

J ]YhXYi hgWXY ? i `hi f`V`Ø`h`]a `8cb[ !Li Ub!  
7YbhYf. : Ygh]j U` / ` \$' - /Gcb[ `C  
6Yf`]b/ ` \$' - /`ghUfhYh

9f`YVYb`G]Y`X]Y`j ]YhXYi hgWXY ? i `hi f`]b`6Yf`]b`8Ug` : Ygh]j U`  
/ ei ch/Gcb[ `C`6Yf`]b/ ei ch/`a `8cb[ !Li Ub!7YbhYf`ZY]Yfh  
A i g]\_ž: ]`a `i bX`7ca YXm]cb`j ]YhbUa Yg]gWXYb`?Øbgh`Yfb"

J ]Y`ZU`h`i bX`? i `hi f`]a `8cb[ !Li Ub!7YbhYf

⇒ a `<YfnYb`j cb`@]W`hYbVYf[ `ZY]Yfh`X]Y`j ]YhXYi hgWXY`7ca a i b]hm  
a ]h`Y]bYa ` : Ygh]j U`ZØf`? i `hi f`i bX`ϕhY[ fUh]cb`"8Ug`9j Ybh` Gcb[ `C  
6Yf`]b `Vf]b[ hj ca `8cb`bYfhgU[ `V]g`Gcb`b`hU[ `A YbgWXYb  
ni gUa a Ybž`i a `X]Y`j ]Y`ZÄ`h[ Yb`\_Øbgh`Yf]gWXYb`HU`YbhY  
j ]YhbUa Yg]gWXYf`Ni k UbXYfYf`ni `dfÄgYbh]YfYb"

? Øbgh`Yf]gWXY`6Ø`bY`ZØf`J ]YhXYi hgWXY

8]Y`J YfUbghU`hi b[ `[ ]Vh`]bgVYgcbXYfY`XYf`nk Y]hYb` : YbYfUh]cb`j cb  
j ]YhbUa Yg]gWXYb`9]bk UbXYfYfb`Y]bY`D`UhhZcfa `"? i fUhc]b`A U]  
@Y`ž`gY`Vgh`HcW`hYf`j ]YhbUa Yg]gWXYf`9]bk UbXYfYf`ž`VYhcb`h`X]Y  
6YXYi hi b[ `gc`W`XYf`9j Ybhg. `K ]f`a ØW`hYb`?Øbgh`Yf`Ui g`XYf  
7ca a i b]hm]G]W`hVUf`\_Y]h`V]YhYbž`X]Y`g]Y`]b[ fØ»YfYb`F U`a Yb`c`Zh  
b]W`h`Yf`U`h`Yb" `ϕ`XYf`J Yf[ Ub[ Yb`Y]h`k i fXY`XYi h]W`ž`XUgg  
J YfUbghU`hi b[ Yb`X]YgYf`5fh[ fc»Yb`5b`\_Ub[ `Z]bXYb. ` , VYf`" ) \$ \$  
6Ygi W`XYf`k UfYb`]a `Y`h`hYb`ϕ`V`VY]Y]bYa `Ä`b`]WXYb`?cbnYfh]a  
8cb[ !Li Ub!7YbhYf`ni [ Y[ Yb"

Dfc[ fUa a `Ø`Ydi b`\_hY`]a ` : Ygh]j U`

8]Y`9fØZbi b[ g[ U`U`V]YhYh`Y]bY`Vi bhY`A ]gW`i b[ `Ui g`@] Ya i g]\_ž  
HU`\_g`i bX`DYfZcfa UbW`g"<Ø`Ydi b`\_hY`g]bX`i bhYf`UbXYfYa `XYf

5i Zhf]hh'XYf' < Ua Vi f[ Yf' ? UVUfYhh]gh]b' A U] A mi bX' X]Y' 8 UfV]Yhi b[ XYf': i b\_m'A cb\_Ymgž'X]Y' Y]bY' A ]gWk i b[ 'Ui g'5fh]gh]\_ž' < ]d! < cd i bX' N]f\_i g'dfÅgYbh]YfYb''8]YgYg'j ]Y'ZÅ'h][ Y'Dfc[ fUa a 'k ]fX'j cb XYf'æi fbU' ]gh]b' J UbYggU' J i 'a cXYf]Yfh"

: ]`a Y' i bX' 9f]bbYfi b[ Yb' Ub' X]Y  
J Yf[ Ub[ Yb\ Y]h

5a 'GcbbhU[ 'fØW\_h'X]Y': ]`a \_i bgh]b' XYb' J cfXYf[ fi bX''8Yf FY[ ]ggYi f'8i WB[ c' B[ cWk ]fX' gY]bY' 5F 8!GYf]Y' A UXY' ]b ; Yfa Ubm' j cfZØ\ fYbž'X]Y' XUg' @YVYb' j cb' 9]bk UbXYfYf\_]bXYfb h\Ya Uh]g]Yfh''I a 'XUg'\_i 'hi fY''Y' 9fVY'ni 'k ØfX][ Ybž'k ]fX'Ui Wk' Y]bY 5i gghY''i b[ '[ YnY][ hž'X]Y' ØVYf'X]Y'; YgWk ]Wk hY' XYf J YfhfU[ gUfVY]hYf' ]b' XYf' 8 8 F' ]bZcfa ]Yfh''9g'k ]fX' Yfk UfhYhž' XUgg X]Y' 6Ygi WkYf'Xi fWk': Ø\fi b[ Yb'a Y\ f'ØVYf'X]Y' Fc''Y' XYg' 8 cb[ ! Li Ub! 7YbhYfg' ]b' XYf'j ]YhbUa Yg]gWkYb' 7ca a i b]hmYfZU\ fYb"

