



ARTS4100

F YgYUfVX 'A Yh\cXg'UbX'H\Yg]g'K f]h]b[

GYa YghYf'C bY''##'&\$%



GWcc``cZHAY'5ftg'UbX'A YX]U''##'I BGK ``5ftg'UbX'GcW]U``GWYbWg

7 ci fgY`Cj Yfj JYk

`GHUZZ7cbhUWhi8YHUJ`g`

`7cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj]m	@WWhcb	D\cbY
7\fg`C U_Ym	WcU_Ym# i bgk "YXi "Ui	6mUddc]bha Ybh	H65	

GWXcc`7cbhUWhi#Zcfa Uhjcb

Fcca " %&Z`Yj Y"" `F cVYfhK YVghYf`6i]X]b[

D\cbY: f\$&L- ' ,) `(,) *

9a Uj: [gUa 4 i bgk "YXi "Ui](#)

K YVg]hY: [\hfdg.#gUa "Ufng"i bgk "YXi "Ui](#)

H\Y`GWXcc`cZHY`5fng`UbX`A`YX]U`k`ci`X`[_Y`hc`F`YgdYWZ`m5W_bck`YX[Y`hY`HfUX]hcbU`7i`gfcX]Ubgz`hY`6YXY[U`fP`Ybg]b[`hc`b`WLa`di`gŁz`UX][U`f7]mUbX`5fh/`8Yg][b`7Ua`di`gYgU`bX`hY`B[i`bbUk`U`dYcd`Y`f5i`ghfU]Ub`8YZrbVW`c`fW`5WUXYa`m]b`7UbVYffUŁcZHY`UbXg`k`YFY`YUWX`WLa`di`g`cZI`BGK`]g`c`WWhYX"

5hYbXUbW`F`Yei`]fYa`Ybhg

5`gh`XYbh]g`Yi`dYWYX`hc`UhhYbX`U`WUgg`W`bhUWh\ci`fg`Zcf`U`ZUW!hc!ZUW`fl`&`Łcf`V`YbXYX`WŁi`fgY`UbX`WŁa`d`Yh`U`UWWhj`]hYg`Zcf`U`V`YbXYX`cf`Z`mcb]bY`WŁi`fgY"

5`gh`XYbhk`c`Uffj`Yg`a`cfY`h`Ub`%`a`]bi`hYg`Uhh`a`UmVY`dYbU`]gYX`Zcf`bcb!UhhYbXUbW`Zgi`WŁ`U`dYbU`hm`]g`ja`dcgYXZ`hY`gh`XYbhia`i`ghVY`]b`Zcfa`YX`j`YfVU`m`Uh`hY`YbX`c`ZWUgg`UbX`UXj`]gYX`]b`k`f]h]b[`k`]h]b`&(`\ci`fg"

ZU`gh`XYbhYi`dYf]YbWg`]`bYggza`]gUXj`Ybh`fY`cf`chYf`cWV`ffYbW`h`Uha`U`Yg`UVgYbW`Zca`U`WUgg#UWWhj`]mi`bUj`c]XUV`Yzcf`Yi`dYWg`hc`VY`UVgYbhZca`U`Zcf`h`WŁa`]b[`WUgg#UWWhj`]mz`h`Ymg\ci`X`gYY`dYfa`]gg]cb`Zca`hY`7`ci`fgY`5i`h`cf]mz`UbX`k`YFY`Udd`]WUV`Yz`hY]f`fYei`Yghg\ci`X`VY`UWŁa`dUb]YX`VmUb`cf][`]bU`cf`W`fh]YX`WŁdmcZU`a`YX]W`W`fh]ZUWh`cf`chYf`Zcfa`cZUddfcdf]Uhh`Yj`]XYbW"

5`7`ci`fgY`5i`h`cf]ma`UmYi`W`gY`U`gh`XYbhZca`WUggYg`cf`UWWhj`]hYg`Zcf`i`d`hc`cbY`a`cbh`<`ck`Yj`Yfz`hYm`a`UmUgg][`b`UXX]hcbU`UbX`#f`U`hYfbUh]`Y`hUg_g`hc`Ybgi`fY`WŁa`d`]UbW`5`7`ci`fgY`5i`h`cf]mWŁbg]XYf]b[`hY`[`fUbh]b[`cZUVgYbW`a`i`ghVY`gUhgZ]YX`U`gh`XYbhk`]`gh`VY`UV`Y`hc`a`YYh`hY`WŁi`fgY`g`YUfb]b[`ci`h`WŁa`Yg`UbX`#f`j`ci`a`Y`cZ`YUfb]b[`5`gh`XYbhgYY_]b[`Uddfcj`U`hc`VY`UVgYbhZca`cfY`h`Ub`cbY`a`cbh`a`i`ghUdd`m`]b`k`f]h]b[`hc`hY`8YUb`UbX`dfcj`XY`U`cf][`]bU`cf`W`fh]YX`gi`ddcf]b[`XcW`a`YbHh]cb"

