

8]Y `VYghYb `F Y []cbYb `ZØf
[Yk]bbVf]b [YbXY
⇒ a a cV]`Yb]bj Ygha Yb hg

9fZU\ fYb`G]Yžk c`g]Wk `⇒ a a cV]`Yb]bj Ygh]h]cbYb `]b
8 Yi hgW `UbX`k]f_]Wk `Ui gnU\ `Yb" `I bgYf`5fh]_Y` []Vh`⇒ bYb
Y]bYb`9]bV`]W_]b`X]Y`VYghYb `F Y []cbYb`i bX`]\ fY`J cfhY`Y"
:]bXYb`G]Y` \YfUi gžk cfUi Z`G]Y`VY]`⇒ a a cV]`Yb]bj Ygh]h]cbYb
UWk hYb`gc`hYb`i bX`k]Y`G]Y`cfXYbh`]Wk Y` ; Yk]bbY`Yfn]Y`Yb
_ØbbYb" `@YgYb`G]Y`YhnhXYb`5fh]_Y`]cb` ; YfU`X` < Øf\ Ubž
XYa `VYfØ\ a hYb`⇒ bj Ygha Yb hdi b_"



8 Yf `VYghY `NY]hdi b`_h`ZØf
⇒ a a cV]`Yb]bj Ygh]h]cbYb. `H]ddg`j ca
⇒ bj Ygha Yb hdi b_` ; YfU`X` < Øf\ Ub

8 Yf` ⇒ a a cV]`Yba Uf`_h`]b`8 Yi hgW `UbX`ghY`hj cf` [fc» Yb
< YfUi gZcfXYfi b [Yb" < c\Y`6Ui _cghYbžghfYb [Y`J cfgWk f]ZhYb`i bX
i bni fY]Wk YbXY` : ØfXYfdfc [fUa a Y`a UWk Yb`Yg`ZØf`j]Y`Y`6Ui hfÄ [Yf
i bfYbhUVY`žbYi Y`Dfc`Y`_hY`ni`ghUfhYb" `5i Wk`VY`_UbbhY

l bhYfbY\ a Yb'k]Y'X]Y'8"]]"i bX'X]Y'G][bU!; fi ddY'g]bX'VYfY]hg
]bgc'j Ybh[Y[Ub[Yb"8cW\]ba]hYb'X]YgYf'f]gY'gY\Yb'Y]b][Y
#j YghcFYb'7\UbWbžX]Y'bi f'gY'hYb'[YVchYb'k YfXYb"
#j Ygha Ybhd i b_'; YfU'X'< Òf\Ub[]Vh'bi b'gY]bY'9]bgW\Àhni b[
XUni ž'k c'Yg'g]W\U_hi Y""c\bhž]b' a a cV]]Yb'ni]bj Ygh]YfYb"

; YfU'X'< Òf\UbžXYf'Xi fW\ _i [Y' #j Ygh]h]cbYb']b
9]bn]a a Yfk c\bi b[Yb'ni a 'A]]]cbÅf'k i fXYž_Yb bhg]W\ VYghYbg
a]h'XYa ' a a cV]]Yba Uf_h'Ui g"9f'fÅh'Ub[Y\YbXYb' #j YghcFYbž
[YbUi 'Ui ZX]Y'U_hi Y""Yb'A Uf_hfYbXg'i bX'fY[]cbU'Yb
9bhk]W_i b[Yb'ni 'UW\hYb"8Ybb'Ui W\ ; YgYhnYgÅbXYfi b[Yb'k]Y
A]YhdfY]gVfYa gYb'cXYf'ghYi Yf']W\Y'5bdUggi b[Yb'VYY]bZi ggYb
X]Y'F YbhUV]]hÅhj cb' a a cV]]Yb]bj Ygh]h]cbYb'Yf\YV']W\ "

