWYUg]b['cfXYf'VmXUhy'cZ'fYVW]dž'ck Yj Yfz
k \Yb'W]W]b['Ubm]ZY'X'cb'hY'\YUXYf'fBYdhi b'WtXYz'GYbXYfz'Gi V'YVWz'F'YVW]j Y'XUhy'c'mci'WUb'gcfh
hY'WtbbhYb'h'cZ'hY'Ya h]fY''gh'VUgYX'cb'hY'gY'VWYX'ZY'X''H'Y'ZY'X'Vmik \]W'mci'f'a YggU[Yg'UfY
gcfhYX']g'X]gd'UmYX']b'U'X]ZYfYbh'W'ci'f'h'Ub'hY'ch'Yfg'UbX'bYi'hc'hY'ZY'X'U'ga U''Uffck'g'ck g
hY'gcfh'cfXYf"

Cb'hY'hd'cZ'hY''gh'mci'WUb'gYh'ck'a Ubmia YggU[Yg'mci'k Ubh'hc'VY'X]gd'UmYX''G\ci'X'hY''gh
VY'Yi'hybXYX'hc'a cfY'h'Ub'cbY'dU[Yz'mci' 'a Umhi'fb'dU[Yg'Vmi'g]b['hk'c!X]fYVW]cbU'Uffck'g'cf'Vm
hY'Xfcd!Xck'b'a Ybi "

6mW]W]b['gYUfW]Wt'bz'U'gYUfW]bhYfZUW'k]''UddYUf'cb'hY'hd'cZa YggU[Y'gh]'<YfY'Zfca'Xfcd!
Xck'b'a Ybi'gY'W'k \]W'a YggU[Y']bZcfa'Uh]cb'mci'k Ubh'hc'gYUfW]z'YbhYf'hY'hYi'h]b'hY'ZfY'Xz'UbX
W]W''GYUfW''5Z'Yf'h]gž'hY''gh'k]''cb'm'Wt'bh]b'hY'a U]g'h'Uh'a Y'h'hY'gYUfW]W]hYf]U''GYUfW
WUb'VY'W]f]YX'ci'U'gc'Zcf'k'cfX'ZfU[a Ybhgz'UbX'bch'a U_]b['X]ZYfYbW'VYhk'YYb'i'ddYf'UbX'ck Yf
WUgYg''Z'mci'k Ubh'hc'gY'hY'k'c'Y''gh'U[U]bz'W]W''GYUfW''UbX''YUj'Y'a dh'm'hY''HYi'hc'gYUfW
Zcf''ZY'X"

&" F YUX'UbX'fYd'mhc'a YggU[Yg

Hc'fYUX'U'a YggU[Y'W]W]cb']h' hY'a YggU[Y'hYi'h]g'X]gd'UmYX']b'hY'dcd!i d'k]bXck "Hc'fYd'mhc
hY'a YggU[Y']a' YX]Uhy'm'W]W''F'Yd'm''H]g'cdh]cb'WUb'bh'VY'i'gYX'Zcf'g'mghYa 'a YggU[Yg''H'Y'gUa'
fi'Yg'Udd'mhc'gYbX]b['fYd'm'Ug'hc'a YggU[Y'k'f]h]b['XYgW]VYX']b'dc]bh("

' "8Y'YhY'a YggU[Yg

=Z'mci'k Ubh'hc'XY'Yh'gca'Y'a YggU[Ygž'gY'VW'hY'W'YW]Vcl'fYgk']b'hY'fck'fgk'cZ'gY'VWYX
a YggU[Yf'fgk'UbX'W]W''8Y'YhY''

=Z'mci'k Ubh'hc'fYa'cj'Y'U''a YggU[Ygž'gY'VW'hY''8Y'YhY''W'YW]Vcl'cb'hY'hd'cZ'hY'Wt'i'a bz'UbX
W]W''8Y'YhY''

("K'f]hY'a YggU[Y

mci'WUb'gYbX'a YggU[Yg'hc'Ubm]gYf'cZ'BYdhi b'fUXa]b]ghfUhcfgz'YVW'fYfgz'ghi'XYbhgkz'ck Yj Yfz
hY'mk]''fYVW]j Y'hYa 'cb'm]Z]b'hY]f'gYH]b[g'mci'UfY'Yb'UV'YX'hc'gYbX'hY'a 'a YggU[Yg''C'hY'fk]gY
mci'k]''fYVW]j Y'Ub'Yffcf'a YggU[Y'k'Yb'mci'U'hY'a dh'hc'gYbX'a YggU[Y'hc'hY'a "

