## BYk 'Fi `Y. 'Ghi XYbh'J]gU'5dd`]WUbhg'A i gh ; c'Di V`]Wcb'GcW]U`'A YX]U°

H\Y`I "G"`fYgi a Yg`ghi XYbh'j ]gU`dfcWYgg]b[`k]h\`bYk `gcW]U` a YX]U`di V`]WdfcZ]`Y`fYei]fYa Ybhg`hc`Yb\UbWY`bUh]cbU` gYW'f]hm'j Yhh]b["



6fYj UfX:7ci bhmžil G5:!:H\Y:I "G":8YdUfha Ybh:cZ:GhUhY:]g:hU\_]b[Vc:X:ghYdg:hc:fYj Ua d:]hg:]bhYfbUh]cbU::ghi XYbhij ]gU:dfcWggž Ubbci bW]b[:h\Y:fYgi a dh]cb:cZ:ghi XYbhij ]gU:]ggi UbWY:k ]h\:U g][b]Z]WUbh:bYk:hk ]gh":5dd`]WUbhg:UfY:bck:fYei ]fYX:hc:gYh:h\Y]f gcW]U::a YX]U:dfcZ]'Yg:hc: di V`]W::Xi f]b[:h\Y:Udd`]WUh]cb:dfcWYgg" H\]g:XYj Y`cda Ybh:]g:dUfh:cZ:Ub:YI dUbXYX:j Yhh]b[:]b]h]Uh]j Y:U]a YX Uh:Yb\UbW]b[:bUh]cbU::gYW:f]hm:ghUbXUfXg":5WWcfX]b[:hc:A m:BYk g % ž:U:a Ya c:fY:YUgYX:cb:>j bY:%- :ghUhYg:h\Uh:h\Y:bYk::fi:`Y:]g ]bhYbXYX:hc:Ybgi fY:h\Uhij ]gU:Udd`]WUbhg:Xc:bch:\UfVcf:]bhYbh]cbg hc:\Ufa :5a Yf]WUbg:cf:Wca dfca ]gY:bUh]cbU::]bhYfYghg":

A UX\i f]a U'DUhi f]ž'Ub'UhhcfbYm'ZUa ]`]Uf'k ]h\'h\Y']a a ][ fUh]cb dfchcWc`gž'\][\`][\hg'h\Uh'k\]`Y'g\Uf]b['gcW]U`'a YX]U'UWWci bhg

## HY = a dUWh cZBYk Fi Yg

H\]g`UXX]h]cb`Zc``ck g`U`Vf]YZh\fYY!k YY\_`\U`h`cb`bYk `ghi XYbh'j ]gUUdd`]WUh]cbg`U]a YX`Uh`fYj ]Yk ]b[ `UbX`]a dfcj ]b[ `h\Y`gWfYYb]b[ dfcWyggYgž`Ug`fYdcfhYX`Vm: cl `%' "'\def g`k cfh\`bch]b[ `h\Uh`h\Y GhUhY`8YdUfha Ybh`\UX`dfYj ]ci g`m`]a d`Ya YbhYX`gcW]U``a YX]U ]bgdYWh]cbg`Zcf`WYfhU]b`Udd`]WUbhg"'<ck Yj Yfž'h\Y`VfcUXYf Udd`]WUh]cb`cZh\]g`dc`]Wm`]g`Yl dYWhYX`hc`g`ck `Xck b`h\Y'j ]gU Udd`]WUh]cb`dfcWygg`g][ b]Z]WUbh`m"'\def ghi\ck `a i W\``cb[ Yf`ghi XYbhg a Um`\Uj Y`hc`k U]h`]g`gh]```i d`]b`h\Y`U]fž``YUj ]b[ `dfcgdYWh]j Y ]bhYfbUh]cbU``ghi XYbhg`cb`h\Y`YX[ Y`cZh\Y]f`gYUhg"

A cfYcj Yfž'k ]h\ cj Yf'%"%'a ]``]cb']bhYfbUh]cbU``ghi XYbhg`ghi Xm]b[
]b'h\Y'l "G"'Xi f]b['h\Y'&\$&' !&('UWUXYa ]WmYUfž'h\YfY'UfY
YWcbca ]W]a d`]WUh]cbg'hc'Wcbg]XYf"'=bhYfbUh]cbU``ghi XYbhg
di a dYX'` (' ", 'V]``]cb']bhc'h\Y'l "G"'YWcbca m'UbX'gi ddcfhYX'a cfY
h\Ub'' +, ž\$\$\$'^cVgž'i bXYfgWcf]b['h\Y]f'Wcbhf]Vi h]cb'hc'h\Y'`cWU`
UbX'bUh]cbU``YWcbca ]WZUVf]W'