K Y'W\Y'g]bX'U'gc'X]Y'VYghYb'F Y[]cbYb']b'8Yi hgW\UbXž]b'XYbYb
Yg'g]W\ "c\bhž]b' a a cV]]Yb'ni]bj Ygh]YfYb3'@Ui h'< Òf\Ub'gc''hY
a Ub'j cf'U''Ya 'Ui Zj Yf_Y\fg[Øbgh][Y'; YV]YhY'a]h'Y]bYf'ghUf_Yb
K]fhgW\UZh'i bX'dcg]h]j Yb'6Yj Ò_Yfi b[gdfc[bcgYb'gYhnYb"8c fh
_Ubb'Y]bY'A]YhfYbX]hY'j cb'Yhk U') 'DfcnYbh'Yfn]Y'h'k YfXYb"
8U[Y[Yb'gc''hYb'k]fhgW\UZh']W\ 'gW\k UW\Y'F Y[]cbYbž'ÀbX']W\ Y
; YV]YhY'a]h'Y]bY[Uh]j Yf'6Yj Ò_Yfi b[gdfc[bcgY'i bX'gW\ 'YW\hYf
J Yf_Y\fgUbV]bXi b['j Yfa]YXYb'k YfXYb"

9]b'k Y]hYfYf'k]W\h][Yf'5gdY_h']gh'X]Y'5i gk U\''XYg
 a a cV]]Yb hmdg"9]bn]a a Yfk c\bi b[Yb'g]bX'ni a '6Y]gd]Y''VY']YVh
VY]'6Yfi ZgdYbX'Yfbž'Ghi XYbhYb'i bX'G]b['Ygž'XU'g]Y'Y]bY'\c\Y
BUW\ZfU[Y'\UVYb"8i fW\X]Y'Y'Yfa]Yhi b['Ub'a Y\fYfY'A]YhYf']gh
Ui W\X]Y'A]YhY]bbU\ a Y'dfc'E i UXfUha YhYf'\Ò\Yf"Ni XYa '\UVYb
9]bn]a a Yfk c\bi b[Yb'[Yf]b[YfY' #ghUbX\U'hi b[g_cghYb'i bX
V]YhYb'ghUV]Y'A]YhY]bbU\ a Yb"5i W\K ; !hUi [']W\Y'K c\bi b[Yb
i bX'A Y\fZJa]Y]Yb\Ài gYf'g]bX'[i hY'Cd h]cbYbž'i a 'F YbX]hY'ni
Yfn]Y'Yb"6Y]'A Y\fZJa]Y]Yb\Ài gYfb']gh'XUg'F]g]_c'Xi fW\ '@YfghUbX
[Yf]b[Yfž'XU'VY]'hYa dcfÅfYa '@YfghUbX'Y]bYf'9]b\Y]h'XYbb cW\
A]YhY]bbU\ a Yb'[YbYf]Yfh'k YfXYb'_ÒbbYb"

6Yj cf'a Ub'YXcW\]b' a a cV]]Yb']bj Ygh]Yfhž']gh'Yg'i bYf'Àgg']W\ ž
g]W\ '[i h'ni]bZcfa]YfYb'i bX'X]Y'f]W\h][Yb'9bhgW\Y]Xi b[Yb'ni
hfYZZYb"; YfU'X'< Òf\Ub'fÅhž]g]W\ '[fØbX']W\ 'a]h'XYb'j YfgW\]YXYbYb

F Y[]cbYb`8Yi hgW`UbXg`i bX`XYb`c_U`Yb`6YgcbXYf\Y]hYb
Ui gY]bUbXYfni gYhnYb"Bi f`gc`_ÒbbYb`cfXYbh]WXY; Yk]bbY`Yfn]Y`h
k YfXYb"

8Yf`a a cV]Yba Uf_h`a U[`hi fVi `Ybh`gY]bž`UVYf`Yf`V]YhYh`Ui W
7\UbW`b`ZØf`_i [Y`b] YgbcfYb"A]h`XYb`f]W h][Yb`bZcfa Uh]cbYb
i bX`Y]bYf`[i hYb`GhfUhY[]Y`_ÒbbYb`a a cV]Yb]bj Ygh]h]cbYb`Ui W
\Yi hY`bcW`gY`f`fYbhUVY`gY]b"

8YhU]`g

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