:`cf`a`cfY`]b`Zcfa`Uhcb`UVci`h`hY`UhhYbXUbW`dfch`WŁg`]b`hY`UW`hmcZ5fng`UbX`GcV]U`GWYbWg: [\hfdg.#k`k`k`"Ufng"i`bgk`"YXi`"Ui`#W`ffYbhghi`XYbhg#UWUXYa`\]W\]b`Zcfa`Uhcb`#fch`WŁ`gl`\[i`\]XY`\]bYg#](#)

5WUXYa]W#Zcfa Uhjcb`

7 ci fgY'8YHJ]`g

7 fYX]hDc]bHg`*`

Gi a a UfmicZ\Y'7 ci fgY

H\]g' < cbc i fg! Yj Y`gYa]bUf'Wci fgY]g'XYg][bYX'hc]bffcXi W'gh XYbHg'hc '\][\Yf! Yj Y`UWUXYa]WfYgYUfWk
UbX'k f]h]b[]b'h\Y'X]gWd']bYg'cZ9b[]g\z:]a žA YX]UžA i g]VžH\YUfYž8 UbW'UbX'DYfZcfa UbW'Gh X]Yg""h
k]`YI hYbX'h\Y'fYgYUfWk'UbX'UbU'mg]g'g_]`g'XYj Y'cdYX']b'h\Y'Z]fghh'fY'nyUfg'cZ\Y'XY[fY'hc'gi ddcfhh\Y
dfYdUfU]cb'UbX'Wca d'Yh]cb'cZgh XYbHgf]Z]fgha U'cf'd]YW'cZ]bXYdYbXYbh'fYgYUfWk'-'h\Y' < cbc i fg'h\Yg]g
UbX'ž'f'dfcXi W]cb'dfc'YW' h k]`]bffcXi W'gh XYbHg'hc'W'fY]ggi Yg]b'UbX'UddfcUWkYg'hc'fYgYUfWk'k \]Wk
k]`Y'd'h\Ya'W'bgc'X]Uf'UbX'YI hYbX'h\Y'f'i bXYfgh]bX]b['cZ\Y]f'W'cgYb'X]gWd']bY'UbX'cZ\Y'd'UW'cZ
h\Y]f'fYgYUfWk'k]h]b']h' H\Y'Wci fgY]g'cf[Ub]gYX'Ufci bX'U'ghfi W'h fYX'gYa]bUf'gYf]YgžVY[]bb]b['k]h'U
W'bg]XYfU]cb'cZ\Y'bUhi fY'cZ]gWd']bUfmi'fYgYUfWk']b'h\Y' < i a Ub]h]Yg'UbX'a cj]b['cb'hc'W'bg]XYf'h\Y
[YbfY'cZ\Y' < cbc i fg'h\Yg]gžUbX'hc'XYj Y'cd]b['U'f YgYUfWk' D'Ub'UbX'h\Yg]g'UbX'ž'f'dfc'YW'h]a YhUV'Y"

5 h\Y'W'cbWi`g]cb'cZ\Y]g'W'ci fgY'h\Y'gh XYbhk]`VY'UV'Y'hc

- % k cf_]bXYdYbXYbhmi'hc'XYj Y'cd'U'Wca d'YI'fYgYUfWk'dfc'YW'
- &" UbU'mgY W]h]W'm'h\Y'ghfi W'h fYžUf[i a Yb]h]cb'UbX'ei U']hmcZU'h\Yg]g'UbX'ž'f'dfUW]W'dfc'YW'ž'UbX
]XYbh]Zm'h\Y'a Y'h'cX'c'c[]W'UddfcUWkYg'Ya d'cm'X/
- ' " Yb[U[Y'k]h'dY'fYgYUfWk'W']h]W'm'UbX']b'h\Y'gd]f]hcZ]bh'Y'W'h U'cdYbbYgg
UbX'[YbYfcg]m'
- (" dfYgYbhUb'ci h]bY'cZgdYW]WfYgYUfWk'ei Ygh]cbg'XYj Y'cd]b['ci hcZ\Y]f'fYgYUfWk'ž'UbX']XYbh]Zm
fYgYUfWk'a Y'h'cX'g'gi]hUV'Y'Z'f'h\Y]f'dfc'YW'
-)" XYj Y'cd'U'Zcfa U'fYgYUfWk'dfc'c'gU'Z'f'h\Y]f' < cbc i fg'h\Yg]g'UbX'ž'f'dfc'YW'

