

:]bUbn]Y``Y`Gcf[Yb`VY]a A Ui g !GhUf. 7\f]ghcd\ 6]Ya Ubb fi Zh`ni f <]`ZY`Ui Z°</pre>

7\f]ghcd\'6]Ya Ubbž'GhUf'XYf' GYbXi b['a]h'XYf'A Ui g ž gdf]W\h'ØVYf'gY]bY'Z]bUbn]Y``Yb'Gcf[Yb'i bX'XUg'H\Ya U 5`hYfgUfa i h']b'8Yi hgW\`UbX"

8 Yi hgWX`UbX`!`7\f]ghcd\`6]Ya UbbžY]b`VY_UbbhYg`; Yg]W\h`Ui g
XYf` GYbXi b[a]h`XYf`A Ui g ž`\Uh`]b`Y]bYa `U_hi Y``Yb`DcXWUgh
cZYb`ØVYf`gY]bY`Z]bUbn]Y``Yb`GW\k]Yf][_Y]hYb`[YgdfcW\Yb"`8Yf`+"

*i b]`&\$\&)`Vf]b[h`ZØf`XYb`VY`]YVhYb`A cXYfUhcf`X]Y`YfgW\fYW_YbXY
9f_Ybbhb]gž`XUgg`gY]b`?cbhcghUbX`]b`X]Y`H]YZY`[Y\h`i bX`Yf`g]W\
Gcf[Yb`i a `gY]bY`Z]bUbn]Y``Y`Ni _i bZh`a UW\h"`Hfchn`gY]bYf
`Ub['A\f][Yb`9fZc`[Y`i bX`XYb`nU\`fY]W\Yb`5i gnY]W\bi b[Ybž`X]Y
X]Y` GYbXi b[`a]h`XYf`A Ui g `Yf\U`hYb`\Uhž`k]Y`XYb`; c`XYbYb
6Ua V]`i bX`XYb`6UmYf]gW\Yb`: YfbgY\dfY]gž`g]Y\h`6]Ya Ubb`g]W\
a]h`XYb`< YfUi gZcfXYfi b[Yb`XYf`GY`Vghgh\bX][_Y]h`_cbZfcbh]Yfhž
X]Y`cZh`i bfY[Y`a \angle][Y`9]b_ØbZhY`a]h`g]W\`Vf]b[h\"@Ui h`hn`\Uh`Yf
ni [Y[YVYbž`XUgg`Yf`a UbW\a U``XUfØVYf`bUW\XYb_hž`j cb`k Ya `Yf
g]W\`; Y`X``Y]\Yb`_ObbhYž`i a `ØVYf`X]Y`Fi bXYb`ni `_ca a Yb"

a 'DcXWUgh' Xi XYg 'Yf_'ÀfhY'6]Ya Ubbž'XUgg'gY]b'Z]bUbn]Y``Yf 8fi W_'\Ài Z]['XUni 'ZØ\fhž'XUgg'Yf'i a 'gY]b'5i g_ca a Yb'_Àa dZYb a i gg"'5i Z'₺ghU[fUa 'Ài » YfhYb'j]Y`Y': Ubg'6Ygcf[b]g'ØVYf'gY]bY G]hi Uh]cb'i bX'gW\`i [Yb'gc[Uf'Y]bY'7fck XZi bX]b[!5_h]cb'j cfž'i a]\a 'ni '\Y`ZYb"'8]Yg'j YfXYi h']W\h'X]Y'[fc»Y'I bhYfghØhni b[ž'X]Y'Yf j cb'gY]bYf': Ub[Ya Y]bXY'Yf\À`hž'k À\fYbX'Yf'g]W\'a]h'gY]bYb Z]bUbn]Y``Yb'< YfUi gZcfXYfi b[Yb'Ui gY]bUbXYfgYhnh"

