DUfUa YX]Wgʻgk]Zh`mʻUggYggYXʻUbXʻhfYUhYXʻh\Yʻ]bʻlfYX`]bX]j]Xi U`gž U`h\ci [\`h\YʻgdYW]Z]WYI hYbh`cZʻh\Y]f`]bʻlf]Ygʻ\UgʻmYh`hcʻVY X]gWcgYX"ʻGYj YfU``j]Wh]a gʻkYfYʻhfUbgdcfhYXʻhcʻbYUfVmʻa YX]WU` ZUW]`]h]YgʻZcfʻZi fh\YfʻWUfY"`H\YʻUZhYfa Uh\`WfYUhYXʻUʻgi VghUbh]U` fcUXV`cW\_`Uh`h\]gʻ\_Ym`]bhYfgYWh]cbž'X]gfi dh]b[`hfUZZ]WU`cb[`Uʻj]hU`

#### UVW/cfX]b[ 'hc'@cWU`'5WW]XYbh'FYdcfhg"

? Uh\`YYb`FX`UbX`K`AYacf]U``6`jXž`@U\_Y`UbXž`Dc`\_ 7cibhmž`IG5`!`9aYf[YbWmWfYkg`gdfUb[`]bhc`UWh]cb`h\]g`dUgh GibXUmž`fYgdcbX]b[`hc`U`jY\]WY`WfUg\`h\Uh`fYgi`hYX`]b`]b^if]Yg`Uh h\Y`Vigh`]b[`]bhYfgYWh]cb`cZ?Uh\`YYb`FX`UbX`K`AYacf]U``6`jX`]b Dc`\_`7cibhm"`H\Y`Wc``]g]cb`kUg`fYdcfhYX`Uh`-.)+`U"a"ž`k]h\ fYgdcbXYfg`Uff]j]b[`cb`h\Y`gWYbY`Vm`Uddfcl]aUhY`m`%\$.&)`U"a"ž



9a Yf[YbWm'WfYkg`fYgdcbXYX`hc`U`jY\]WY`WfUg\`]b`Dc`\_ 7cibhm`cb`\$`m`&\$ž`&\$&)ž`WUig]b[`]b1f]Yg`UbX`hfUZZ]W X]gfidh]cbg`Uh`\_Ym`]bhYfgYWh]cbg"

## A U^cf'7fUg\`Uh`@U\_Y`UbX`=bhYfgYWh]cb 7Ui gYg`=b^i f]Yg`UbX`HfUZZ]W7\Ucg

# GUZY 8f]j]b[ A UhhYfg

fYgdcbg]V]`]hm'UbX'fcUX'gUZYhm"

H\]g`]bW]XYbh`i bXYfgWcfYg`bch`cb`m`h\Y`dYfgcbU``hfU[YX]Yg`h\Uh Uf]qY Zfca fYW\_Yqq Xf]j ]b[ Vi hU`qc h\Y VfcUXYf`]a d`]WUh]cbg cZ qdYYX!fY`UhYX`UVW]XYbhg`cb`ciffcUXkUmg"'K]h\`5dcbhYg UXa ]qq]cb cZ ZUh][ i Y Zfca 'U b][ \hcZ k cf\_'Ug \]q'1 qh]Z]WUh]cb Zcf gdYYX]b[ž:h\Y`WUgY`fU]gYg`YggYbh]U``ei Ygh]cbg`UVci h`Xf]j Yf

=b`U`fY`UhYX`WcbhYI hz`Wcbg]XYf`h\Y`fYWYbh`WUgY`]bj c`j ]b[`&+!mYUf! c`X`DUi``7UghY``Ubc`5dcbhYžk\c'ZUWYX'gYf]cig'W\Uf[Yg ghYaa]b['Zfca'U'jY\]W`Uf'\ca]W]XY'h\Uh'hcc\_'d`UW']b Bcj Ya VYf'&\$&("'FYdcfhg'Zfca '7c``Y[Y'Gdcfhg'K]fY'fYjYU`'h\Uh j]XYc'Yj]XYbWY'q\ckg'U'hfciV`]b['hfYbX']b'Dc`\_'7cibhmž'k\YfY Xf]; Yfg'k YfY bch'ghodd]b[ 'Zcf'gWkcc``Vi gYg''5dcbhY'k Ug'fYWcfXYX hfUj Y`]b[ 'Uh'U'ghU[ [ Yf]b[ '%\$%'a d\ '1 gh'Z]j Y'gYWcbXg'VYZcfY WfUg\]b[`]bhc`U`jY\]WY`Xf]jYb`Vm`,(!mYUf!c`X`8cbU`X`G\Y`Vm K f][\hžk\c``UhYf`qi WW a VYX`hc`\]q`]b^\f]Yq`]b`U`\cqd]hU`"

