

EDST6957

7\Ya]ghm#6]c`c[miA Yh\cX'&

HYfa &Z&\$&&



7ci fgY`Cj Yfj]Yk

GHJZ`7cbHJW`8YHJ]`g

7cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]m	@cW]h]cb	D\cbV]`]m

5W_bck`YX[Ya YbhcZ7ci blfm

I B GK `5fngž8Yg][b`UbX`5fWk]fYWhi fY? Ybg]b[hcb`UbX`DUXX]b[hcb`Wla di gYg`UfY`Vi]hcb`5Vcf][]bU`
@UbXg"K Y`dUmci f`fYgdYWhg`hc`hY`6]X^][U`UbX`; UX][U`dYcd`Yg`k`c`UfY`hY`7i`gfcX]Ubg`cZ`hY`gY`UbXg"
K Y`UW_bck`YX[Y`hY`5Vcf][]bU`UbX`Hc`fYg`G`fU]h`g`UbXYf`dYcd`Ygž`hY`;]fgh5i`gfcU`]Ubgžk`cY`UbXgž
k]bXg`UbX`k`U`fYg`k`Y`U`bck`g`UfYž`UbX`dUm`fYgdYWhi`hc`hY]f`i`b]ei`Y`j`U`i`Ygž`UbX`hY]f`W`b`h`bi]b[`UbX
YbXi`f]b[`W`h`fYg`k`\\]W`XYYdYb`UbX`Yb]W`hY`Z`cZci`f`bU`h`cb`UbX`W`a`a`i`b]h`Yg`"

7ci fgY'8YHJ]`g

I b]hg'icZ7fYX]h*`

K cf_`cUX

%) \$` \ci fg]bWl X]b[`WUgg`WcbhUWl\ci fgžfYUX]b[gžWUgg`dfYdUfU]cbžUggYgga YbhžZc`ck`i d`UW]j]hYgž YHw

Gi a a UfmicZ`hY'7ci fgY

Yž ž R Yj ScZU T` fcdVž;ež ž RgRZRS]V è S` è f`UVcRUF Rē R_U a` dēXcRUF Rē def UV_ēž YV T` fcdV T` _ēV_ē UV]žVg R_U RddVd^ V_ēh ž] SV žUV_ēZ] WcS` è Xc` fad` Wēf UV_ēž

h`h]g`Wci fgYžmci`k]`YUfb`\ck`hc`hYUW`7\Ya]gfm#6]c`c[mUhUb`UXj UbW`X`Yj Y`]b`gYWcbXUfmWcbhY]hg` Mci`k]`i gY`fY`Yj Ubhgm`UVi`g`XcW`a`Ybhg`hc`XYj`Y`cd`]bbcj`Uhj`Y`UbX`Yb[U[]b[`Yggcb`d`Ubg`UbX` W`ff]W`i`a`d`Ubg`"Mci`k]`YUfb`UbX`dfUW]gY`U`fUb[Y`cZ`hY`UW]b[`ghfU]h[]Yg`h`Uha`U]`ja`]gY`h`Y`YUfb]b[dc]h]bh]U`cZU`hmdYg`cZ`YUfbYfg]b`U`gUZ`žgi`ddcf]h] Yž`UbX`\][\`mYb[U[YX`WUggfcca`Ybj`]fcb`a`Ybh`Mci`k]`XYg][b`Zcf`UbX`]a`d`Ya`Ybh]hYUW]b[`ghfU]h[]Yg`h`U]b]Wēf`dc`fU]h`X][]hU`UbX`c`h`Y`f]bbcj`Uhj`Y`ghfU]h[]Yg` Mci`k]`U`gc`YUfb`UVci`hU`fUb[Y`cZ`UggYgga`Ybh`UbX`ZYXVUW`ghfU]h[]Yg`]b`h`Y`X]g]Wd`]bYžk`]h`U`ZcW`g`cb`UggYgga`Ybh]b`h`Y`gYb]cf`gYWcbXUfm]gWcc`"

