## 

: `cf]XU'GhUhY'E 6'H\ca Ug'7UghY``Ubcg'gh]fg'XYVUhY'U\YUX'cZ h\Y'5i ['' \$'[Ua Y'U[U]bgh'5`UVUa Už'][b]h]b['f]j U`fm Wca a Ybhg"



8 c U\_ '7 Ua d V Y`` 'GhUX]i a ž'HU``U\ UggY Y ž': @ž'I G5 !! 5g'h\ Y Ubh]W]d Uh]cb 'Vi ]`Xg'Zcf'h\ Y'i d Wca ]b[ 'Wc``Y[ Y'ZcchV U`` 'gY Ugcbž: `cf]XU'GhUhY 'ei UfhY fV UW\_'H\ ca Ug'7 UghY``Ubcg']g'a U\_]b[ 'k Uj Ygk]h\ '\]g'Vc`X'fYa Uf\_g'UVci h'5`UVUa U"'8i f]b[ 'Ub']bhYfj ]Yk 'k]h\ Cb' g'DY hY'B U\_cgž'7 UghY``Ubcg'g\ UfYX'\]g'YI W]hYa Ybh'UVci h'h\ Ya UhW\ i dž'gW\ YXi `YX'Zcf'5i [ i gh'' \$'Uh'\&.' \$'d"a "'7 H'Uh'\8 cU\_7Ua dVY``GhUX]i a "'H\ Y'[ Ua Y'bch'cb`m'a Uf\_g'5`UVUa U g'Z]fgh j ]g]h'hc'h\]g'j Ybi Y'Vi h'U`gc'gY hg'h\ Y'ghU[ Y'Zcf'k\ Uh'\Ci `X'VYa Ya cfUV`Y'\WUg\ Yg']b'\Wc``Y[ Y'ZcchVU``\]ghcfm"

7 UghY``Ubcg`Yl dfYggYX`\]g`YU[YfbYgg`hc`ZUWY`gi W\`U`ghcf]YX dfc[fUa ž`WU]a]b[ž'=\Uj Y`U`k Umg`ghUfhYX`ZUgh`]b`[Ua Ygž `UbXg\Uf]b[`XfYUa g`cZ'a ca Ybhg``]\_Y`h\]g"'=bhYfYgh]b[`mž`\Y`UXXYX`U

Wca dYh]h]j Y'hk ]gh '5`UVUa U' XcYgb h'\Uj Y'B]W\_'GUVUb'hc'gUj Y h\Ya " 'H\]g'Wca a Ybh'\Ug'bch'[cbY'i bbch]WYX'UbX'gYYa g'gYh'hc `][\h'U'Z]fY'i bXYf'Vch\'hYUa gž'dUfh]W' `Uf`m'5`UVUa U g'XYZYbgY"

## 5`UVUa U g'FYgdcbgY

5h'G97'A YX]U'8 Umg']b'5h'UbhUž'5`UVUa U'`]bYVUW\_Yf'8 YcbhUY @Uk gcb'fYgdcbXYX'\YUX!cb'hc'7 UghY``Ubcg 'ghUhYa Ybhg''<Y bchYX'h\Uh'gi W\'Wca a Ybhg' ][ b]hY 'h\Y]f'hYUa g'gd]f]h'Vi h Ya d\Ug]nYX'h\Uh'dfYdUfUh]cb'g\ci `X'fYa U]b'h\Y]f'df]cf]hm'' @Uk gcb'WYUf`m'k UfbYXž' 5```X]gfYgdYWh'k ]``'VY'UXXfYggYX UVWcfX]b[ `m'' 'H\]g'gYbh]a Ybh'k Ug'YW\cYX'Vm'XYZYbg]j Y'`]bYa Ub H]a '?YYbUbž'k \c']bg]ghYX'h\Uh' X]gfYgdYWh'k ]``'VY'UXXfYggYXž\][\`][\h]b[ 'h\Y'Wca dYh]h]j Y'XmbUa ]Wg'Uh'd`Um'Ug'Vch\'hYUa g dfYdUfY'Zcf'h\Y'g\ck Xck b"