Hc'k'f]hY'U'bYk 'a YggU[Yz'W]W]'7ca' d'cgY'bYk 'a YggU[Y''=b'hY'dcd!i d'k]bXck'YbhYf'hY'BYdhi b
WtXY'cZ'fYVW]d]Ybh'fgkz'Z]'']b'hY'gi V'YVW]ZY'Xz'UbX'hmdY']b'hY'a YggU[Y'hYi'h]'5''h'YgY'ZY'Xg'bYX'hc
VY'Z''YXz'ch'Yfk]gY'hY'a YggU[Y'WUb'bh'VY'gYbh'

=b'hY''J'U'X'i bh''ZY'X'mci'WUb'YbhYf'U'XUhy'UZ'Yf'k \]W'hY'BYdhi b'g'mghYa 'Ui' hca'Uh]W'm'XY'YhY
hY'a YggU[Y'Zfca' hY'fYVW]jYbh'g'a U]Vcl''H]g'ZY'X']g'cdh]cbU''

Hc'gYbX'hY'a YggU[Yz'W]W]'GYbX''H'Y'g'mghYa 'bch]ZY'g'mci'cZ'hY'gi W'W]ggz'XY']j YfmcZ'hY
a YggU[Y''

Hc'fYi'fb'hc'hY'dfYj]ci'g'gWYYb'k]h'ci'gYbX]b['hY'a YggU[Yz'W]W]'6UW]'cf'WcgY'hY'dcd!i d
k]bXck "

5HH9BH=C B''A YggU[Yg'WUb'cb'm'VY'gYbh'Vm]bX]W]h]b['hY'BYdhi b'WtXY''=b'WUgY'cZa'cfY'fYVW]d]Ybhgž
hY'WtXY'g'ci'X'VY'gYdUfUHYX'Vm'Wt'a U'g'

GYb'ia YggU[Yg

=b'h]g'gWYYb'mci 'Wb'j]Yk 'h\Y''ghicZci h[c]b['a YggU[Yg''H\Y''ghicZa YggU[Yg'Wb'VY'df]bhYX'ci h
VmW]W]b['hc'h\Y'df]bhYf']Wb'cb'h\Y'hcd'cZ'h\Y''gh"

%"FYUX'gYb'ia YggU[Yg

Hc'fYUX'U'a YggU[Yz'W]W] 'hc'h\Y'fck 'cZ'h\Y'a YggU[Y'Wb'WfbYX"

&"8Y'YhY'gYb'ia YggU[Yg

=Z'mci 'k Ub'h'c'XY'Yh'Y'a YggU[Ygž'gY'YVh'h\Y'W\YW] 'Vcl fYgŁ']b'h\Y'fck 'cZ'gY'YVh'X'a YggU[Yf'gŁ'UbX
W]W] 'í8Y'YhY'í"

=Z'mci 'k Ub'h'c'fYa cj Y'U''a YggU[Yg'Z'ca 'h\Y'dU[Yž'gY'YVh'h\Y'W\YW] 'Vcl 'cb'h\Y'hcd'cZ'h\Y
í8Y'YhY'í 'WŁ'í a bž'UbX'W]W] 'h\Y'í8Y'YhY'í 'Vi h'cb"

A YggU[Y'gYhh]b [g

=b'h\]g'gWYYb'VmighYdd]b['h\fc[[\ 'h\Y' hUVgž'mci 'Wb'gYh'h\Y'dfYZfYbW'g'cZgYbX]b['UbX'fYVW]j]b[a YggU[Yg''Mci 'Wb'gYh'k \Yh\Yf'U'ghi XYbh]g'dfc\]V]hYX'cf'dYfa]hYX'hc'gYbX'a YggU[Yg'hc'mci ž'cf k \Uh'Zcfa Uh'UbX'k \Uh'hmdYg'cZa YggU[Yg'Xc'mci 'k Ubh'hc'fYVW]j Yž'Ug'k Y''Ug'mci 'Wb'gi VgW]VY'hc]bZcfa Uh]cb'j]U'GA G"

%''9bUV'Y'a YggU[Y'fYVWdh]cb

<YfY'mci 'Wb'dfc\]V]h'cf'dYfa]h'hc'gYbX'a YggU[Yg'Vmich\Yf'ghi XYbhg"