HYUWk]b['GhfU]h[]Yg'

H\Y'W'ci fgY'k]`VY'h]i [\h'h'fci [\U'h'k c!\ci f'gYa]bUf'YUWk'k YY_"8]gWd']bY!gdYU_Yfg'a UmVY]bj]h'X'hc
W'cb]f]Vi h']b'gYj YfU'cZ\Y'k YY_g""Gh XYbHg'k]`dfYgYbhcbY'UgdYW'hcZ\Y]f'ck b'fYgYUfWk'f'a U'cf
< cbc i fg'dfc'YW'U'U'gma d'cg]i a' U'h'h\Y'YbX'cZgYa Ygh'f"

H\Y'UddfcUWk'hc'hYUWk]b[]g']bZcfa YX'Vmid]bWd'Yg'cZ]bh'fUW]j]mž'gh XYbhU[YbW'h]UbX'h\Y'd'YUgi fY'cZ
gWk'c'Uf'm_bck'YX[Y'UbX'YUf]b[""C i f'U]a]g'hc'Z]W]h]h'k Umg'Z'f'gh XYbHg'hc'UW'W'gg'UbX'Z'cgh'f'U'fUb[Y
cZdfcXi W]j Y'dcgg]V]h]Yg'Zcfa'h\Y'X]gWd']bUfmi'UgYg'cZ\Y]f'gh X'm'H\]g'UV]]m k]`VY'Ub'cb[c]b[
fYgci fW']b'gh XYbHg'dfc'Z'gg]cbU'UbX'dYfgcbU''j Ygž'W'cb]bi]b['VY'm'cbX'h\Y'ja a YX]Uf'W'cb]h'hcZUbm
cbY'W'ci fgY'cf'dfc[fUa "

5ggYgga Ybh

3 ^fZWSeeW_e_ W fe i [^TWV[eUgeeW [VWS[^ USee i ZWkag i [^S^ea TWegbb^W i [fZ_ Sd] [Y UdfWd[S S` V Y[hW f_ Wfa Se] cgWef[a` eZKag i [^ZShWfZWabbdg` [fk fa bdWfW f S eZad fZW[e Udf[cgWfa kagdUa ^WSYgW_e S` V fZWdWi [^TWf_ W^ad [V[h[VgS^Ua` eg^Sf[a` e dW^SdV [Y fZWDW_eW^SdJZ BcbaeS`

5ggYgga YbhHUg_g`

5ggYgga YbhHUg_	K Y][\h	8i Y`8UH`	Gh XYbh@YUfb]b[Ci hW_ea Yg`5ggYggYX
H\Yg]g`W]hei Y`	&)	' \$#\$' #&\$% '\$) .\$\$`DA	&Z
: cfa U`fYgYUfW`dfcdcgU`) \$	&+#\$ (#&\$% '\$) .\$\$`DA	%z(z)
F YgYUfW`dfYgYbhU]cb`	&)	H68	%z z(z)

5ggYgga Ybh8YHU]`g

5ggYgga Ybh%`H\Yg]g`W]hei Y`

GHUfhXUH`.

@Yb[h. % \$ \$`k cfXg

Včbhf]Vi h' hc 'hY'X]gWd']bY3' < ck 'YZZ'Wij Y'mXcYg'hY'Ui h'cf'UfhjW 'UHY'hY]f'Včbhf]Vi h'cb'hc'hY X]gWd']bY3'5fY'hYfY'Ubm]XYbh]Z]UV'Y' [Udg'cf'↑ a dg]b'hY'Uf[i a Ybh3
Y" E i U']micZk f]h]b[' -]g'hY'k f]h]b['WYUf'UbX'Uddfcdf]UHY'Zcf']hg'UWUXYa]Wdi fdcgY3' < ck 'g_]'Z 'm XcYg'hY'Ui h'cf'Včbhf]i Vh'hY]f'Uf[i a Ybh3'8cYg'hY'k f]h]b['X]gd'UmUb'Yb[U[]b['UbX'cf][]bU' 'j c]W'3'g'hYfY'Ub']XYbh]Z]UV'Y' bUffUfh] Y'hUhf] bg'h'fci [\ 'hY'hYg]g3'g'hY'fYZfYbW]b['dfcdYf UbX'UWV fUHY'3'8cYg'hY'hYg]g'a YYhUWUXYa]WghUbxUfXg'fY[UfX]b['Uddfcdf]UHY UW_bck 'YX[Ya YbhicZgci fW'g3

