

F Yb]`F]W\ hYf`ni f`bYi Yb`6Yn]f_g`Y]hYf]b`]b
@Ui g]hn`[Yk Å\`h`!`≐ 679`B Yk g

F Yb]`F]W\ hYf`k i fXY`ni f`bYi Yb`6Yn]f_g`Y]hYf]b`XYg`≐ 679!
6Yn]f_g`@Ui g]hn`UV`XYa`%"`A Åfn'&\$&(`[Yk Å\`h`'9fZU\ fYb`G]Y
a`Y\`f`ØVYf`]\fY`5fVY]hi bX`]\fY`D`ÅbY`ZØf`X]Y`@Ui g]hn`
?cbhU_hXUhYb`i bX`k Y]hYfY`≐Zcfa Uh]cbYb`Z]bXYb`G]Y`]\Yf`

8Yf`6Yn]f_`@Ui g]hn`\Uh`UV`XYa`%"`A Åfn'&\$&(`Y]bY`bYi Y
6Yn]f_g`Y]hYf]b`"F Yb]`F]W\ hYf`k i fXY`j ca`6Yn]f_gj`c fghUbX`ni f
bYi Yb`:`fUi`Ub`XYf`Gd]hnY`[Yk Å\`h`G]Y`hf]hh`X]Y`B UWX`Zc`[Y`j`cb`i`hY
@]YVgW\`Ubž`X]Y`bUWX`nY\b`>\fYb`U`g`6Yn]f_g`Y]hYf]b`i bX
J`c f g]hnYbXY`XYg`6Yn]f_gj`c fghUbXYg`]b`XYb`Fi`YghUbX`[Y`h`

F Yb]`F]W\ hYf`z`Y]bY`[YVØfh][Y`6fUbXYbVi`f[Yf]bž`]gh`gY]h`nk`Ö`Z
>\fYb`U`g`; Yk Yf_gW\UZhgY_fYhÅf]b`VY]`XYf`≐ 679`hÅh]["B UWX
j`YfgW\]YXYbYb`GhUh]cbYb`]b`XYf`C`f[Ub]gUh]cb`Vf]b[h`g]Y`g]W\
VYfY]hg`gY]h`&\$&&`a`]h`]\fYf`5fVY]h`a`6Yn]f_`@Ui g]hn`Y]b`"G]Y
VYhc`b`hž`XUgg`g]Y`Ub[Yhf`Y`hYb`]ghž`i`a`XYf`G]h`a`a`Y`XYf`≐ 679!
A]h[`]YXYf`; Y\`Øf`ni`j`YfgW\UZZYb`i bX`ZØf`g]Y`DYfgdY_h]j`Yb`ni
[YghU`hYbž`XU`X]Y`@Ui g]hn`j`c`f`VYgcbXYfYb`<`YfUi`gZc`fXYfi`b[Yb
ghY`h`

8]Y`≐ 679`]gh`c`d`h]a`]gh]gW\ž`XUgg`a`]h`XYf`bYi Yb`6Yn]f_g`Y]hYf]b`X]Y
YfZc`[fY]W\Y`5fVY]h`XYg`6Yn]f_Yg`Zc`fh[YgYhnh`k`YfXYb`_`Ubb`"8]Y
@Ui g]hn`]gh`Y]bY`9bYf[]YfY[]cb`i bX`gc`"Ui`W\`]b`Ni`_i`bZh`Y]bY
gc`W\Y`V`Y]VYb`"F Yb]`F]W\ hYf`k`]fX`U`g`X]Y`f]W\h][Y`DYfgcb
Ub[YgY`Ybž`i`a`X]Y`Hf`UbgZc`fa`Uh]cb`[Ya`Y]bgUa`a`]h`XYb`≐ 679!
A]h[`]YXYfb`i bX`DUf`hbYfb`YfZc`[fY]W\`ni`[YghU`hYbž`gc`GhY`d`U`b]Y
5`V`fY`W\h!`Gi`]\U`ž`@UbXYgVYn]f_g`Y]hYf]b`B`c`f`X`c`gh`

8]Y`≐ 679`@Ui g]hn`]gh`XYf`5bgd`fY`W\`d`Uf`hb`Yf`ZØf
; Yk Yf_gW\UZhgUfVY]h`]b`XYf`F`Y[]cb`"8]Y`?cbhU_hXUhYb`g]bX`k`]Y

Zc`[h

`F Yb]`F]W hYfž`6Yn]f_g`Y]hYf]b
`GhfU» Y`XYf`đ [YbX`%` !%(ž`\$` \$(*`7c hVi g
`HY`YZcb. ž (- ``)) ` , `\$(`*\$
`9!A U]`. `VYn]f_`"Ui g]m4][VW"XY
`K YVgY]hY.` ÷ 679`6Yn]f_`@Ui g]hn

8]Y` ðXi ghf]Y[Yk Yf_gW UZh ÷ 679`j Yfhf]hh]a `@UbXYgVYn]f_
BcfXcghfi bX` , "\$\$\$`A]h[`]YXYf" `8Yf`@UbXYgVYn]f_`BcfXcgh
i a ZUgghX]Y`6i bXYg`AbXYf`6Yf`]bž`6fUbXYbVi f[ž`A YW`YbVi f[!
Jcf dca a Yfbž`GUW`gYb`i bX`GUW`gYb!5b`U`h" `8]Y` ÷ 679`]gh`]b
X]YgYf`FY[]cb`ni gh`AbX][`Z0f`Yhk U`%(, "\$\$\$`6YgW`ÀZh][hY`]b`a Y`f
U`g`+ * \$`YfZUgghYb`6Yhf]YVYb"

