

B Yi ZU\ fb `Yb hXYW_h. `G_Y`YhhZi bXY Yb h\ Ø`Yb `ZfØ\ Y `C fhg[YgW\]W\ hY

B Yi ZU\ fb `a i gg`gY]bY`C fhg[YgW\]W\ hY`ØVYfXYb_Yb.
G_Y`YhhZi bXY`VY`Y[Yb`ZfØ\ YfY`6Yg]YX`i b[ž`GW\ i `VØW Yf
a ØggYb`[YÅbXYfhk YfXYb"

9]bY`VYXYi hYbXY`9b hXYW_i b[`U h`XUg; YgW\]W\ hgj YfghÅbXb]g`XYf
; Ya Y]bXY`B Yi ZU\ fb `Xi fW\ `Y]bYb`G_Y`YhhZi bX`ghUf_`VYY]bZi ggh"
G_Y`YhhYž`X]Y`VY]`6Ui UfVY]hYb`Ua `DZUffk Y[`Yb hXYW_hik i fXYbž
nY][Ybž`XUgg`XYf`C fh`j]Y`Åb[Yf`VYg]YXY`h`k Uf`U`g`i fgdfØb[`]W\
Ub[Ybca a Yb"

8]Y`6YXYi hi b[`XYf`G_Y`YhhZi bXY

⇒ a `ž\ f`&\$&%`k i fXYb`Ua `DZUffk Y[`]b`B Yi ZU\ fb`g]YVYb`[i h
Yf\ U`hYbY`G_Y`YhhY`[YZi bXYb" `8]YgY`9b hXYW_i b[`_Øb bhY`X]Y
; YgW\]W\ hggW\ fY]Vi b[`XYg`C fhYg`Yb hgW\ Y]XYbX`j YfÅbXYfb"
6]g`Ub[`k i gghY`a Ubž`XUgg`B Yi ZU\ fb`Yfgha U`g`]a `ž\ f`, \$(`]b`Y]bYf
gW\ f]ž`]W\ Yb`E i Y`Y`Yfk Å\b`h`k i fXYž`XcW\ `X]Y`bYi Yb`i i bXY
VY`Y[Ybž`XUgg`VYfY]hg`nk]gW\ Yb`*) \$`i bX`++\$`Y]bY
ZfØ`a]hY`U`hYf`]W\ Y`G]YX`i b[`YI]gh]YfhY"

K Yf`k Uf`VYhY]`][h3

8]Y`9f[YVb]ggY`XYf`k]ggYbgW\ UZi`]W\ Yb`i bhYfgi W\ i b[Yb`k i fXYb
_Øfn`]W\ `j cb`9i dYfhYb`dfÅgYbh]Yfhž`XUfi bhYf`9fbYgh`@Ub[`j ca
B Yi ZU\ fbYf`<Y]a Uh`i bX`; YgW\]W\ hgj YfY]bž`8Y`]U`<i f_U`j cb`XYf
?fY]gUfW\ Åc`c[]Y`i fY]g]b[`i bX`5a]fU`5XU]`Y\ `j ca `6UmYf]gW\ Yb
@UbXYgUa h`ZØf`8Yb_a U`dZY[Y" `8]YgY`9i dYfhYb` \UVYb
[Ya Y]bgUa `X]Y`i i bXY`UbU`mg]Yfhi bX`] \fY`ØVYffUgW\ YbXYb
9f[YVb]ggY`j cf[YghY`h"

8]Y`5i gk]f_i b[`Ui Z`X]Y ``c_U`Y`6]`Xi b[

8]Y`9b hXYW_i b[`k]fX`b]W`h`bi f`\\]ghcf]gW`Y` , VYf`Y[i b[Yb
Ub fY[Ybž`gcbXYfb`Ui W`X]fY`_hY`?cbgYe i YbnYb`ZØf`X]Y ``c_U`Y`
6]`Xi b[`\\UVYb``6Øf[Yfa`Y]ghYf` : fUb n`<Y]`a`Y]Yf`ghY``hY`ZYghž`XUgg
X]Y`@Y`fY`]b`GW`i`Yb`XUj`cb`VYhfcZZYb`gY]b`k`]fX.` 8]Y`V]g`Yf`]b
XYb`GW`i`Yb`[`Y`Y`\\fhY`C`fhg[YgW`]W`hY`]gh`b]W`h`a`Y`\\f`\\U`h`Uf`"
; fi bXgW`i`VØW`Yf`a`ØggYb`Yb`hgd fYW`YbX`ØVYfUfVY]hY`h`k`YfXYbž
i`a`XYb`b`Yi`Yb`9f`_Yb`b`hb]ggYb`F`YW`bi`b[`ni`h`fU[Yb``8`Ug`K`]ggYb
ØVYf`X]Y`J`Yf[Ub[Yb`\\Y]h`k`]fX`gca`]h`ZØf`ni`_Øb`Zh][Y` ; YbYfUh]cbYb
df`Ån]gYf`i`bX`fY`Yj`Ub`hYf`"