Gi Va]gg]cb' bchYg.bi ``

Hi fb]h]b'gYh]b[. 'H\]g'Ugg][ba Ybh]g'gi Va]hY'X'h'fci [\ 'Hi fb]h]b'UbX'gh XYbhg'WUb'gYY'Hi fb]h]b'g]a]'Uf]hm fYdcfng"

5ggYgga Ybh&. : cfa U'fYgYUfW' dfcdcgU`

GHUfhXUH. :

@Yb[h. ') \$\$'k cfXg

8YHU]`g. ') \$\$'k cfXg"; fUXY'UbX'k f]h]b'Wča a Ybhg'dfcj]YX"

5XX]h]cbU'XYHU]`g.

Mci f'fYgYUfW' dfcdcgU`a i ghWčj Yf'hY'Z'čck]b['fk Y'k]'X]gW gg'hY'gi [[YghY'Yb[h'g'Zcf'YUW' dUfh Xi f]b['WUggč

- U" HYbHUh] Y'h]hY. 'h]g'g'łci 'X'fYZYVh'hY'dfYW]gY'fYgYUfW'ei Ygh]cb'mci]bhYbX'hc']bj Ygh[UHY'cf Yl d'cfY]b'mci f'hYg]g"
- V" F U]h]cbU'Y. k \UhuFY'mci 'gYY_]b['hc'fYgYUfW'Zcf'k \UhdV'Ya g'Xc'mci]bhYbX'hc'UXXfYgg']b'mci f'hYg]g3'K \m]g'hY'hc'd]WcZ]bhYfYgh'hc'mci ž'UbX'k \mXc'mci 'h]b_'h]g'fYgYUfW']g'bYVW'ggUfm3' < ck XcYg'hY'UHY'hc'Yl]gh]b[ž'cb![c]b['XYVUH'g']b'mci f'X]gWd']bY#Z]Y'X3'f7 fYUfh] Y' DfUW]VW'#dfcXi W]cb gh XYbhg. XYgW]VY]b'XYHU]'hY'dfc'YVh'mci 'UfY' [c]b['hc' i bXYfU_Y'UbX'\ck]h'fY'UHY'g'hc'mci f'fYgYUfW'ei Ygh]cbg"č
- W @]hYfUhi fY'fY]Yk. 'h]g'k]'Z'čfa 'hY'a U'č'f'dUfhicZ'hY'fYgYUfW' dfcdcgU'ž'UbX'k]'YghU']g'V'čh'hY VfcUX'UWUXYa]WVčb]h] hcZ'mci f'fYgYUfW'hc'd]WUbX']hg'UWUXYa]WfU]h]cbU'Y" #ik]'dfcj]XY'U gi W]bVh'UbX'W]h]W'Yj U'i U]h]cb'cZfY'Yj Ubh']hYfUhi fY'UbX']hg'VYUf]b['cb'mci f'hc'd]VčXYa cbghfUHY mci f'i bXYfghUbx]b[]Z'hY'UfYU'cZ'mci f'fYgYUfW'hc'd]VčUbX'čW]hY' [Udg]b'hY'Yl]gh]b[']hYfUhi fY h'Uhu'gh]Z]Yg'mci f'hc'd]W
- X" A Yh'cXc'c[m'k \UhuUddfcUW'k]'mci 'i gY'hc'UXXfYgg'mci f'hc'd]Vč'Z'mci f'fYgYUfW']bj'c] Yg'XUhuž k \Uha Yh'cXg'k]'mci 'i gY'hc'Vč'YVh'UbX'UbU'mgY'XUHU3'K \UhuVčbW'dhi U'ž'a Yh'cXc'c[]W]č'f gVkc'Uf'mUddfcUW' \Uj'Y'mci 'VčcgYb'hc'Vč'a d'Yh']mci f'W]ffmci h'mci f'UbU'mg]g'cf'dfcXi W]cb3
- Y" HYbHUh] Y'VčUdh'f'ci h]bY. k \UhuFY'mci f'VčUdh'f'gYV]cb'h]hYgž'UbX'\ck 'Xc'hYmfY'UHY'hc'hY'hc'd]W UbX'mci f'fYgYUfW'ei Ygh]cbg3'Ci h]bY'\ck 'hY'mXY]Y'cd'hY'Uf[i a YbhicZ'mci f'hYg]g"
- Z H]a Y]bY. 'ci h]bY'mci f'h]a Y]bY'Zcf'VčbXi W]b['mci f'fYgYUfW' UbX'k f]h]b['UbX'fYXfUZ]b['mci f'VčUdh'fg'f7 fYUfh] Y' DfUW]VW'#dfcXi W]cb'gh XYbhg. dfcj]XY'XYHU]`g'cZ'mci f'dfcXi W]cb'h]a Y]bY'Zcf hY'Vč'a d'Yh]cb'UbX'Yl \]h]cb'cZ'mci f' < cbc] fg'dfc'YVč'Ug'k Y'Ug'hY'h]a Y]bY'Zcf'hY'k f]h]b['UbX'fYXfUZ]b['cZ'mci f'hYg]g" D'YUgY' dfcj]XY'U']ghicZ'hYVčb]W]fYei]fYa Ybhg'Zcf'mci f'dfc'YVh'UbX'hY fYgci fW'g'mci 'k]'bYXX'hc'g'łck #dYfZ'čfa 'hY'dfc'YVč'č
- [" F YZfYbW'g. dfcj]XY'U']ghicZfYfYbW'g'fY'Yj Ubh'hc'h]g'Ugg][ba Ybhž'UbX'Ub']bX]W]h] Y V]V']c[fUd'łmicZ'čhYf'gci fW'g'h'Uhmci]bhYbX'hc' i gY']b'mci f'hYg]g"

