

HÀ[`]W\ Y `? fmd hc `Dfc[b c gY ` `8]Y `Hc d
? fmd hc `6Yk Y[i b[Yb ` \ Yi hY ` ` &) "
GYdhYa VYf`&\$&%

6]hWc]bž6H7`ni`l`G8žfi`hgW\hY`Ua`i`fY]hU[`i`a`i`(`ž)(i`UV"
6]hWc]b`_Y\fhY`Y]bYb`5bgh]Y[`j`cb`i`ž\$%i`i`[Y[`YbØVYf`
8`cbbYfghU[`i`a`i`bX`VYYbXYhY`XYb`HU[`VY]`(`&,"`)*ž\$`l`G8`"
9]b`[`Ya`]gW\hYf`GhUfh]b`XYb`HU[`ZØ\fhY`XUni`ž`XUgg`6]hWc]b`
Ui`Z`Y]b`≠hfUXUm!<cW\`Ua`i`J`cfa`]hU[`j`cb`i`(`)"%*(`ž)`l`G8`
gh]Y[`ž`VYj`cf`Yg`XYb`F`ØW_k`Åfhg[`Ub[`Y]bgW\`i`[`"6]hWc]b`
j`YfZY\`hY`XUg`YfghY`[`fc»`Y`K`]XYfghUbXgb]j`YUi`j`cb`i`(`)"`))`
l`G8`i`bX`fi`hgW\hY`Ui`Z`Y]b`≠hfUXUm!H]YZ`Ua`i`gd`ÅhYb`A`cf[`Yb`
j`cb`i`(`\$`+`))`ž\$`l`G8`"6]hWc]b`Z]Y`Xi`fW\`XUg`YfghY`[`fc»`Y`
l`bHYfghØhni`b[`gb]j`YUi`VY]`i`(`"`)`,"`i`bX`XUg`nk`Y]hY`[`fc»`Y`
l`bHYfghØhni`b[`gb]j`YUi`VY]`i`(`&`(`"`)`%`i`"6YXYi`hgUa`Yf`]ghž`XUgg`
6]hWc]b`Ui`W\`Xi`fW\`XUg`i`,"`ž&i`i`i`≠`j`cb`i`(`%)`-`&`i`
/`Ua`d`Λ`Y``d`/`

6]hWc]bž6H7`ni`l`G8žfi`hgW\hY`Ua`i`fY]hU[`i`a`i`(`ž)(i`UV"
6]hWc]b`_Y\fhY`Y]bYb`5bgh]Y[`j`cb`i`ž\$%i`i`[Y[`YbØVYf`
8`cbbYfghU[`i`a`i`bX`VYYbXYhY`XYb`HU[`VY]`(`&,"`)*ž\$`l`G8`"

9]b`[`Ya`]gW\hYf`GhUfh]b`XYb`HU[`ZØ\fhY`XUni`ž`XUgg`6]hWc]b`Ui`Z`Y]b`
≠hfUXUm!<cW\`Ua`i`J`cfa`]hU[`j`cb`i`(`)"%*(`ž)`l`G8`gh]Y[`ž`VYj`cf`Yg`
XYb`F`ØW_k`Åfhg[`Ub[`Y]bgW\`i`[`"

6]hWc]b j YfZY\`hY`XUg`YfghY` [fc»Y`K`]XYfghUbXgb]j YUi` j cb` ()))
I G8`i bX`fi hgWxhY`Ui ZY]b` ðhfUXUmH]YZ`Ua` `gd`hYb`A cf[Yb`j cb
("\$+")) ž\$`I G8`"

6]hWc]b`Z]Y`Xi fWx`XUg`YfghY` [fc»Y`I` bhYfghØhni b[gb]j YUi` `VY]
(' "*") , `i bX`XUg`nk Y]hY` [fc»Y`I` bhYfghØhni b[gb]j YUi` `VY]` (& "(' %
~ "

