

8 fc [YbgWk a i [[`Yf`Ui g`5gWk UZZYbVi f[. GYWk g`?]`c`8 fc [Yb`g]Wk Yf[YghY`h

6Y]`8i fWk gi Wk i b[Yb`]b`6UmYfb`i bX`i b[Ufb`ZUbXYb
9fa]h`Yf`fi bX`gYWk g`?]`c`8 fc [Yb``9]b`* \$!`Å\ f][Yf`k]fX
j YfXÅWk h][hž`8 fc [YbhfUbgdcfhY`cf[Ub]g]Yfh`ni `UVYb"

5gWk UZZYbVi f[`fkdU#Vmł` ` ð`Y]bYf`VYa Yf_Ybgk YfhYb
Ni gUa a YbUfVY]h`nk]gWk Yb`XYi hgWk Yb`i bX`i b[Uf]gWk Yb
6Y\ÖfXYb`k i fXYb`ja `FU\ a Yb`j cb`8i fWk gi Wk i b[Yb`a Y\ fYfY
?]`c[fUa a `]`Y[U`Y`8 fc [Yb`g]Wk Yf[YghY`h``8]YgY`5_h]cbYb`ghY\Yb
]b`X]fY_hYa `Ni gUa a Yb\Ub[`a]h`XYf`6Y_Äa dZi b[`XYg
[fYbnØVYfgWk fY]hYbXYb`8 fc [Yb\UbXY`gž`XYf`]b`XYb`YhnhYb`>\ fYb
VYgc f[b]gYffY[YbX`ni [Ybca a Yb`\Uh"

8]Y`6YXYi hi b[`XYf`8 fc [YbZi bXY

8]Y` : YghghY`i b[`j cb`ZUgh`gYWk g`?]`c`8 fc [Ybž`\Ui dhgÅWk`]Wk
VYghY\YbX`Ui g`bYi Ufh][Yb`Gi VghUbnYb`k]Y`` !`i bX`(!7A 7žk]fZh
Y]b`GWk`U[`]Wk h`Ui ZX]Y`k]Wk h][Yb`<YfUi gZcfXYfi b[Ybž`X]Y`gck c\`
X]Y`Dc`]nY]`U`g`Ui Wk`XUg`ž gh]ngmghYa `ni `VYk`Ä`h][Yb`\UVYb``8]YgY
Gi VghUbnYb`ghY`Yb`Y]bY`6YXfc\i b[`ZØf`X]Y`ÖZZYbh]Wk Y
; Ygi bX\Y]h`XUfž`XU`g]Y`cZhi bVY`UbbhY`i bX`dchYbn]Y``[YZÅ\ f`]Wk Y
K]f`_i b[Yb`Ui ZX]Y`?cbgi a YbhYb`\UVYb``8]Y`G]Wk YfghY`i b[`j cb
5a d\YhUa]bž`?c_U]bž`#!5i gfØghi b[`i bX`6Uf[Y`X`k Å\ fYbX`X]YgYf
8i fWk gi Wk i b[Yb`nY][h`XUg`5i ga U»`XYg]`Y[U`Yb`<UbXY`g`i bX
XYggYb`9]bZi gg`Ui ZX]Y` ; YgY`gWk UZh"

8 Ug`DfcZ]`XYg`J YfXÅWk h][Yb

⇒ a `A]hY`di b_h`XYf`9fa]h`i b[Yb`ghY`h`Y]b`* \$!`Å\ f][Yf
i b[Uf]gWk Yf`GhUUhgVØf[Yfž`XYf`j YfXÅWk h][h`k]fXž

8 fc[YbhfUbgdcfhY`nk]gWXYb`8Yi hgW`UbX`i bX`i b[Ufb`cf[Ub]g]Yfh
ni `UVYb"5b[Yg]W h g`gY]bYg`6Y`UbbhgY]bg`U`g`8fU`hn]Y`Yf`a
8 fc[Yb`UbXY`i]gh`Yg`k]W h[ž`]\b`fYW h]W`ni f`J YfUbhk cfhi b[`ni
n]Y`Ybž`i a `Y]b`NY]WXYb`[Y[Yb`XYb`8fc[Yb`UbXY`ni `gYhnYb"9f
k Uf`gY]h`a Y`fYfYb`A cbUhYb`]a `J]g]Yf`XYf`i b[Uf]gWXYb`9fa]hh`Yfž
k Ug`XUfUi Z`\]bk Y]ghž`XUgg`Y]b`i a ZUb[fY]WXYg`i bX`_ccfX]b]YfhYg
J cf[Y`Yb`ni f`6Y`Àa dZi b[`X]YgYf`_f]a]bY`Yb`Ghfi _hi fYb
bchk YbX][`]gh"