Gi Va]gg]cb'bcHŸg.bi ``

Hi fb]h]b'gYH]b[. H\]g'Ugg][ba Ybh]g'gi Va]HŸX'h'fci [\ 'Hi fb]h]b'UbX'ghi XYbhg'Xc'bcHgYY'Hi fb]h]b
g]a]Uf]mfYdcfrg"

5ggYgga Ybh' . F YgYUfW\ 'dfYgYbH]h]cb

GhUfhXUHŸ .

@Yb[h. ')!%\$'a]bg

8YH]g. '5`gc' _bck b'Ug'G5A 'Gma dcg]i a ""!)%\$'a]bg" 'H\]g']g'hŸY'Z]bU'UggYgga Ybh]h]g_"; fUXY'UbX
k f]h]b'W'ca a Ybh]g'dfcj]XYX"

5XX]h]cbU'XYH]g.

Mci f'fYgYUfW\ 'dfYgYbH]h]cb'k]``VY') 'hc'%'\$'a]bi hŸg]b'Xi fU]h]cbž'UbX'k]``dfcj]XY'U'gi a a UfmcZmci f
fYgYUfW\ 'dfcdcgU'žW'ej Yf]b['hŸY'fYgYUfW\ 'hc'd]WUbX'fU]h]cbU'Y'ž']hŸfU]h] fY'fYj]Yk ž'UbX'a YhŸcXc'c[m'`#k]
VY'dfYgYbH]h]X']b'hŸY'Zc'fa UhcZUb'UWUXYa]Ww'cbZ'fYbW' dUdYfž'UbX'a Ya VYfg'cZ'hŸY'GW'cc'UbX': UW'hm
k]``VY']bj]hŸX'hc'k UHŸ"

HŸY'Gma dcg]i a žcZk \]W\ 'mci f'fYgYbH]h]cb'k]``VY'U'dUfž'k]``h]_Y'd'UW'cj Yf'hk c'XUmg" 'Mci f
UHŸY'bXUbW'cb'Vch'XUmg']g'a UbXUhc'fm'Yb[U[]b['k]h' 'mci f'W'YU[i Yg'k cf_]b'h]g'Zc'fa Uh]g'Vch'U
a UHŸY'f'cZW'Y[]U']m]UbX'dfcZ'gg]cbU']ga ""

HŸY'a Uf_]b['W]hŸf]U'Zc'f'h]g'UggYgga Ybhk]``VY'X]gh]Vi hŸX']b'WUgg"

Gi Va]gg]cb'bcHŸg.bi ``

Gi Va]gg]cb'cZ5ggYgga YbhHUg_g

Gh XYbng'UFY'YI dYWVX'hc'di hHAY'f'buA Yg'UbX'ghi XYbhbi a VYfg'cb'Yj YfmdU[Y'cZHY]f'Ugg][ba Ybng"