6YXYi hgUa` Yf`]ghž`XUgg`6]hWc]b`Ui Wx`Xi fWx`XUg` , ž&ı` : ð`j cb
(%) - &`~`Z]Y`ž`VYj cf`Yg`_i fnnY]h][`XUg`B]j YUi` j cb` (' "&\$`\$`~
YffY]WxhY`"

6]hWc]b`Xi fWx`VfUWx`XUg` , ž&ı` : ð`i bX`XUg`nk Y]hY` [fc»Y
I bhYfghØhni b[gb]j YUi` i bX`VYYbXYhY`XYb`HU[`VY]`Y]bYa` `B]j YUi
j cb` (& , "\$`I G8`"

8Yf`_i fnZf]gh][`Y`5i Zk`ÀfhghfYbX`V`]YV`hfc`hn`XYf`Øb[ghYb`F`ØW`_Y`f
Ui ZY]b`B]j YUi` i bhYf` ("\$`\$`\$`I G8`]bhU`_h` : Øf`X]Y`6`ÅfYb`Vf`Ai WxhY
6]hWc]b`Y]bYb`Ub`U`hYbXYb`F`ØW`_ [Ub[`Xi fWx`XYb`*`&ı` : ð`j cb
&+`&` +`~`ž`i a` `Y]bYb`_i fnZf]gh][`Yb`5V`k`ÀfhghfYbX`ni`V`]XYb`"

8 Yf`F`Ygh`XYg`DU`_Yhg

: Øf`XYb`F`Ygh`XYf`A`U`c`fg`k`Uf`Yg`Y]b`V`Åf]gWxYf`HU[`Ua` : fY]hU["

7`U]b`]b`_i bX`6]hWc]b`7Ug`\`GJ`fi hgWxhYb`i a` , ž* (i` `Vnk`"i a
, ž) i` `UV`ž`i a` `XYb`K`Y[`bUWx`i bhYb`ni`ZØ`fYb`"

6]bUbWx`7c]b`fl`+` (\$ı` Łž`7fmdhc`"Wc`a` `7c]b`fl`*`ž` \$ı` Łž`9h`YfYi a
fl`+`ž`%`\$ı` Łž`@]hYWc]b`fl`+`ž`%`\$ı` Łi bX`F]dd`Y`g`L`F`D`fl`) ž` &ı` Ł`U`h`hY
YVYbZU`g`DfcV`Ya` Y`"

7UfXUbcg`585`fl`&ž`%`\$ı` Łi bX`Dc`_UXch`fl` ž(%ı` Łj YfnY]Wx`bYhYb
YXcWx`fY`Uh]j`VYgWxY]XYbY`J`Yf`i`ghY`"

ð`XYf`U`_hi`Y`Yb`K`cWxY`gh]Y[`XYf`?fmdhc!;`YgUa`ha`Uf`_h`Ui`ZY]b
A`cb`hU[`g`c`Wx`j`cb`&`%` *`A`fX`"I`G8`ž`VYj`cf`Yf`Ui`ZY]b`8]Yb`ghU[`gh]YZ
j`cb`%`+` (`A`fX`"I`G8`UVfi`hgWxhY`"Ni`a` `NY]hdi`b`_h`XYg`GWx`fY]VYb`g

`U[`X]Y` ; YgUa ha Uf_h_Ud]hU`]g]Yfi b[`VY]`%- (%A]``UfXYb`I G!
8c``Uf"

8]Y`8ca]bUbn`j cb`6]hWc]b`gh]Y[`Ui ZY]b`A cbhU[g\cW\`j cb
(&ž- +i ž`VYj cf`g]Y`Ui Z`Y]b` : fY]hU[gh]YZj cb` (\$ž- - i `Z]Y`""Ni a
NY]hdi b_h`XYg`GW`fY]VYbg`U[`X]Y`8ca]bUbn`j cb`6]hWc]b`VY]
(%ž) \$i "