 $\label{thm:cgd-yfy} $$H\g^TfYa\Uf_g^Yb\WUdgi\`UhY'h\Y'Y`Y\Whf]$Zm]b[\ 'Uha\cgd\YfY\gi\ffci\bX]b[\ 'h\]g^WUg\'''7\UghY``Ubcgž'k\c'dfYj\]ci\g`m'd`UmYX'hk\c gYUgcbg^Uh'6cghcb'7c``Y[\ Y'UbX'ghUfhYX'\]g'Wc``Y[\ Y'WUfYYf'Uh'I \ 7: ž\]g'Xf]j\ Yb'Vm'U'i\ b]ei\ Y'WcUWX]b[\ ']bZi\ YbWY'k\]h\';\ i\ g'A\ U`nU\b'Ug : `cf]XU'GhUhY\ g'cZZYbg]j\ Y'WccfX]bUhcf'''H\]g'UXXg'Ubch\Yf'`UmYf'cZ ]bhf][\ i\ Y'hc'h\Y'i\ dWca\ ]b[\ 'WcbhYgh''$ 

## 5 F]j U`fm'7cbhYlh

K\]`Y`h\Y`]a a YX]UhY`ZcW g`]g`cb`h\]g`i dWca ]b[`[Ua Yž`]h g]a dcfhUbh`hc`Wcbg]XYf`h\Y`VfcUXYf`WcbhYI h`cZ'f]j U`f]Yg`k ]h\]b Wc``Y[Y`ZcchVU``ž'dUfh]W``Uf`m`k ]h\]b`h\Y`Gci h\YUghYfb`7cbZYfYbWVfG97E"5'd]YWV`Vm`H\Y`5h\`Yh]W\][\`][\hg`h\Y`]bhYbgY`Wca dYh]h]cb Ua cb[`G97`hYUa gž'bch]b[`h\Y`dfca ]bYbh`f]j U`f]Yg``]\_Y`5`UVUa UUbX`; Ycf[`]Už'k\]W\`\Uj Y`h\Y]f`ck b`\]ghcf]WU``g][b]Z]WUbWY"`H\YgYa UhW\idg`g\UdY`h\Y`bUffUh]j Y`cZ`Wc``Y[Y`ZcchVU``ž'cZhYbYghUV`]g\]b[`VYbW\a Uf\_g`Zcf`hYUa g`fYgdcbX]b[`hc`Wca dYh]h]j Yf]j U`f]Yg"

H\ci [\'7 UghY``Ubcg`UbX`5`UVUa U`ZUWY`cZZž'h\YfY`UfY`YW\cYg`cZ h\YgY`]bhYbgY`f]j U`f]Yg`UWfcgg`h\Y``YU[iY"5`UVUa Ug`\]ghcfm`k]h\hYUa g``]\_Y`HYbbYggYY`UbX`5i Vi fb`f]j U`g`h\Y`dUgg]cb`gYYb`]b

 $: `cf] X U `GhUhY g `Y U [ Yf `Ubh] W] d Uh] cb `cZ'h \ Y `i d Wca ] b [ `[ Ua Yž'k \ ] W \\ a Um'k Y ```gYh'h \ Y `ghU [ Y `Zcf'a cfY `Z] Yfm'Y | W \ Ub [ Yg'] b `h \ Y `Zi hi fY"$ 

8 YhU]`g	
Cfh	8 cU_'7 Ua dVY``'GhUX]i a ž'HU``U\UggYYž': @ž
	I G5
EiY``Yb	<ul><li>kkk"bYkgVfYU_"Wca</li></ul>
	• k k k "U`"Wca
	• k k k "bmh]a Yg"Wca

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