

GhUfhY `XY]bY `? Uff]YfY `a]h`Y]bYa `Xi U`Yb
Ghi X]i a `]b `?]Y` `VY]`? fUa Yf / Ua d / A Uhh

9bhXYW_Yb`G]Y`XUg`Xi U`Y`Ghi X]i a `6Yhf]YVgk]fhgWk UZhg`Y\ fY
f6"5"Ł`VY]`? fUa Yf / Ua d / A Uhh; a V < `]b `?]Y` "6Yk YfVYb`G]Y
g]Wk `Yhnh`

⇒ `5i gV]`Xi b[g[YgWk`ÄZij`cb`?]Y` `YbhZU`hYh`g]Wk `Y]b`bYi Yg`? Ud]hY`
8]Y`? fUa Yf / `A Uhh; a V < ž`Y]b`Ui ZghfYVYbXYg`l bhYfbY\ a Yb`]a
6YfY]Wk `a cXYfbYf`#!@0gi b[Ybž`YfÖZbYh`X]Y`A Ö[`]Wk`_Y]h`Z0f`Y]b
Xi U`Yg`Ghi X]i a `]b`6Yhf]YVgk]fhgWk UZhg`Y\ fY`f6"5"Ł`8]YgY
⇒]h]Uhj`Y`]gh`b]Wk`h`bi`f`Y]b`; Yk]bb`Z0f`X]Y`Ghi X]YfYbXYbž`gcbXYfb
ghÄf`_h`Ui Wk`X]Y` : UWk`_fÄZhYVUg]g`]b`GWk`Ygk][! < c`ghY]b"

8]Y`6YXYi hi b[`XYg`Xi U`Yb`Ghi X]i a g`Z0f`X]Y
F Y[]cb

8 Ug`Xi U`Y`Ghi X]i a `]gh`Y]bY`k Yfhj`c` `Y` ⇒j Ygh]h]cb`]b`X]Y`Ni`_i`b`Zhž
XU`Yg`H\Ycf]Y`i`b`X`DfUI`]g`a`]hY]bUbXYf`j`YfV]bXYh"8]Y`? fUa Yf /
A Uhh; a V < `V]YhYh]b`Ni`gUa`a`YbUfVY]h`a`]h`XYf`#` `⇒hYfbUh]cbU`Yb
< cWk`gWk`i` `Y`Y]bY`dfUI`]gbU`Y`5i`gV]`Xi`b[`ž`X]Y`VYgcbXYfg`Z0f`X]Y
XmbUa`]gWk`Y`K`]fhgWk UZhg`UbXgWk UZh?]Y`g`j`cb`6YXYi hi b[`]gh"
Gc`Wk`Y`Dfc[fUa`a`Y`Z0fXYfb`b]Wk`h`bi`f`X]Y`]bX]j`]Xi`Y`Y
? Uff]YfYb`hk`]W`_i`b[`ž`gcbXYfb`hfU[Yb`Ui`Wk`ni`f`GhUV]`]hÄh`XYg
fY[]cbU`Yb`5fVY]hga`Uf`_hYg`VY]"

9]b`6`_]W`_` \]bhYf`X]Y`? i`_]ggYb`XYf`? fUa Yf /
A Uhh; a V <

⇒ ` < YfnYb`j`cb`?]Y` `V]YhYh`X]Y`? fUa Yf / `A Uhh; a V < `Y]b
]bbcj`Uhj`Yg`l`a`Z`Y`Xž]b`XYa` `[Yn]Y`h`HU`YbhY`[YZ0fXYfh`k`YfXYb"

8 Ug`l bhYfbY\`a Yb`ghY\`h`Z0f`Y]bY`gdUbbYbXY`J YfV]bXi b[`Ui g
C b`]bY`A Uf_Yh]b[ž`F YWfi`]h]b[ž`DF ž`#i` bX`DfcXi`_hYbhk`]W_`i b["
8i fW\`XYb`9]bgUhn`a`cXYfbYf`A Yh\`cXYb`i`bX`Hcc`g`Yf\`U`hYb`X]Y
Ghi X]YfYbXYb`X]Y`7\`UbWž`]\`f`Yfk`cfVYbYg`K`]ggYb`dfU`_h]gW
Ubni k`YbXYb`i`bX`gca`]h`k`Yfhj`c``Y`9fZU\`fi`b[Yb`]b`XYf
Dfc`Y`_hUfVY]h`ni`_gUa`a`Y`bž`]XYU`Yfk`Y]gY`]b`XYb`6YfY]WYb`#ž
GYfj`]W`cXYf`J`Yfhf]YV"