7ci fgY`@YUfb]b[`Ci hWca Yg

%` ⇒XYbh]zmYggYbh]U`Y`Ya`Ybhg`icZ`hY`BGK`7\Ya]gfmGHU[Y`*`Gm`UVi`g`UbX`BGK`6]c`c[mGHU[Y`*` Gm`UVi`gž`UbX`ghfU]h[]Yg`hc`gi`ddcf]h]h`XYbhg`Ug`h`Ym]fUbg]h]cb`VYh`YYb`ghU[Yg` &` I`gY`ghfcb[]_bck`YX[Y`cZgi`V`Y`W`h`WcbhY`bh`hc`d`Ub`UbX`Yj`U`i`U]h`Wcb`Y`fY`b]ž[cU`!`cf]YbhY`X`UbX` WX`U`Yb[]b[`Yggcbgž`Yggcb`gYei`YbW`g`UbX`hYUW]b[`dfc[fUa`g`k`\]X`k]`Y`Yb[U[Y`U`gh] XYbhg` ' `GYhUW]Yj`UV`Y`YUfb]b[`ci`hWca`Yg`hc`a`U`h`W`WcbhY`b]ž`hYUW]b[`ghfU]h[]Ygž`fYgci`fW`g`UbX`X]ZY`fYbh` hmdYg`cZ`UggYgga`Ybhž`f`U`i`b]hc`Zk`cf_]b`7\Ya]gfm]cf`6]c`c[m` ("`Dfcj`]XY`WY`Uf`X]fY`W]cbg`hc`cf[Ub]gY`UbX`gi`ddcf]hd`fYd`UfYX`UW]j]h]Yg`UbX`i`gY`fYgci`fW`g`)`5ggYgg`UbX`fYdc`f]cb`gh`XYbh`YUfb]b[]b`7\Ya]gfm`UbX`6]c`c[m]h`U`_Ym]gh`U`Y`c`XY`fg` *` ⇒XYbh]zm]h`Y`WX`UfUW]f]gh]Wg`cZ`Ub`Y`ZY`W]j`Y`7\Ya]gfm`UbX`6]c`c[m]h`UW]Y`f`UbX`h`Y`g`h`UbX`UfXg`cZ` dfcZYgg]cbU`dfUW]W`]b`hYUW]b[ž`YgdYW]U`m]h`Y`U]h]f]Vi`h`g`cZ;`fUXi`U]h`hYUW]Yfg`

5i ghfU`]Ub`DfcZYgg]cbU`GHU`bXUfXg`Zcf`HYUW]Yfg

GHU`bXUfX		5ggYgga`Ybh]g
%`%`%`	8Ya`cbghfU]h`_bck`YX[Y`UbX`i`bXYfgh]UbX]b[`cZd`mg]W]ž`gcW]U`ž`UbX`]bh`Y`W]U`XYj`Y`cda`Ybh`UbX`WX`UfUW]f]gh]Wg`cZ`gh]XYbhg`UbX`\ck`h`Y`gY`a`Um]UZY`W]h`YUfb]b[†
%`&`%`	8Ya`cbghfU]h`_bck`YX[Y`UbX`i`bXYfgh]UbX]b[`cZ`fY`gY`UfW]`]b]hc`\ck`gh]XYbhg`YUfb`UbX`h`Y`]a`d`]W]h]cbg`Zcf`hYUW]b[†
%`"``%`	8Ya`cbghfU]h`_bck`YX[Y`cZ`hY`UW]b[`ghfU]h[]Yg`h`U]h`UfY`fYgdc]bg]Y`hc`h`Y`YUfb]b[`ghfYb[h]g`UbX`b`Y`Y`Xg`cZ`gh]XYbhg`Z`fca`X]j`YfgY`]b[i]gh]Wgž`W`h`fU`ž`fY`][]ci`gž`UbX`gcW]cY`Wcbca`]W]UW_]fci`bXg`	%`ž`&
%`)``%`	8Ya`cbghfU]h`_bck`YX[Y`UbX`i`bXYfgh]UbX]b[`cZ`ghfU]h[]Yg`Zcf`X]ZY`fYbh]U]h]b[`hYUW]b[`hc`a`Y`h`h`Y`gdY`W]Z`W`YUfb]b[`b`Y`Y`Xg`cZ`gh]XYbhg`UW]fcgg`h`Y`ž`f`Ufb[Y`cZ`UV]`]h]Yg`	%`ž`&

		&Z*	†
--	--	-----	---

† 7 cj YfYX'Xi f]b['hY'Wci fgY

HYUWX]b['GhfUH[]Yg'