9fa]hh`i b[Yb`i bX` : YghbU`a Yb

8]Y` : YghbU`a Y`XYg`J YfX`W h][Yb`9bXY`ž`]]b`i b[Ufb`k Uf`Y]b
VYXYi hYbXYf`9fZc`[`Z0f`X]Y`9fa]hh`i b[gVY`\0fXYb"8 UbUW`_Ua `Yg
ni `8i fWgi W`i b[Yb`]b`a Y`fYfYb`K c`bi b[Yb`XYg`A UbbYgž
gck c`]\]b`i b[Ufb`U`g`Ui W`]b`8Yi hgW`UbXž`XUfi bhYf`Ui W`]b`XYf
FY[]cb`5gW UZZYbVi f[ž`k c`Yf`Y]bYb`BYVYbk c`bg]hn`i bhYf`Y]h"
8]YgY`[fYbn0VYfgW fY]hYbXYb`9fa]hh`i b[Yb`j YfXYi h`]WXYb`X]Y
Bchk YbX][_Y]h]bhYfbUh]cbU`Yf`? ccdYfUh]cb`]a `?Ua dZ[Y[Yb
8fc[Yb`_f]a]bU`]h`h"BYVYb`XYf` : YghbU`a Y`XYg
<Ui dhj YfX`W h][Yb`k i fXYb`Ui W`nk Y]`k Y]hYfY`DYfgcbYb
Ui Z[fi bX`j cb`8fc[YbVYg]hn`j cf`Ài Z[]b` : Yk U`fgUa `[Ybca`a Ybž
k Ug`nY][hž`XUgg`]a `F U`a Yb`X]YgYf`9fa]hh`i b[Yb`a Y`fYfY
DYfgcbYb`]b`J YfV]bXi b[`a]h`XYa `8fc[Yb`UbXY`ghY`Yb"

7ca`a`i`b]hm`i`bX`Df`Àj`Yb]cb`b

8]Y`5i ZXW`_i b[`gc`WXYf`8fc[Ybj YfghYW`Y`\Uh`5i gk]f`_i b[Yb`Ui Z
X]Y`c`_U`Y` ; Ya`Y]bgW UZh" `đ`Gh`XhYb`k]Y`5gW UZZYbVi f[ž`k c
gc`WY`]`Y[U`Yb`5_hj]]h`hYb`V`0\Ybž]gh`X]Y`GYbg]V`]g]Yfi b[`XYf
6Yj 0`_Yfi b[`i bX`X]Y` : 0fXYfi b[`df`Àj`Yb]j]Yf`A U»bU`a Yb
YbhgWY]XYbX"8]Y`6Y`\0fXYb`gYhnYb`Ui W`Ui Z`5i Z`Àfi b[ž`i a`X]Y
A YbgWXYb`0VYf`X]Y` ; YZU`fYb`XYg`8fc[Yb`_cbgi a`g`ni`]bZcfa]YfYb
i bX`i a`Y]bY`VfY]hYfY`8]g`_i gg]cb`0VYf`8fc[Ybdf`Àj`Yb]cb`ni
Yfa 0[`]WXYb"

: Un]h

8]YgY'9bhk]W_`i b[Yb'g]bX'b]W\h'bi f'Y]b`c_U`Yg'9fY][b]gž'gcbXYfb
gd]Y[Y`b`Y]bYb'[`cVU`Yb`HfYbX`k]XYfž`]b`XYa`'8fc[Yb\UbXY`i bX
!a]ggVfUi W\`j Yfgh`f_h`]bg`@]W\h`XYf`^ ZZYbh`]W\`Y]h`fØW`Yb`"8]Y
U_hi Y`Yb`9bh\Ø`i b[Yb`Yf]bbYfb`XUfUbž`XUgg`X]Y`6Y_`Äa`dZi b[
XYf`8fc[Yb_f]a]bU`]h`h`Y]bY`Zcfhk`Ä`fYbXY`5bghfYb[i b[`YfZcfXYfh
i bX`XUgg`X]Y`Ni`gUa`a`YbUfVY]h`nk]gW\Yb`j`YfgW\]YXYbYb
6Y\ØfXYb`i bYf`Ägg`]W\`]ghž`i`a`X]Y`G]W\Yf\Y]h`XYf`6Øf[Yf`ni
[Yk`Ä`f`Y]ghYb`i bX`X]Y` ; Ygi bX\Y]h`XYf` ; Ya`Y]bgW\UZh`ni
gW\Øh`Yb`"

8YhU]`g

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