6migY'YVh]b[''Dfc\]V]h''Uh'' DYfa]h'a YggU[Y'gYbX]b['Zcf'U''ghi XYbhg''cdh]cb'Vi Htcb ž'mci '[YbYfU'm fYghf]Vh'U''ghi XYbhg'hc'gYbX'mci 'a YggU[Yg''=Z'mci 'gY'YVh''DYfa]h''ž'U''ghi XYbhg'k]''VY'U''ck YX'hc gYbX'mci 'a YggU[Yg"

=Z'mci 'k Ubh'hc'YI Ya dh'gca Y'ghi XYbhg'Zcfa 'h\Y'UVcj Y'dfc\]V]h]cb'cf'dYfa]gg]cbž'mci '\Uj Y'hc'UXX h\cgY'i gYffgk'hc'h\Y''9I Ya dh]cbg''gh'Uh'h\Y'Vchca 'cZgWYYb''G\ci 'X'mci 'Udd'mY]h\Yf'cdh]cb f['cVU'dfc\]V]h]cb'cf'dYfa]h'ž'W]V''BYk 'YI Wdh]cb''UbX']bgYfh'h\Y'BYdhi b'WtXY'cZh\Uh'ghi XYbh'Zcf k \ca 'mci 'k Ubh'hc'dYfa]h'cf'dfc\]V]h'hc'gYbX'a YggU[Ygž'XYdYbX]b['cb'h\Y'UVcj Y'fi 'Y''H\Yb'gY'YVh h\Y'fYei]fYX'cdh]cb'' :] 'h\Y'fi 'Y'Vm]W]V]b[''GUj Y''5Zhf'h\]gž'h\Y'gUj YX'fi 'Y'k]''UddYUf'cb'h\Y gWYYb'UbX''Uh'f'Wb'VY'YX]hYX'cf'fYa cj YX'fa Uf_ 'h\Y'WYV'Vcl ''8Y'Yh''ž'UbX'W]V''8Y'Yh' gY'YVh'X'fi 'Yg'É'Vm]W]V]b['h\Y'Uddfcdf]Uh'Vi Htcb"

5HH9BH=C B'' A YggU[Yg'Zcfa ''YVh' fYfg'cf'UXa]b]ghfUhc'fg'UfY'bch'U''ck YX'hc'VY'dfc\]V]hYX']b'h\Y gmgh'Ya "

&''5i hca Uh]Wbch]Z]W]h]cbg

<YfY'mci 'Wb'XYZ]bY'k \]W'a YggU[Y'hmdYg'mci 'k Ubh'hc'VY'bch]ZYX'cZj]U'Y!a U]'UbX'#cf'GA G"

5HH9BH=C B''h\Y'GA G'gYfj]W]g'Uj U]UV'Y'cb'm]Z'mci 'dfYj]ci g'mfY[]ghYf'hc']h'f'GA G'gYfj]W''hUV'# ''GA G'gYfj]W''Vi HtcbÉ''Mci 'Wb'fYVW]j Y'Y!a U]'a YggU[Yg'cb'm]Z'mci 'dfYj]ci g'mfY[]ghYf'mci f ''C Z]W]U''hmdY'Y!a U]'UXXfYgg]b'h\Y''DYfgcbU''8UH''#''7cbhUVh]bZcfa Uh]cb''a Ybi ''9a U]'UXXfYggYg''hUV"

A YggU[Yg'\Uj Y'Zci f'hmdYg'Zcfa 'h\Y'i b]j Yfg]h'ghUZZ'Zcfa 'ch\Yf'ghi XYbhgž'WtBWfb]b['ghi X]Ygž'cf WtBWfb]b['h\Y'Z]bUbW'g''5''Zci f'hmdYg'Wb'VY'fYei YghYX'Vch'j]U'Y!a U]'cf'GA G''6migY'YVh]b['h\Y WYV'Vcl Yg]b''9a U]'UbX''GA G''Wt'i a bgž'mci 'Wb'XYZ]bY'k \Yh\Yf'cf'bch'mci 'bYXX'h\Y'a YggU[Yg fY'UhYX'hc'h\Uh'dUfh]W'Uf'fck'' : cf'YI Ua d'Y]Z'mci 'k Ubh'hc'fYVW]j Y'a YggU[Yg'Zcfa 'Ya d'cniYg'cZh\Y]bgh]h' h]cb'U'gc'VmY!a U]ž'gY'YVh'h\Y'WYV'Vcl 'i bXYf''9a U]'Wt'i a b'byI h'hc'h\Y'fck'cZ''A YggU[Yg Zcfa 'h\Y'i b]j Yfg]h'ghUZZ''Hc'gUj Y'h\Y'gYh]b[gž'W]V''GUj Y''