F Uh]cbU'Y'Zcf'hY']bWi'g]cb'cZW'bhYbh'UbX'hYUWX]b['UddfcUWX

@YWi fYgžh hcf]U'g'UbX'Ugg][ba Ybhg'k]''Wz] Yf'U'j Uf]YhmcZUddfcUWX Yg'hc'hYUWX]b[ž'YUfb]b['UbX
UggYgg]b[]b'hY'7\Ya]ghf'6]c'c[mWUggfcca "'9a d\Ug]g'k]''VY'd'UWX'cb'hY'fY'Uh]cbg\]d'VYh'YYb'hY
bUhi fY'UbX'dfUWX]W'cZGW]YbW'ž'hY'fc'Y'UbX'j'U'i'Y'cZgW]YbW']b'gcW]YhmiUbX'gW]YbW'dYXU[c[m'5
dUfh]W'Uf'ZcW'g'k]''VY'cb'ghfUH[]Yg'hUhW]b'dfca ch'gh'XYbhYb[U[Ya YbhUbX'UWX]Y] Ya Ybhk]h
7\Ya]ghfmiUbX'6]c'c[m'

Gh XYbh'W'bhfYX'UW]j]h]Yg'k]''Zcfa 'hY'VUg]g'cZ'hY'Wci fgY''H\YgY'UW]j]h]Yg'k]''Xfuk 'cb'hY'df]cf

5ggYgga Ybh

fi Vf]WZcf`YUW`UggYgga Ybh`

5XX]h]cbU`XYHJ]g

HUg_` .`7ca a cb`5ggYgga YbhA cXi `Y

GdYWZjW7 f]hYf]U	f]k ————— 2fZk				
<ul style="list-style-type: none"> • 8Ya cbghfUHyg'i bXYfghUbx]b['cZhY'BGK 'E i U']miHYUWk]b[ZUa Yk cf_žhY'GWcc`9I W`YbW': fUa Yk cf_ UbX'B9G5 5ggYgga Ybhi; i]XY']bYg 					
<p>: Ua]]Uf]mkk]h' UbX'fY'Yj UbW'cZdfcZYgg]cbU' UbX#f'fYgYUfWk]hYfUhi fY'i gYX'hc'gi ddcfhfYgdcbgY</p> <ul style="list-style-type: none"> • 8Ya cbghfUHyg'i bXYfghUbx]b['cZhY'bYYX'hc'X]ZYfYbh]UHy 'Yggcbg'hc'W'hYf'Zcf'X]j YfgY''YUfbYfg']bWi X]b['5Vcf][]bU'UbX HcffYg'GhfU]h-g'UbXYf'UbX'95#@8'ghi XYbhg • I bXYfghUbx]g'YZZYW]j Y'UggYgga YbhidfUW]W]g • 8Ya cbghfUHyg'i bXYfghUbx]b['cZhY'bYYX'hc'X]ZYfYbh]UHy 'Yggcbg'hc'W'hYf'Zcf'X]j YfgY''YUfbYfg']bWi X]b['5Vcf][]bU'UbX HcffYg'GhfU]h-g'UbXYf'UbX'95#@8'ghi XYbhg • I bXYfghUbx]g'YZZYW]j Y'UggYgga YbhidfUW]W]g 					
<p>Ghfi Wfi fY'UbX'cf[Ub]gU]cb'cZfYgdcbgY</p> <ul style="list-style-type: none"> • Cf[Ub]gYg'UbX'ghfi Wfi fYg'gVcdY'UbX'gYei YbW'UWwcfX]b['hc B9G5 '[i]XY']bYg'UbX'fYei]fYa Ybhg 					

GdYWZjW7 f]hYf]U

fl ————— 2fZł

; YbYfU`Wta a YbYf#YWta a YbXU]cbg`Zcf`bYI h]a Y.

F Wta a YbXYX.

#&\$`fl @`DG`7F`8B`<8ł

K Y][\h]b[.