Hi fb]hb'Gi Va]gg]cb

Zmci 'YbWci bHY'U'dfcV'Ya 'k \Yb'UHYa dh]b['hc'gi Va]hrci f'Ugg][ba YbhHfci [\ 'Hi fb]hbzd'YUgY
HY'Yd\cbY'9I HYfbU'Gi ddcfhcb'-' ,) "' ' ' %cf'Ya U]'HYa 'cb'[YI HYfbU'HY'fji 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'mYUfL'Zmci
UFY'i bUVY'hc'gi Va]hrci f'Ugg][ba YbhXi Y'hc'U'ZU' 'hk]H'Hi fb]hb'mci 'a UmiUdd'mZcf'Ub'YI HYbg]cbZ'Vi hrci
a i ghfYU]b'mci f'h]W_Yhbi a VYfZ'ca '9I HYfbU'Gi ddcfhfU'cb['k]H'UbmchYf'fY'Yj UbhXcW a Ybng'hc
]bWi XY'Ug'Yj]XYbW'hc'gi ddcfhrci f'YI HYbg]cb'Udd'jW]hcb"Zmci 'Ya U]'9I HYfbU'Gi ddcfhrci 'k]'
Ui 'ca Uh]W'mfYW'j Y'U'h]W_Yhbi a VYfZ'Vi h]Zmci 'HY'Yd\cbY'mci 'k]'b'YX'hc'gdYW]W'mUg_Zcf'cbY"
Hi fb]hb'U'gc'dfcj]XYgi dXUH'g'cb'HY]f'gmghYa 'ghU'g'cb'Hk]HYf"

; YbYfU'mZ'UggYgga YbhHUg_g'a i ghVY'gi Va]HYX'Y'YWfcb]W'mj]U'Y]H'Yf'Hi fb]hb'cf'U'A ccX'Y
Ugg][ba YbH'eb]bghUbW'g'k \YfY'h]g'g' bchdcgg]V'YZ'hk]'VY'g'UH'X'cb'mci f'Wci fgY'g'A ccX'Y'g]HY'k]H
U'HYfbU]j Y'gi Va]gg]cb'XYU]g"

@UH'5ggYgga YbhDYbU'h]Yg

5b'UggYggYX'fUg_'jg'XYYa YX'UH'Z]h]g'gi Va]HYX'UZ'Yf'HY'gdYW]YX'hja Y'UbX'XUH'Ug'gYhci h]b'HY
Wci fgY '@YUfb]b['A UbU[Ya YbhGmghYa 'f@A G'L"

H\Y'UH'dYbU'm]g'HY'cgg'cZ) i 'cZHY'hcU'dcgg]V'Ya Uf_g'Zcf'HY'fUg_'Zcf'YUW'XUmcfdUfhHYfYcZHY
k cf_'jg'UH'@UH'bYgg'k]'j]bWi XY'k YY_YbXg'UbX'di V]W\c'XUmg" H\j'XcYg'bchUdd'mhc'U'fUg_'hUh]g
UggYggYX'Vi hbc'a Uf_'jg'Uk UfXYX"

K cf_'gi Va]HYX'Zci fHYb'f%L'XUmg'UZ'Yf'HY'Xi Y'XUH'k]'VY'a Uf_YX'UbX'Z'YXVUW'dfcj]XYX'Vi hbc'a Uf_
k]'VY'fYW'fXYX"ZHY'k cf_'k ci 'X'\Uj Y'fYW'j YX'U'dUgg'a Uf_'Vi hZcf'HY'UH'bYgg'UbX'HY'k cf_'jg'U
Wca di 'gcfmWci fgY'Wca dcbYbH'U'ghi XYbhk]'VY'XYYa YX'hc'\Uj Y'a YhH'UhfYei]fYa YbH'H\j'XcYg'bch
Udd'mhc'U'fUg_'hUh]g'UggYggYX'Vi hbc'a Uf_'jg'Uk UfXYX"

K cf_'gi Va]HYX'k YbhmcbY'f&%L'XUmg'UZ'Yf'HY'Xi Y'XUH'k]'bchVY'UW'WdhX'Zcf'a Uf_]b['cf'Z'YXVUW_
UbX'k]'fYW'j Y'bc'a Uf_'cf[fUXY"ZHY'UggYgga YbhHUg_g'U'Wca di 'gcfmWca dcbYbhcZHY'Wci fgY'U
gh XYbhk]'Ui 'ca Uh]W'mZU]'HY'Wci fgY"