8]YgYf`K YW`gY`Ub`XYf`Gd]hnY`XYf` ÷ 679`@Ui g]hn` \Uh
a Ò[`]W`Yfk Y]gY`5i gk]f_i b[Yb`Ui ZX]Y` ; Yk Yf_gW UZhgUFVY]hi bX
X]Y` ðhYfYggYbj YfhfYhi b[`XYf`6YgW`ÀZh][hYb`]b`XYf`@Ui g]hn" `8]Y
@Ui g]hn`]gh`Y]bY`k]W`h][Y`9bYf[]YfY[]cbž`X]Y`j cb`XYb`i a Vf0W`Yb
]a `9bYf[]YgY`hcf`VYhfc`ZYb`]gh" `F Yb]`F]W hYf`k]fX`bi b`Y]bY
GW`0ggY`fc`Y`VY]`XYf` ; YghU`hi b[`XYf`HfUbgZcfa Uh]cb`XYf`@Ui g]hn
Y]b`bY`a Yb" `ÀfY`Ub[`À`f][Y`9fZU`fi b[`U`g
; Yk Yf_gW UZhggY`fYh`Àf]b`i bX`]\f`9b[U[Ya Ybh]b`XYf
Cf[Ub]gUh]cb`k YfXYb`j cb`YbhgW`Y]XYbXYf`6YXYi hi b[`gY]b"

<]ghcf]gW` [YgY`Yb` \UVYb`XYf`6Yf[VUi`i bX`X]Y
9bYf[]YdfcXi`_h]cb`Y]bY`k]W`h][Y`F`c`Y`]b`XYf`@Ui g]hn[Ygd]Y`h" `8]Y
FY[]cb`k Uf`VY`Ub`bh`Z0f`]\fY`6fUi b_c`Y]cf`ca a Yb`i bX`X]Y
XUa`]hj YfVi bXYbYb` ðXi ghf]Yb" ` ðXYb`Y`hYb` \ÀfYb` \Uh`g]W
`YXcW`XYf` : c_i g`Ui Z`YfbYi YfVUfY`9bYf[]Yb`i bX`X]Y`F`YXi`n]Yfi b[
XYf`7C`&!`9a`]gg]cbYb`j YfgW`cVYb" `8]YgYf`K UbXY` \Uh`ni` [fc» Yb
< YfUi gZcfXYfi b[Yb`Z0f`X]Y`FY[]cb` [YZ0`fhž`XU`j]Y`Y`5fVY]hgd`ÀhnY
]a`hfUX]h]cbY`Yb`9bYf[]YgY`hcf`j Yf`c`fYb` [Y[Ub[Yb`g]bX" `9]bY
ghUf`Y` ; Yk Yf_gW UZhgj YfhfYhi b[ž`k]Y`X]Y` ÷ 679ž`]gh
YbhgW`Y]XYbXž`i a`X]Y` ðhYfYggYb`XYf`5fVY]hbY`a Yf`]b`X]YgYa
HfUbgZcfa Uh]cbgd`fc`nYgg`ni`j YfhfYhYb"

8]Y`Zc`[YbXY`HUVY`Y` []Vh`Y]bYb` , VYfV`]W`0VYf`X]Y` ÷ 679!
A]h[`]YXYf`i bX`X]Y`5bnU` \XYf`YfZUgghYb`6Yhf]YVY`]b`XYb

6i bXYg`ÀbXYfb`XYg`@UbXYgVYn]f_g`BcfXcgh

p6i bXYg`UbX`p5bnU\`XYf`A]h[`]YXYf`p5bnU\`YfZUgghYf`6Yhf]YVY`p
p p p p
p6Yf`b`pH68`pH68`p
p6fUbXYbVi f[`pH68`pH68`p
pA YW`YbVi f[!J cfdca a Yfb`pH68`pH68`p
pGUW`gYb`pH68`pH68`p
pGUW`gYb!5b\U`h`pH68`pH68`p

9g`k]fX`XYi h]W`ž`XUgg`X]Y`≐ 679`Y]bY`VYXYi hYbXY` ; Yk Yf_gW`UZh
]ghž`X]Y`Y]bY` [fc»Y`5bnU\`j cb`5fVY]hbY\`a Yfb`]b`XYf`FY []cb
j Yfhf]h"

8]YgYf`K YW`gY`Ub`XYf`Gd]hnY`XYf`≐ 679`@Ui g]hn`a Uf_]Yfh`Y]bYb
bYi Yb`5VgW`b]h`ZØf`X]Y` ; Yk Yf_gW`UZhgUfVY]hi bX`X]Y`≐hYfYggYb
XYf`5fVY]hbY\`a Yf`]b`XYf`FY []cb" `F Yb]`F]W`hYf`k]fX`]\fY`9fZU\`fi b[
i bX`]\f`9b[U[Ya Ybh`Y]bVf]b[Ybž`i a `X]Y`<YfUi gZcfXYfi b[Yb`XYf
@Ui g]hn`Ubni [Y\`Yb`i bX`DYfgdY`_h]j Yb`ZØf`X]Y`Ni _i bZ`ini `gW`UZZYb"
8]Y`≐ 679`k]fX`k Y]hYf\]b`Y]bY`k]W`h][Y`F c`Y`VY]`XYf`J YfhfYhi b[
XYf`5fVY]hbY\`a Yf]bhYfYggYb`gd]Y`Yb`i bX`ni f` ; YghU`hi b[`XYg
HfUbgZcfa Uh]cbgd fcnYggYg]b`XYf`@Ui g]hn`VY]hfU[Yb"

E i Y`Y.`≐ 679`BcfXcgh`#chg

8YhU]`g

6Ygi W`Yb`G]Y`i bg`Ui Z.`b!U["XY