(\$i

B 6. H\Y`h]W_g`]b`h\Y`j`Uf]ci`g`Vcl`Yg`UFY`XYg][`bYX`hc`dfcj`]XY`ZYXVUW`hc`ghi`XYb]g/h\YmUFY`bch[`]j`Yb`
Yei`U`k`Y][` \h]b`XYhYfa`]b]b[`h\Y`fYWta`a`YbXYX`[`fUXY`"8YdYbX]b[`cb`h\Y`bUhi`fY`cZ`h\Y`UggYgga`Yb]hUg_ž`
YWfi`fYfg`a`UmU`gc`WcbhYI`h`U`]gY`UbX`#`cf`Ua`YbX`h\YgY`gdYWZjW7f]hYf]U`H\Y`fYWta`a`YbXYX`[`fUXY`]g`
hYb]h]j`Y`cb`mž`gi`V`YWfi`hc`ghU`bXUfX]gU]h]cb`dfcW`ggYg`UbX`Uddfcj`U`Vm`h\Y`GVX`cc`cZ9Xi`W]h]cb`@YUfb]b[`
UbX`HYUWX]b[`7ca`a`]hYY"

GdYWZjW7 f]hYf]U

11fł ————— 2fłł

XYHJ]`k]h.ci hdfcj]X]b[`Z ``d`Ubg

GdYWZjW7 f]hYf]U

fl ————— 2fZł

; YbYfU`Wta a YbYf#YWta a YbXU]cbg`Zcf`bYI h]a Y.`

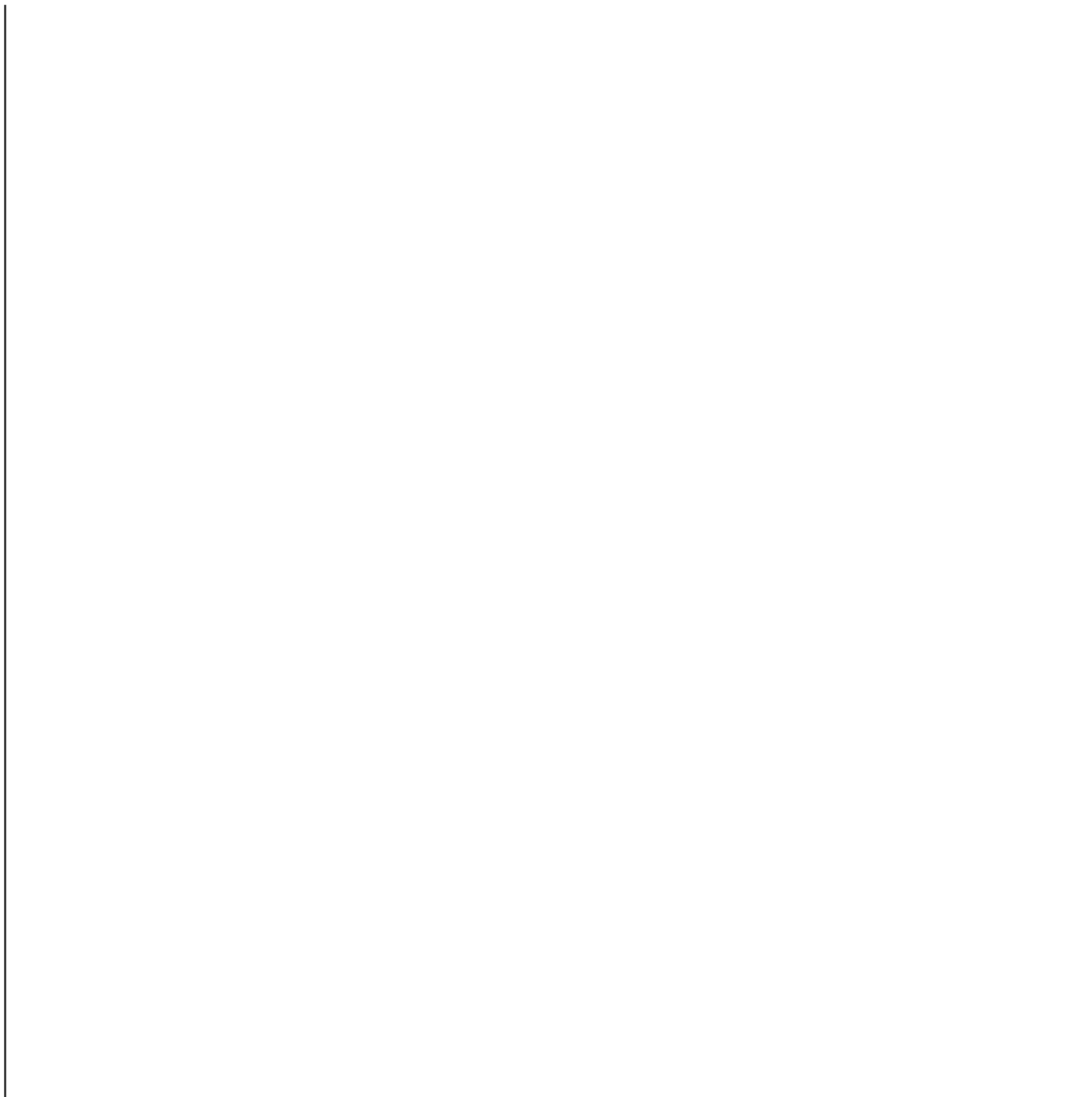
FYWta a YbXYX.