K`Yf`gc``hY`g]W\`VYk`YfVYb`3

8]Y`GhY``YbVYgW`fY]Vi`b[`f]W`hYh`g]W\`Ub`_ca`a`i`b]_Uhj`Y`i`bX
Yb[U[]YfhY`6Yk`YfVYfž`X]Y`Y]b`YW`hYg`#hYfYggY`Ub`#i`bX
6i`g]bYgg`a`]hVf]b[Yb``5i`W\`X]Y`Yb][Ybž`X]Y`VYfY]hg`YfghY
9fZU\`fi`b[Yb`Xi`fW\`DfU`_h]_U`gUa`a`Y`b`_cbbhYbž`g]bX`\`Yf`[YbUi
f]W`h][``8i`fW\`XUg`Xi`U`Y`Ghi`X]i`a`k`]fX`b]W`h`bi`f`K`]ggYb
j`Yfa`]hhY`hž`gcbXYfb`Yg`[]Vh`Ui`W\`j`]Y`ZÀ`h][Y`A`Ò[`]W\`_Y]hYb`ni`f`
K`Y]hYfYbhk`]W_`i`b[`XYf`d`Yfg`0b`]WYb`:`À\`][_Y]hYb"

8`Yf`GhUbXc`fh`U`g`J`c`fhY`]

?]Y`ž`GW\`Ygk`][!<c`ghY]bž`]gh`U`g`GhUbXc`fh`b]W\`h`bi`f`Z0f`gY]bY
a`Uf]h]a`Y`5ha`cgd\`ÅfY`VY`_Ubbhž`gcbXYfb`Ui`W\`Z0f`gY]bY
`YVYbX][Y`GhUfh]i`d!`?i`hi`f``8]YgY`?ca`V]bUh]cb`V]YhYh`XYb
Ghi X]YfYbXYb`XYf`?fUa`Yf`/`A`Uhh`;`a`V<`Y]b`]XYU`Yg`l`a`ZY`Xž`i`a
VYfi`Z]W\`Y`BYhk`Yf`_Y`Ui`Zni`VUi`Yb`i`bX`]b`bcj`Uh]j`Y`#XYb`]b`X]Y
FYU`]h`Åhi`a`ni`gYhnYb``6YgcbXYfg`]b`J`YfV]bXi`b[`a`]h`<`Ua`Vi`f[Yf
l`bhYfbY\`a`Yb`k`YfXYb`GmbYf[]Yb`[YgW\`UZZYbž`X]Y`Z0f`U``Y
6YhY]][hYb`j`cb`J`c`fhY`]`g]bX"

:`Un]h.`9]b`GW\`f]hh`]b`Y]bY`YfZc`[`fY]W\`Y Ni`_i`bZh

8 Ug`Xi`U`Y`Ghi`X]i`a`]b`6Yhf]YVgk`]fhgW\`UZh`g`Y\`fY`f6`"5`E`VY]`XYf
?fUa`Yf`/`A`Uhh`;`a`V<`]b`?`]Y``]gh`a`Y\`f`U`g`bi`f`Y]b
5i`gV]`Xi`b[gd`Uhn.`9g`]gh`Y]bY`A`Ò[`]W\`_Y]hž`U`_h]j`_Ub`XYf
9bhk`]W_`i`b[`Y]bYg`l`bhYfbY\`a`Ybg`a`]h`Y]bYa`_ghUf`_Yb
Ni`_i`bZhgc`f]Ybh]Yfi`b[`a`]hni`k`]f`_Yb``#hYfYgg]YfhY`gc``hYb`b]W\`h

nÔ[Yfbž'g]W\`ni`VYk YfVYb`i bX`HY]`X]YgYf`gdUbbYbXYb
9bhk]W_`i b[`]b`XYf`bcfXXYi hgW\Yb`GhUfhi d!GnYbY`ni`k YfXYb"8Yf
YfghY`GW\ f]hhi]b`Y]bY`YfZc`[fY]W\Y`?Uff]YfY`_ÒbbhY`VU`X`k U\ f
k YfXYb`

·`B 5;

8YhU]`g

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