<]ghcf]WU``mž`Dc`\_`7cibhm`\Ug`k]hbYggYX`Ub`idh]W\_`]b`UVW}XYbhg`Uh g][bU`]nYX`]bhYfqYWh]cbg`cjYf`h\Y`dUgh`Z]jY`mYUfg"`H\Y`fYUgcbg`Zcf h\YgY`]bW]XYbhg`ZfYeiYbh`m`]bjc`jY`fYX``][\h`fibb]b[žX]ghfUWhYX Xf]i ]b[ ž'UbX'ZU]`i fY'hc'm]Y`Xž'\][ \`][ \h]b[ 'h\Y'Wca d`YI ]h]Yg'cZ'h\]g Vi gm<sup>·</sup>UfYU<sup>·</sup>k \YfY<sup>·</sup>a i `h]d`Y<sup>·</sup>fcUX<sup>·</sup>i gYfg<sup>·</sup>Wcbj Yf[ Y"<sup>·</sup>≯ gh<sup>·</sup>\ck <sup>·</sup>gUZY<sup>·</sup>UfY ciffcUXgk\YbgiW\UWW]XYbhgcWWfk]h\U`Ufa]b['fY[i`Uf]hm3

WfUg\`UbX`[Uh\Yf]b[`k]hbYgg`UWWcibhg"

?Uh\`YYb`FX`UbX`K `A Ya cf]U``6`j X`UfY`\YUj ]`m`hfUZZ|W\_YX`fci hYg h\Uh'WcbbYWh'fYg]XYbh]U``bY][\Vcf\ccXg'hc'Wca a YfW]U``\i Vg"'Dc`\_ 7 ci bhm': ]fY'UbX'FYgW'Y'hcc\_'WXUf[Y'cZ'h\Y'gWYbYžX]fYWh]b[ hfUZZ]WUbXYbqif]b[ a YX]WU`Uqq]qhUbWYkUqdf]cf]h]nYX"8Yqd]hY  $h Y = \frac{1}{2} \frac{1}{2$ dfYgYbh'WLU``Yb[Ygž'k]h\'dc`]WY']bjYgh][Uh]b['h\Y'WUigY'cZ'h\Y

## HfUZZ]WA Um\Ya

Wcff]Xcf']b'@U Y`UbX'UbX']a dUWh]b['`cWU`'Wca a i hYfg"

H\Y'fYWYbh'Wc``]g]cb'Uh'h\Y'?Uh\`YYb'FX'UbX'K 'AYacf]U`'6`jX ]bhYfgYWh]cb'gYfjYg'Ug'U'ghUf\_'fYa]bXYf'cZ'h\Y'if[Ybh'bYYX'Zcf Xf]jYfg'hc'VY'j][]`Ubh''9aYf[YbWm'dYfgcbbY``ghfYgg'h\Uh ]aaYX]UhY'aYX]WU``UhhYbh]cb']g'j]hU`'Zcf'WfUg\'j]Wh]agž'Ug'bch'U`` ]b'if]Yg'aUb]ZYgh']aaYX]UhY`m''9bgif]b['fcUX'gUZYhm']gbh'igh'U aUhhYf'cZ'UV]X]b['Vm'gdYYX'`]a]hg/']hg'UVcih'ZcghYf]b['U'Wi`hifY cZ'WUfY'UbX'fYgdcbg]V]`]hm'Uacb['U```fcUX'igYfg''

5g'Dc`\_'7ci bhm'bUj ][UhYg'h\Y'W\U`Yb[Yg'dcgYX'Vm'\][\'hfUZZ]W j c`i a Yg'UbX'UWW]XYbh'ZfYei YbWhž'fYg]XYbhg'UfY'YbWci fU[YX'hc dfUWh]WY'WUi h]cb'UbX'Wcbg]XYf'Y[U`Uj Ybi Yg'Zcf'Ybgi f]b['h\Y]f f][\hg'UfY'dfchYWhYX'g\ci `X'h\Ym'Z]bX'h\Ya gY`j Yg'WUi [\h']b i bZcfhi bUhY'g]hi Uh]cbg"'8cW a Ybh]b['h\Y'gWYbY'UbX'WcbhUWh]b['U `Y[U``dfcZYgg]cbU``WUb'[c'U`cb['k Um']b'gUZY[i UfX]b['WU]a g fY`UhYX'hc'a YX]WU``cf'dfcdYfhm'XUa U[Yg"

8YhU]`g	
Cfh	?Uh\`YYb`FX`UbX`K `AYacf]U``6`j Xž
	@U_Y`UbXž'Dc`_'7cibhmž'IG5
EiY``Yb	<ul> <li>`cWU`UWW]XYbhfYdcfhg"Wca</li> </ul>
	<ul> <li>Wc``Y[Ygdcfhgk]fY"igUhcXUm"Wca</li> </ul>

### 6Ygi WXYb'G]Y'i bg'Ui Z'a Y]b!k ]Yb"bYh