#&\$fl @DG`7F`8B`<8ł

K Y][\h]b[.

* \$i

B6. H\Y`h]W_g]b`h\Y`j Uf]ci g`Vcl Yg`UFY`XYg][bYX`rc`dfcj]XY`ZYXVUW`hc`ghi XYb]g/h\YmUFY`bch[]j Yb
Yei U`k Y][\h]b`XYhYfa]b]b[`h\Y`fYWta a YbXYX`[fUXY`"8YdYbX]b[`cb`h\Y`bUhi fY`cZh\Y`UggYgga YbhfUg_ž
`YWfi fYfg`a UmU`gc`WcbhYI h U`]gY`UbX#cf`Ua YbX`h\YgY`gdYWZjW7f]hYf]U" H\Y`fYWta a YbXYX`[fUXY`]g
hYb]h]j Y`cb`mž`gi V`YWfi`hc`ghUbXUfX]gU]hcb`dfcW`ggYg`UbX`Uddfcj U`Vm`h\Y`GVXcc`cZ9Xi W]h]cb`@YUfb]b[
UbX`HYUWX]b[`7ca a]hYY"



Gi Va]gg]cb 'cZ5ggYgga YbhiHUg_g

Hi fb]h]b 'Gi Va]gg]cb

≠mci 'YbWci bHYf'U'dfcV'Ya 'k \Yb'UH'Ya dh]b['hc'gi Va]hmc i f'Ugg][ba YbhiH'fci [\ 'Hi fb]h]bž'd'YUgY
HY'Yd\cbY'9I HYfbU'Gi ddcfh'cb'-' ,) " ' ' %cf'Ya U] 'H'Ya 'cb'YI HYfbU'HY'hgi ddcfh4 i bgk "YXi "Ui "'Gi ddcfh
\ci fg'UfY' , .\$Ua '—%\$. \$\$da 'cb'k YY_XUmg'UbX'-. .\$Ua '—) . \$\$da 'cb'k YY_YbXg'f1 *) 'XUmg'U'm'UfL" ≠mci
UfY'i bUV'Y'hc'gi Va]hmc i f'Ugg][ba YbhiXi Y'hc'U'Zi 'hk]H'Hi fb]h]b'mci 'a UmiUdd'm'Z'f'Ub'YI HYbg]cbž'Vi hmc i

5 WUXYa]W< cbYgmiUbX'D`U[]Uf]ga

D`U[]Uf]ga]g`i g]b[`hY`k cfXg`cf]XYUg`cZcH.Yfg`UbX`dFYgYbh]b[`hYa `Ug`mci f`ck b" #WU]b`hU`Y`a Ubm
Zcfa gZ`Zca `XY`]VYfUH`WXYUH]b[`hc`UW]XYbhU`mWcdm]b[`Zca `U`gci fW`k]h`ci hUW`bck `YX[Ya Ybh`

I BGK ` [fci dg`d`U[]Uf]ga `]bhc`hY`Zc`ck]b[`WU]h[cf]Yg.

7cdm]b[.`I`g]b[`hY`gUa Y`cf]j Yfmg]a]Uf`k cfXg`hc`hY`cf][]bU`hYI hcf]XYU`k]h`ci hUW`bck `YX[]b[`hY`
gci fW`cf`i g]b[`ei chU]cb`a Uf`g`H`g]bW`i XYg`Wcdm]b[`a U]Yf]U`gZ]XYUg`cf`WcbW`dHg`Zca `U`Vcc`Z`Ufh]WY`Z`
fYdcfhcf`chYf`k f]hYb`XcW`a Yb]Z`dFYgYbhU]cbZ`Wca`dgc]h]cbZ`Ufh`cf`Z`XYg][bZ`XfUk]b[Z`W]fW]hfmZ`Wca`di hYf`
dfc[fUa `cf`gcZk UfY`Zk YVg]hY`Z]b]hYfbYhZ`chYf`Y`YVW`fcb]WfYgci fW`Z`cf`UbchYf`dYfgcb]Ug]g][ba Ybhk]h`ci h`
Uddfcd]U]h`UW`bck `YX[Ya Ybh`