GdYW]U'7cbg]XYfU]cb'5dd'jW]h]cbg

Mci 'Wb'Udd'mZcf'gdYW]U'Wcbg]XYfU]cb'k \Yb'j'bYgg'cf'chYf'W]FW a ghUbW'g'j]bHYfZYf'k]H'mci f
UggYgga YbhdYfZ'ca UbW"

G]W_bYggza]gUXj Ybhi fY'cf'chYf'W]FW a ghUbW'g'VYncbX'mci f'Wcb'fca'Um

f'DfYj Ybhrci 'Zca 'Wca d'Yh]b['U'Wci fgY'fYei]fYa YbH'

f'?YYd'mci 'Zca 'UH'bX]b['Ub'UggYggUV'Y'UW]j]mZ

f'Ghd'mci 'gi Va]hb['UggYggUV'Y'k cf_'Zcf'U'Wci fgYz

f`G][b]Z]W]b]h]m]U]Z]Y]W]h]m]c]i] f]d]Y]f]Z]c]f]a] U]b]W]W]]b]U]g]g]Y]g]g]U]V]`Y]`k] c]f]_]Z]V]Y]`]h]U]`Z]c]f]a] U]`Y]b]X]!]c]Z]g]Y]a] Y]g]h]f]`Y]I] U]a]]b]U]h]c]b]Z]U] W]U]g]g]`h]Y]g]h]Z]U]`U]V]c]f]U]h]c]f]m]h]Y]g]h]Z]U]`g]Y]a]]b]U]f]d]f]Y]g]Y]b]h]U]h]c]b]`c]f]U]b]m]c]h]Y]f]Z]c]f]a] `c]Z]U]g]g]Y]g]g]a] Y]b]h]

: c]f]Z] f]h]Y]f]X]Y]h]U]`g]`]b]`f]Y]`U]h]c]b]`h]c]`G]d]Y]W]U]`7]c]b]g]X]Y]f]U]h]c]b]`]b]W]i] X]b] [`]K] \]Y]b]`h]c]`5]d]d]`m]Z]`<]c]k] `h]c]`5]d]d]`m]`U]b]X] `]G]i] d]d]c]f]h]b] [`]8]c]W] a] Y]b]h]U]h]c]b]`d]`Y]U]g]Y]`f]Y]Z]f]`h]c]`h]Y]`G]d]Y]W]U]`7]c]b]g]X]Y]f]U]h]c]b]`k] Y]V]g]h]Y]`.

[\\]h\]c\]g.\]#\]g\]h\] X\]Y\]b\]h\]i\] b\]g\]k\] "Y\]X\]i\] "U\]i\] #\]g\]d\]Y\]W\]U\]`!\]W\]c\]b\]g\]X\]Y\]f\]U\]h\]c\]b\]](#)

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

D`U[]Uf]ga]g`i g]b['hY`k cfXg`cf]XYUg`cZchYfg`UbX`dfYgYbh]b['hYa`Ug`mci f`ck b" #WUb`hU`Y`a Ubm
Zcfa gž Zca`XY`]VYfUHy`WXYU]b['hc`UWV]XYbU`mW`dm]b[Zca`U`gci fW`k]hCi hUW_bck`YX[Ya`Ybh`

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

7cdm]b[.`i`g]b['hY`gUa`Y`cf`j`Yfmg]a`]Uf`k`cfXg`hc`hY`cf][]bU`hY`hcf`]XYU`k`]hCi hUW_bck`YX[]b['hY`
gci fW`cf`i`g]b[`ei`chU]cb`a`Uf`g`"H`]g`U`gc`Udd`]Yg`hc`]a`U[Ygž`Ufh`UbX`XYg][`b`dfc`YWgž`Ug`k`Y`"Ug`
dfYgYbhU]cbg`k`YfY`gca`YcbY`dfYgYbhg`Ubc`h`Y`f`g`]XYUg`cf`k`cfXg`k`]hCi hWYX]h`

#Uddfcdf]UHy`dUfUd`fUg]b[.`W`Ub[]b[`U`Zy`k`cfXg`UbX`d`fUgYg`k`Y`a`cghm`fYU]b]b['hY`cf][]bU`
g]h`i`W`fY`UbX`]bZcfa`U]cb`k`]hCi hUW_bck`YX[Ya`Ybh`"H`]g`U`gc`Udd`]Yg`]b`dfYgYbhU]cbg`k`YfY`gca`YcbY`
dUfUd`fUgYg`Ubc`h`Y`f`g`]XYUg`cf`k`cfXg`k`]hCi hWYX]h` #U`gc`Udd`]Yg`hc`d`]YW]b[`hc`[Yh`Yf`ei`chYg`UbX`
dUfUd`fUgYg`]bhc`U`bYk`k`c`Yž`k`]hCi hfY`ZYfYbW]b[`UbX`U`gh`XYbh`g`ck`b`UbU`mg]g`hc`Vf]b['hY`a`UHy`f]U`
hc`[Yh`Yf`"