8 Ug' 8 cb[ ! Li Ub! 7YbhYf. '9]b' C fh' XYf  
6Y[ Y[ bi b[

8 Ug' 8 cb[ ! Li Ub! 7YbhYfž' XUg' gY]h' &\$ \$\* 'U'g' nYbhfU' Yf' < UbXY' gc fh ZØf' Ug]Uh]gWkY' < ÅbX' Yf' Z] b[ ]Yfhž' Z]YfhiUb' X]YgYa 'K cWkYbYbXY gY]bYb' &\$''; YVi fhghU[ ''I fgdfØb[ ' ]Wk' YbhghUbXYb' Ui g' XfY] f]Yg][ Yb'; Yk YfVY\ U''Ybž']gh' Yg'a ]hYfk Y]Y' Ui ZgYWk g' < U''Yb Ub[ Yk UWk gYb'' < ]Yf'j Yf\_Ui ZYb'a Y\ f' U'g' ( \$ \$ 'A ]YhYf' HYI h] )Ybž @YVYbga ]hY''i bX'; YgWkYb\_Ufh]\_Y''Ub' 9]bnY'\ ÅbX' Yf'Ui g' ]\ fYb 7ca a i b]h]Yg''8]Y' J ]Y'ZU'h'XYf' < ÅbX' Yf' ]gh' YXcWk' b]Wk h'bi f'Ui Z'X]Y j ]YhbUa Yg]gWkY' 7ca a i b]hmVYgWk fÅb\_h' 'Ui Wk' hØf\_]gWkYž UfUV]gWkY' i bX''UhY]bUa Yf]\_Ub]gWkY' < ÅbX' Yf' VØfghYb' XUg' 6]X' XYf a i 'h]\_i 'hi fY''Yb'I bhYfbY\ a YfgWkUZh"

; YbYfUh]cbgk YWk gY''i bX  
< YfUi gZc fXYfi b[ Yb

8]Y'; YbYfUh]cbYb' ]b' XYf'j ]YhbUa Yg]gWkYb' 7ca a i b]hmighY\ Yb' j cf Y]bYa 'K UbXY'' 8 cb[ 'H\ Ub\ 'B [ i mYbž' 5gg]ghYbh'XYf

; YgWÅZhgzØ\fi b[ ž'k Y]gh'XUfUi Z'\]bž'XUgg'j ]Y`Y`XYf`YfghYb  
< ÅbX`Yf`]b`XYb`F i \YghUbX`[ Y\Yb`i bX`\fY`:]fa Yb`Ub`X]Y`bÅW ghY  
; YbYfUh]cb`ØVYf[ YVYb"8]Yg`\_ØbbhY`ni`Y]bYf`9fbYi Yfi b[ `i bX  
a Ò[ `]WYfk Y]gY`Ui W`ni`< YfUi gZcfXYfi b[ Yb`ZØ\fybž'XYbb`X]YgYf  
; YbYfUh]cbgk YW`gY`Vf]b[ h'Zf]gW`Y`≠YYb`i bX`DYfgdY\_h]j Ybž'UVYf  
Ui W`X]Y`Bchk YbX][ \_Y]hž'HfUX]h]cbYb`i bX`K YfhY`ni`VYk U\fYb"

8]Y`J YfUbghU`hi b[ Yb`]a`8cb[ !Li Ub!7YbhYf'g]bX`a Y`f`U`g`bi f  
\_i`hi`fY`Y`8UfV]Yhi b[ Yb`/g]Y`g]bX`Y]bY`k ]W`h][ Y`; Y`Y[ Yb`Y]hni f  
GhÅf\_i b[ `XYg]; Ya Y]bgW`UZhg[ Y]ghg`i bX`ni`f: ÒfXYfi b[ `XYf  
≠hY[ fUh]cb`XYf`j ]YhbUa Yg]gW`Yb`7ca`a`i`b]hmi]b`6Yf`]b"8Ug  
: Ygh]j U` Gcb[ `C`6Yf`]b` \YVh`X]Y`\_fYUh]j Y`9bYf[ ]Y`Y]bYf`; fi ddY  
\Yfj cfž'X]Y`gY]h`U\fnY`b`hYb`ni`f`\_i`hi`fY`Yb`J ]Y`ZU`h`XYf`GhUXh  
VY]hfÅ[ h"

· B 5;

8YhU]`g

6Ygi W`Yb`G]Y`i bg`Ui Z.`a Y]b!VYf`]b"bYh