< Yi hY`A cf[Yb

Ni a `NY]hdi b_h`XYg`GW`fY]VYbg`]gh`6]hWc]b`i a` \$ž\$) i `Ui Z
(& , ' (ž\$`I G8 ` [YZU`Yb""9]b` [Ya]gW`hYf`GhUfh`b`XYb`HU[`ZØ\fhY
XUni ž`XUgg`6]hWc]b`Ui Z`Y]b`H]YZ`Ua `ZfØ\Yb`A cf[Yb`j cb` (&"*) &ž\$
I G8`Z]Y`ž`VYj cf`Yg`Ui Z`Y]b`<cW\`j cb` (&"- , *ž` `I G8`gh]Y["

6]hWc]b`Y» `X]Y`k]W`h[ghYb`I bhYfghØhni b[g!`i bX
K]XYfghUbXgb]j YUi g`ZfØ\nY]h[`i b[YhYghYh"

5b`UbXYfYf`GhY`Y`k Uf`Yg`Y]b`Vi ``]gW`Yf`GhUfh`b`XYb`HU["

Ni a `NY]hdi b_h`XYg`GW`fY]VYbg`k Uf`Dc`_UXchi a `` ž+\$i
[Ygh]Y[Ybž`i a `X]Y` : Ø\fi b[`ni `ØVYfbY\`a Yb"

: Øf`XYb`VYj cfghY\ YbXYb`6]hWc]b!HU[

6]hWc]b`a ØgghY`g]W`Xi fW`XYb`D]j chj cb` (&"- &) ``
ni fØW_VYk Y[Ybž`i a `XUg`YfghY` [f»Y`K]XYfghUbXgb]j YUi `VY]

() "\$-) ``]bg'Gd]Y``ni `Vf]b[Yb"

8Ua]h'6]hWc]b'k]YXYf'Ui ZY]b'B]j YUi `j cb'() "\$\$\$'I G!8c``Uf
Xi fW VfYW Yb`_Ubbž'k ĀfY'I bhYfghØhni b[`j ca `VfY]hYfYb'A Uf_h
YfZcfXYf`]W"

5V[YgY\Yb`j cb`Y]bYf`VfY]h'Ub[Y`Y[hYb`? fmdhc!F U``mY`k ØfXYb`XUg
YfghY`[fc»Y`K]XYfghUbXgb]j YUi `i bX`XUg': fY]hU[g\cW`j cb
() "%*(ž) `I G8`k U\fgWY]b`]W`XYb`5i Zk ĀfhghfYbX`VY[fYbnYb"

æa `: U``Y`Y]bYf`VfY]h'Ub[Y`Y[hYb`? fmdhc!F U``mY`_ØbbhY`6]hWc]b`XYb
K]XYfghUbX`Ui ZY]bYa `B]j YUi `j cb'(`, "\$\$\$'I G8`hYghYbž`VYj cf`Yg
ni `Y]bYa `FØW_ni [`_ca a h`8Ug`nk Y]hY`[fc»Y`K]XYfghUbXgb]j YUi
`Y[h`VY](+"" ') `I G!8c``Uf"

Gc``hY`Yg`b]W`h'a Ø[`]W`gY]bžXYb`D]j chj cb'(&"- &) `I G!8c``Uf
k]YXYf`ni `ØVYfk]bXYbž'k ØfXY`XUg'' , ž&i `: æ`j cb'("%) - &`I G!
8c``Uf`i bX`XUg`YfghY`[fc»Y`I bhYfghØhni b[gb]j YUi `VY](\$"*, *`I G!
8c``Uf`]bg'Gd]Y``_ca a Yb"

5V[YgY\Yb`j cb`Y]bYa `k Y]hYfYb``Āb[YfYb`5i gj Yf_Ui Z`Ub`X]YgYa
HU[`gc``hY`6]hWc]b`XUg`nk Y]hY`[fc»Y`I bhYfghØhni b[gb]j YUi `VY]
' , ") %*`I G!8c``Uf`a Y]XYb"

8YhU]`g

6Ygi W`Yb`G]Y`i bg`Ui Z.`_fmdhc!bYk`g"Uh