

### =bX]gWXY; Ui a YbZfYi XYb. 8]Y VYghYb FYghUi fUbhg ]b I `a YbhXYW\_Yb

9bhXYW\_Yb^G]Y^X]Y^XfY]^VYghYb^]bX]gW\Yb^FYghUi\_fUbhg^]b I `a ž^X]Y^a ]h^\_i `]bUf]gW\Yb^? Ògh`]W\\_Y]hYb^i bX \Yfi\_cffU[YbXYb^6Yk Yfhi\_b[Yb^VY[Y]qhYfb"

- ; Ybi gga  $O[`]WX_Y]hYbž'X]Y'X]YgYg'j]Y`ZA`h][Y'GdY_hfi a 'Ub'$
- ; YgW.a ÀW\_Yfbž'; Yk ØfnYb'i bX'Ni VYfY]hi b[gUfhYb'V]YhYh''

#### 9]b'\_i `]bUf]gW\Yg'9f`YVb]g'ZØf'U``Y

 $\pm 0.1 \ a \ [\ ]VhYgY]bYJ\ ]Y`nU\ ``j\ cb']bX]gWXYb'FYghUi\ fUbhgž'X]Y gck\ c\ ``ZØf': `Y]gWX`]YV\ UVYf'U`g'Ui\ WX`ZØf'JY[YhUf]Yf'i\ bX'JY[UbYfUhfU_h]jY'; Yf]WXhY'UbV]YhYb''8]Y']bX]gWXY'? ØWXY'V]YhYhYY]bY [fc»Y'5i gk U\ `ž'X]Y'X]Y'j YfgWX]YXYbYb'J cfghY``i\ b[Yb'j\ cb'[i\ hYa\ 9ggYb'VYfØW_g]WXh][h''Jcf'U``Ya\ X]Y'; Yk\ ØfnYž'X]Y']b'j\]Y`Yb\ hfUX]h]cbY``Yb'; Yf]WXhYb'j\ Yfk\ YbXYh'k\ YfXYbž'a\ UWXYb']bX]gWXYg\ 9ggYb'ni\ Y]bYa\ VYgcbXYfYb'9f`YVb]g''$ 

## 6Y`]YVhY`FYghUi fUbhgʻa ]h`\Yfj cffU[YbXYb 6Yk Yfhi b[Yb

8]Y'5i gk U\`'Ub']bX]gW\Yb'FYghUi fUbhg']b'I `a ']gh'VYY]bXfi W\_YbX" Bi f'X]Y'VYghYb'@c\_U`Y'\UVYb'Yg']b'X]Y'@]ghY'XYf Ya dZY\`Ybgk YfhYghYb'FYghUi fUbhg'[YgW\UZZhž'X]Y'a ]bXYghYbg %\$\$'; cc[`Y!6Yk Yfhi b[Yb'i bX'Y]bYb'8i fW\gW\b]hh'j cb'( $\check{z}$ \$ GhYfbYb'Ui Zk Y]gYb"'8]YgY'6Yk Yfhi b[ $g_f$ ]hYf]Yb'g]bX'k ]W\h][ $\check{z}$ i a Y]bY'ei U`]hUh]j '\cW\k Yfh][Y'[Ughfcbca]gW\Y'9fZU\fi b[

g]WX Yfni ghY``Yb"'Gc'\_ÒbbYb'; ÀghY'g]WX Yf'gY]bž'XUgg'g]Y']b'X]YgYb F YghUi fUbhg'\_i `]bUf]gWXY'; Yb $\emptyset$ ggY'Yfk UfhYhž'X]Y'Ui Z'Y]bYf'\c\Yb E i U`]hÀh'VUg]YfYb"

#### 8 Ug G \ U`]a Uf. '9]b '[ Ya Øh`]W Yf F ØW\_ni [ gcfh

8 UgʻF YghUi fUbhʻG\U`]a UfžʻXUgʻ]bʻXYfʻGÒZ]b[YfʻGhfU» Yʻ%( &ʻni Z]bXYbʻ]ghžʻ]ghʻY]bʻVY`]YVhYfʻ5b`Ui Zdi b\_hʻZØfʻ]bX]gWXY
GdYn]U`]hÀhYb"A ]hʻY]bYfʻ? UdUn]hÀhʻj cbʻfi bXʻ) \$ʻDYfgcbYbʻ]ghʻYg
XYfʻ]XYUʻYʻC fhʻZØfʻY]bʻYbhgdUbbhYgʻ9ggYbʻa ]hʻ: fYi bXYbʻcXYfʻZØf
df]j UhYʻ: Y]Yfb"'8]Yʻ; ÀghYʻgWXÀhnYbʻX]Yʻgh]ʻj c``Yʻ9]bf]WXhi b[ʻi bX
X]Yʻ5ha cgd\ÀfY"'A]hʻ, \$) ʻ6Yk Yfhi b[Ybʻi bXʻY]bYf
8 i fWXgWXb]hhgVYk Yfhi b[ʻj cbʻ(ž)ʻGhYfbYbʻ]ghʻYgʻXYZ]b]h]jʻY]b
<][\`][\hii bhYfʻXYbʻI `a YfʻF YghUi fUbhg"'9]bʻni Zf]YXYbYfʻ6Ygi WXYf

### HU^A U\U`. 'HfUX]h]cb'i bX'; UghZfYi bXgWX UZh

# < ]a U`UmU`=bX]Yb`FYghUi fUbh.: f]gWXY`i bX E i U`]hÀh'j YfY]bh</pre>

8 Ug' < ]a U`UmU' \(\pi \times \times

 $\label{eq:conditional} j\ cb\ '(\ \check{z}\&\ 'GhYfbYb\ ']gh'X]YgYg'FYghUi\ fUbh'YVYbZU``g'gY\ f'[\ YgWX\ \grave{A}hnh'' 6Ygi\ WXYf'`cVYb\ 'VYgcbXYfg'X]Y\ '`YW_YfYb']bX]gWXYb'`GdY]gYb'i\ bX X]Y'gWX UfZY'`Gc<math>\ Y''$ 

#### $8]Y^6YXYI^b b[^XYf^]bX]gWXYb^?ØWXY^]b^T^a$

±bX]gWkY`FYghUi fUbhVYg]hnYf`]b`I`a ``Y]ghYb`Y]bYb`k Yfhj c``Yb
6Y]hfU[ 'ni f'\_i `]bUf]gWkYb`J]Y`ZU`h`i bX`ZÒfXYfb`[ `Y]WknY]h][ 'Y]b
VYggYfYg`JYfghÀbXb]g`Z∅f`X]Y`]bX]gWkY`?i`hi f`Xi fWk`]\fY; Yf]WkhY
i bX`X]Y`; UghZfYi bXgWkUZhž`X]Y`g]Y`]\fYb`; ÀghYb`Ybh[Y[YbVf]b[Yb"

8 YhU1`a

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z 'b!U[ "XY