#Uddfcd]U]h`dUfUd`fUg]b[.`7`U]b[]b[`U`Zk`k cfXg`UbX`d`fUgYg`k`Y`a cghmifYU]b]b[`hY`cf][]bU`
]bZcfa U]cbZ`gh`i W`i fY`UbX`#cf`dfc[fYgg]cb`cZ]XYUg`cZ`hY`cf][]bU`k]h`ci hUW`bck `YX[Ya Ybh`H`g]U`gc`
Udd`]Yg`]b`dFYgYbhU]cbg`k`YfY`gca YcbY`dUfUd`fUgYg`UbchYf`g]XYUg`cf`k cfXg`k]h`ci hW]YX]hU]bX`hc`
d]YW]b[`hc[YhYf`ei chYg`UbX`dUfUd`fUgYg`]bhc`U`bYk`k`c`Y`Zk]h`ci hUddfcd]U]h`fYZYfYbW]b["

7c`i`g]cb.`K`cf_]b[`k]h`chYfg`Vi`hdUgg]b[`cZ`hY`k`cf`_`Ug`U`dYfgcb`g`]bX]j]Xi`U`k`cf`_`7c`i`g]cb`U`gc`
]bW`i XYg`dfcj]X]b[`mci`f`k`cf`_`hc`UbchYf`gh`XYbhZcf`hY`di`fdcgY`cZ`hYa`d`U[]Uf]g]b[Z`dUm]b[`UbchYf`
dYfgcb`hc`dYfZcfa `Ub`UWUXYa]W]Ug`Z`gh`U`]b[`cf`UW`ei]f]b[`UbchYf`dYfgcb`g`UWUXYa]Wk`cf`_`UbX`Wcdm]b[

5 WUXYa]WbZcfa Uh]cb

8i Y`tc`Yj`c`j`]b[`UXj`]W`VmiB`GK` `<YU`h`z`gh`XYbh`g`a`i`gh`WXYW`Zc`f`i`dXU`h`X`]bZc`fa`Uh]cb`fY[`UfX]b[`cb`]bY`YUfb]b[`Zc`f`U`5`fng`z`8`Yg][`b`UbX`5`fW`X]h`W`h`fY`W`e`i`fgY`g`h`g`h`f`a`f`j`]U`A`ccX`Y`c`f`W`e`i`fgY`]bZc`fa`Uh]cb`dfcj`]XYX`Ł

: cf`YggYbh]U`gh`XYbh]bZc`fa`Uh]cb`fY`Uh]b[`tc.

- fYei`Yg`tg`Zc`f`YI`h`bg]cb/
- `UH`gi`Va`]gg]cbg`[`i`]XY`]bYg/
- fYj`]Yk`c`Za`Uf_g/
- I`B`GK` `<YU`h`UbX`GUZ`h`m`d`c`]W`Y`g/
- YI`Ua`]bUh]cb`dfc`W`X`i`fYg/
- gdY`W`U`W`e`bg]XYf`Uh]cb`]b`h`Y`Y`j`Ybh`c`Z`]`b`Y`gg`c`f`a`]g`U`X`j`Y`bh`fY/
- gh`XYbh`Yei`]m`UbX`X]g`U`V`]m/
- UbX`c`h`Y`f`Y`gg`Y`bh]U`U`W`X`Y`a`]W]bZc`fa`Uh]cb`z`g`Y`Y

\h`d`g`#`k`k`k`"i`bgk`"Y`Xi`"Ui`#`U`f`g`!`X`Y`g][`b`!`U`f`W`X]h`W`h`fY`#`gh`XYbh`]Z`#`Y`g`c`i`f`W`g`!`g`i`d`d`c`f`h`#`d`f`c`h`W`e`g`!`[`i`]XY`]bYg`.

⇒ U[Y`7`fYX]h

GmbYf[]Yg`]b`Gci`bX`&\$%*`

7F ⇒ CG

7F ⇒ CG`Dfcj`]XYf`7`cXY`.\$\$\$`-` ;