5 hYfgUfa i h]b 8 Yi hgW `Ub X

_Aa dZYb`\Uh"\8 Ug`H\Ya U`5`hYfgUfa i h`]b`8 Yi hgW\`UbX`b]a a h`ni i bX`ghY``h`Y]bY`Yfbgh\UZhY`[YgY``gW\UZh`]W\Y`< YfUi gZcfXYfi b[`XUf" 5_hi Y``Yb`6Yf]W\hYb`j cb`6i Yf[Y`!; Y`X`ni Zc`[Y``YVhYb`]a \Rightarrow b] &\$&(`Yhk U`+&, "--\$`A YbgW\Yb`j cb`; fi bXg]W\Yfi b[`]a '5`hYfž`k Ug Y]bYb`5bgh]Y[`j cb'' +"\$\$\$`]a `JYf[`Y]W\`ni a `Jcf^U\f`XUfghY``h" GY]h`&\$%) `]gh`X]Y`NU\``XYf`; fi bXg]W\Yfi b[gYa dZ\hb[Yf`i a '' - DfcnYbh`[Ygh]Y[Yb"\8]Y`5fa i hg[YZ\h\fXi b[gei chY`VY]`GYb]cfYb `U[`]a `\J\f`&\$&' `VY]`%, \Z%`DfcnYbh\Zh cVY]`: fUi Yb`a]h`&\$\Z\hat{Z}\hat{

 $\label{eq:continuous_continuous$

FYZcfa VYXUfZ']b XYf'FYbhYbdc`]h]_

8]Y'I fgUWXYb'ZØf'5`hYfgUfa i h'g]bX'j]Y`ZÀ`h]['i bX'fY]WXYb'j cb i bhYfVfcWXYbYb'9fk YfVgV]c[fUZ]Yb'ØVYf'b]YXf][Y'@Ò\bY'V]g'\]b ni 'XYb'XYa c[fUZ]gWXYb'< YfUi gZcfXYfi b[Yb"'9I dYfhYb'ZcfXYfb i a ZUggYbXY'FYZcfa Ybž'XUfi bhYf'Y]bY'gc`]XUf]gWXY'A]bXYghfYbhY j cb'%"&) \$'9i fc'gck]Y'X]Y'I a k UbX`i b['XYf'[YgYhn`]WXYb FYbhYbj Yfg]WXYfi b[']b'Y]bY'6Øf[Yfj Yfg]WXYfi b['a]h A]bXYghfYbhYbY`Ya YbhYb"'8]Y'Bchk YbX][_Y]h'gc`WXYf JYfÀbXYfi b[Yb'k]fX'Xi fWX'X]Y'HUhgUWXY'i bhYfghf]WXYbž'XUgg'ZUgh 'ž&'A]``]cbYb'GYb]cfYb']b'8Yi hgWX`UbX'j cb'5fa i h'VYhfcZZYb'g]bX i bX'A]``]cbYb'j cb'FYbhbYfb'Ui Z'FYZcfa Yb'\cZZYbž'i a ']\fY

7\f]ghcd\'6]Ya Ubb'V`Y]Vh'Y]b'Gma Vc``ZØf'j]Y`Yž'X]Y']b'Y]bYf À\b`]W\Yb'G]hi Uh]cb'`YVYb"'GY]bY'Y\f`]W\Yb'K cfhY'ØVYf ; Y`Xgcf[Yb'YfÒZZbYb'Y]bYb'K]W\h][Yb'8]g_i fg'ØVYf'5`hYfgUfa i h']b 8Yi hgW\`UbXž'XUg'b]W\h'bi f'Y]bY'dYfgÒb`]W\Y'5b[Y`Y[Yb\Y]h']ghž gcbXYfb'Y]bY'[YgUa h[YgY``gW\UZh`]W\Y'<YfUi gZcfXYfi b[ž'X]Y

| 8 YhU]`g | |
|-----------|--|
| JcfZU`` | 5fVY]hga Uf_h |
| I fgUWX Y | XYac[fUZ]gWXY'9bhk]W_`ib[Ybž'b]YXf][Y |
| | @O\bYžibhYfVfcWXYbY`9fkYfVgV]c[fUZ]Ybž |
| | ghY][YbXY`@YVYbgYfkUfhib[|
| Cfh | 8YihgWX`UbX |
| EiY``Yb | • k k k "hn"XY |
| | kkk"ZcW"g"XY |
| | k k k "Vi Yf[Yf![Y`X"cf[|

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'b!U["bYh