7c`i`g]cb.`k`cf_]b[`k`]h`chYfg`Vi`hdUgg]b[`cZ`h`Y`k`cf_]Ug`U`dYfgcb`g`]bX]j`Xi`U`k`cf_]7c`i`g]cb`U`gc`
]bWi`XYg`dfcj`X]b[`mci`f`k`cf_]hc`Ubc`h`Yf`gh`XYbhVY`Zc`fY`h`Y`Xi`Y`XUHy`ž`cf`Zc`f`h`Y`di`fdcgY`cZ`h`Ya`
d`U[]Uf]g]b[`Uh`Ubmi]a`Yž`dUm]b[`Ubc`h`Yf`dYfgcb`hc`dYfZcfa`Ub`UWUXYa`]WUg`ž`gh`U`]b[`cf`UW`ei`]f]b[
Ubc`h`Yf`dYfgcb`g`UWUXYa`]Wk`cf_]UbX`W`dm]b[`]ž`c`ZYf]b[`hc`W`ca`d`YHy`Ubc`h`Yf`dYfgcb`g`k`cf_]cf`gYY_]b[
dUma`YbhZc`f`W`ca`d`Y]b[`UWUXYa`]Wk`cf_]`

#Uddfcdf]UHy`W]U]cb.`7`]h]b[`gci`fW`g`k`Y`W`Uj`Y`bchVYYb`fYUXž`k`]hCi hUW_bck`YX[]b['hY`"gYW`bXUfm`
gci fW`Zca`k`Y`W`_bck`YX[Y`cZ`h`Ya`U`g`VYYb`cVU]bYX`"

8i`d`]WU]cb`ffgY`Zd`U[]Uf]ga`"E`gi`Va`]h]b[`mci`f`ck`b`k`cf_]b`k`c`Y`cf`]b`dUfž`k`YfY`]h`Ug`dfYj`]ci`g`m`
VYYb`dfYdUfYX`cf`gi`Va`]hY`X`Zc`f`Ubc`h`Yf`UggY`gga`Ybhcf`W`ei`fgY`Uhi`BGK`cf`Ubc`h`Yf`i`b]j`Yfg]h`"

7c`ffY`W`fY`ZYfYbW]b[`dfUW]W]g.

- VYhYf'a UbU[Y'mci f'hja Y

		l ad] eZab, ebWS] [Y fa S` SgV[W UWž
K YY_`%\$. `+`A Um!`% A Um	GYa]bUf	E W_ [` Sd 4daSUZ [` Y fZWxgfgdWž l ad] eZab, i ZSf SdWfZW] Wk UZScSUfWd]ef[Ue aXS YaaV fZW]e1

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

3`k eWf dMSV[`Ye i [^TWV[efdTgfW [U`See S` V VY[fS`k h[S W_ S[2

F YWca a YbXYX`F Ygci fWg

BchiUj U]UV`Y

7ci fgY`9j U`i Uh]cb`UbX`8Yj Y`cda Ybh

DYf]cX]W`mghi XYbhYj U`i Uh] Y`ZYXVUW`cb`Wci fgYg`]g[UH`YfYXzi g]b[`Ua cb[`ch`Yf`a YUbgzI BGK `g
7ci fgY`UbX`HYUW]b[`9j U`i Uh]cb`UbX`a dfcj Ya Ybhf7 5H9 4" Mci f`ZYXVUW`]g`YI hfYa Y`m]a dcf]UbhUbX
]g`hU`Yb`gYf]ci g`nz`UbX`Wcb]bi U`]a dfcj Ya Ybhg`UfY`a UXY`tc`h`Y`Wci fgY`VUgYX`]b`dUfhcb`gi W`ZYXVUW`"
Mci `k`]"`U`gc`Uj Y`h`Y`cddcfh b]m]tc`dfcj]XY`]bZcfa U`ZYXVUW`Xi f]b[`h`Y`WUgg"

a U[Y`7 fYX]h

6cX]Yg/`bhfZUWg`&\$%*

7F 7CG

7F 7CG`Dfcj]XYf`7cXY.`\$\$\$- , ;