## Mci f GcWJU`A YX]Už Mci f J ]gU

#b 'h\]g'bYk 'U[Y'cZ'gWfi h]bmž'Yj Yfm'dcgh'UbX'hk YYh'Wci 'X dchYbh]U``m'd`Um'U'fc`Y']b'U'j ]gU'Udd`]WUh]cb'ci hWca Y"'H\Y YI dUbXYX'fY[i `Uh]cbg'i bXYf`]bY'h\Y'GhUhY'8YdUfha Ybh g'cb[c]b[Wca a ]ha Ybh'hc'di V`]WgUZYhm''5dd`]WUbhg'Zcf': ž'A ž'UbX'> bcb]a a ][fUbh'WUgg]Z]WUh]cbg'k]``bck 'ZUWY'Wca dfY\Ybg]j Y j Yhh]b['cZ'h\Y]f'cb`]bY'dfYgYbWYž'U'g][b]Z]WUbh'`YUd']b'\ck 5a Yf]WU'UddfcUWXYg'VcfXYf'gYW'f]hm'': i ``!h]a Y'Ybfc``a Ybh']b'Ub UWUXYa ]Wz'`Ub[i U[Y!hfU]b]b[z'cf'j cWUh]cbU`'dfc[fUa ']g'gh]`` a UbXUhcfmz'U'cb[g]XY'a U]bhU]b]b['U'fYg]XYbWY'UVfcUX"

 $\label{eq:continuous} H\Y`UX^1\gha\Ybhg`]b`j\]gU`dc`]W]Yg`\Uj\Y`VYYb`a\Yh`k\]h\`a\]l\YX$ 

fYUWh]cbg" K \]`Y a Ubmij ]Yk 'h\Ya 'Ug'bYW ggUfm'Zcf'bUh]cbU`gYW f]hmž'ch\Yfg'YI dfYgg'WcbWYfb'cj Yf'h\Y'YI WYgg]j Y'fYUW\]bhc dYfgcbU```]j Yg'j ]U'gcW]U``a YX]U"'H\Y'Hfi a d'UXa ]b]ghfUh]cb'\Ug Yj Yb'\UX'W\U``Yb[Yg'k]h\']bhYfbUh]cbU``ghi XYbh'UXa ]gg]cbg'Uh dfYgh][ ]ci g']bgh]hi h]cbg'`]\_Y'<Ufj UfX'I b]j Yfg]hm"'=b'U'bchYk cfh\m `Y[U``hk]ghž'U'ZYXYfU`'^i X[Y'\Ug'hYa dcfUf]`m'V`cW\_YX'h\Y'K\]hY<br/><ci gY'Zfca ']a d`Ya Ybh]b['U'VUb'cb'<Ufj UfX g'UXa ]gg]cb'cZ ZcfY][ b'ghi XYbhgž'g\ck WUg]b['Ub'cb[c]b['hi ['cZ'k Uf'cj Yf]a a ][fUh]cb'dc`]W]Yg"

5g'J U`YbW]U'7c``Y[Y'Ubbci bWXX'h\Y'gi gdYbg]cb'cZ']hg
]bhYfbUh]cbU``ghi XYbh'fYWfi ]ha Ybhž'a Ubm'UfY'`YZh'k cbXYf]b['\ck
h\YgY'VfcUXYf'dc`]W]Yg'k]```UZZYWh'h\Y]f'UV]`]hm'hc'ghi Xm']b'h\Y'I "G"
k\]`Y'U`gc'dcbXYf]b['h\Y']a d`]WUh]cbg'cb''cVg'UbX'`cWU`
YWcbca ]Yg"'H\]g'g\]Zh']b'dc`]Wm'WYUf`m'a Uf\_g'U'bYk'WXUdhYf']b
h\Y'bUffUh]j Y'gi ffci bX]b[']bhYfbUh]cbU`'YXi WUh]cb']b'5a Yf]WUž
V`YbX]b['UgdYWhg'cZ'gYW'f]hm'UbX'gcW]U`'WcbbYWh]j ]hm"

cfa cfY`]bZcfa Uh]cbžmci `WUb`fYUX`h\Y`Zi ```Ufh]WYg`Zfca `Am BYkg`%' `\YfYž`: cl `%' `\YfYž`UbX`@Yl `%, `\YfY"

8 Y hU]`g	
Cfh	6fYj UfX 7ci bhmži G5
EiY``Yb	• a mbYk g%' "Wca
	• k k k "Zcl %' bck "Wca
	• k k k "`YI %, "Wca

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