9]b`@]W`hV`\\]W`_`ZØf`X]Y` ; YgW`]W`hgZc`fgW`i`b[

6Øf[Yfa`Y]ghYf`<Y]`a`Y]Yf`VYhcbhYž`k`]Y`k`]W`h][`Yg`]ghž`@]W`h`]bg
8i`b`_Y`XYf`ZfØ`\\a`]hhY`U`hYf`]W`Yb` ; YgW`]W`hY`ni`Vf]b[Ybž`XU
V]g`Yf`]b`i`f`k`Yb][`XUfØVYf`VY`_Ub`b`h`k`Uf``8]Yg`ghY``hY`]bYb
VYXYi`hY`bXYb` : cfhgW`f]h`ZØf`X]Y` ; Ya`Y]bXY`XUf`i`bX`ØZb`Y`h`b`Yi`Y
HØfYb`ZØf`\\]ghcf]gW`Y` : c`fgW`i`b[Yb`]b`XYf`F`Y[]cb`"

J`YfV]bXi`b[`ni`ØVYffY[]cbU`Yf` ; YgW`]W`hY

Ni`g`Åh`]W`\\UVYb`X]Y` : i`bXY`]b`BYi`ZU`fb`Y]bY`]bhYfYggUb`hY
J`YfV]bXi`b[`ni`f`U`_hi`Y``Yb`@UbXYgUi`gghY``i`b[`ØVYf`6UmYfb`]a
ZfØ`Yb`A`]hhY`U`hYf``8]YgY`nY][`hž`XUgg`Yg`]b`6UmYfb`ØVYfk`]Y[YbX
7`\\f]ghYb`j`cf`XYf`5b`_i`b`Zh`XYg`<Y][`Yb`?`cfV]b]Ub`]a` `\\f`+`&(`
[Y[YVYb`\\UVYb`a`i`gg``8]Y`b`Yi`Yb`9f`_Yb`b`hb]ggY`Ui`g`BYi`ZU`fb
ghØh`nYb`X]YgY`H`Y`cf]Y`i`bX`Y`fk`Y]hYfb`XUg`J`Yfgh`Å`b`Xb]g`ØVYf`X]Y
fY[]cbU`Y` ; YgW`]W`hY`"

: Un]h

8]Y`]a`DZUffk`Y[`Yb`hXYW`_hYb`G`_Y`Y`hhY`V]Y`hYb`b]W`h`bi`f`b`Yi`Y
9]b`V`]W`_Y`]b`X]Y` ; YgW`]W`hY`BYi`ZU`fb`gž`gcbXYfb`[`YghU`hYb`Ui`W`
X]Y`ni`_Øb`Zh][`Y`@Y`fY`i`bX`XUg` ; YgW`]W`hgVYk`i`gghgY]b`XYf`
; Ya`Y]bXY`i`a`"K`Å`fYb`X`X]Y`k`]ggYb`gW`U`Zh]W`Y` ; Ya`Y]bgW`U`Zh
d`Ub`hž`X]Y`9f[YVb]ggY`]b`Y]bYa` : UW`Ui`ZgUhn`ni`di`V`]n]YfYbž`k`]fX

Yfk UfhYhž'XUgg'X]YgY'9bhXYW_i b[Yb'k Y]hfY]WYbXY'8]g_i gg]cbYb
gck c\`Ui Z`c_U`Yf`U`g`Ui W`Ui ZØVYffY[]cbU`Yf'9VYbY`UbFY[Yb"

' B 5;

8YhU]`g

6Ygi WYb'G]Y'i bg'Ui Z.'X]Y!bUW f]WY hYb"bYh