

5bgQ[ b]b[  
F YZYfYbW'6fYj

F YZYfYbW'6fYj ! i Vb]b[

Hng\_

GY\ f[ YY\ f\Y< Yffž

: cfa Yža UbXY][ 'a cXhU[ YfžbUj b'i \_YbXh

GY\ f[ YY\ f\Y: fU ž

: cfa Yž\_j ]bXY][ 'a cXhU[ YfžbUj b'i \_YbXh

GY\ f[ YY\ f\Y'8 Ua Yb'i bX< YffYbž

: cfa Yža cXhU[ Yf'bUj b'c[ '\_Ab'i \_YbXh

GY\ f[ YY\ f\Y'8 Ua Yb'i bX< YffYbž

: cfa YžbÁf'a Ub'\Ybj YbXYf'g][ 'h` UXg\_``][ Y'a YbbYg\_Yf'Y`Yf'Yb'\Y\_UXXY]b[

GY\ f[ YY\ f\Y'8 Ua Yb'i bX< YffYbž

: cfa Yža cXhU[ Yf#b cXhU[ YfY'bUj b'c[ '\_Ab'z` XghÁbX][ 'i \_YbXh

GY\ f[ YY\ f\Yf< Yff'GWa ]Xhž

: cfa Yž\_j ]bXY][ 'a cXhU[ Yfž[ ]ZžbUj b'\_YbXh

GY\ f[ YY\ f\Y: fU 'GWa ]Xhž

: cfa Yž\_j ]bXY][ 'a cXhU[ Yfžg]b[ `YžbUj b'\_YbXh

GY\ f[ YY\ f\Y: fU 'GWa ]Xhž

: cfa Yž\_j ]bXY][ 'UžU YžbUj b'\_YbXhžWj ]'ghuh g'i \_YbXh

=W'gh^Y'gYf[ YfbY'Ug'F YZYfYbn'Zof'`ni f

J YfZ[ i b[ "

6fi [ hgca 'Yb'ÁVb]b[ g'ZfUgY'bÁf'Yb '\Uf'bmxhUhUfVY'XY'a YX'XYb'dYfgcb'gca '\UbA i b'g\_f]j Yf'ca

=W'UWY`ni Yfgh]b` \_YbbYb[ YYfblžUg'Yf`

W]hfU`"

6fi [ hñ`Uh[ ]j Y'XYhU Yf'ca 'j cfXUb'Yb'\_YbXYf'\_UbX]XUhYb

# 5bgQ[ b]b[ F YZYfYbW'6fYj

""".Vuhā ]W i a 'Y]b'9a dZΛ`i b[ ggWkfY]VYb'ZOF'gY]bY  
6Yk YfVi b[ 'Ug""".=W ZYi Y'a ]W gYfzX]Yg'`]Yfa ]h  
h b ni \_QbbYb"

6fi [ hgca 'Yb'ÁVb]b[ g'ZFUgY'bÁf'Yb'\UF'bmXhUhUFVY'XY'a YX'XYb'dYfgcb'gca '\UbA i b'g\_f]j Yf'ca

8]Y'5fV]hUg'7\YZ#J cf[ YgYhnhYf'#? c`Y[ Yj cb  
gY]h"""\Uha ]fj ]Y': fYi XY'WfY]Hh"

6fi [ hgca 'Yb'ÁVb]b[ g'ZFUgY'bÁf'Yb'\UF'bmXhUhUFVY'XY'a YX'XYb'dYfgcb'gca '\UbA i b'g\_f]j Yf'ca

=W ZYi Y'a ]WzX]YgYg'9a dZΛ`i b[ ggWkfY]VYb'ZOF"""  
j YfZUggYb ni 'XOFZYb"=b X]YgYa 'GWFY]VYb'a ČWYh  
]W'a Y]bYb'F YgdY\_hi bX'a Y]bY'6Yk i bXYfi b[ 'ZOF  
X]YgMb'1 b[ Yb'A Ubb'#X]Yg'1 b[ Y: fU 'ni a  
5i gXfi W'Vf]b[ YbžXYf'#X]Y'Y]bYb'\YfU gfu[YbXYb  
6Y]fU' 'ni f'5fVY]ha Y]bYf'; fi ddY[ Y'Y]gYh\Uh"

6fi [ hgca 'Yb'ÁVb]b[ g'ZFUgY'bÁf'Yb'\UF'bmXhUhUFVY'XY'a YX'XYb'dYfgcb'gca '\UbA i b'g\_f]j Yf'ca

GYf'[ YfbY] YfZUggY]W'XUg'9a dZΛ`i b[ ggWkfY]VYb  
ZOF"""

6fi [ hgca 'Yb'ÁVb]b[ g'ZFUgY'bÁf'Yb'\UF'bmXhUhUFVY'XY'a YX'XYb'dYfgcb'gca '\UbA i b'g\_f]j Yf'ca

9g]ghia ]f'Y]bY'[ fc»Y: fYi XYžY]b  
9a dZΛ`i b[ ggWkfY]VYb'ZOF""".ni 'j YfZUggYb"""

6fi [ hgca 'Yb'ÁVb]b[ g'ZFUgY'bÁf'Yb'\UF'bmXhUhUFVY'XY'a YX'XYb'dYfgcb'gca '\UbA i b'g\_f]j Yf'ca

=W \_YbbY""".gY]h""".zUg'Yf'#g]Y'Y]bYb'? i fg'VY]a ]f  
VY'Y]H#VY[ UbbžUg""".ni 'UfVY]Hb"

6fi [ h]`Uh[ ]j Y'XYhU'Yf'ca '\j cfXUb'Yb'\_YbXYf'\_UbX]XUhYb

=W \_YbbY""".gY]h""".]b'a Y]bYf'HÀH][ \_Y]hUg""".VY]"

6fi [ h]`Uh[ ]j Y'XYhU'Yf'ca '\j cfXUb'Yb'\_YbXYf'\_UbX]XUhYb

=W k UF'j cb""".V]g""".7\YZ#J cf[ YgYhnhYf'#? c`Y[ Y'#  
@YfYf'j cb""".

6fi [ h]`Uh[ ]j Y'XYhU'Yf'ca '\j cfXUb'Yb'\_YbXYf'\_UbX]XUhYb

""".UFV]HhY'ZOF'a ]W'Ug""".Ub'i bHfgW]YX]WYb  
Dfc'Y\_hYb"5i Z; fi bX'U[YgY]bYf'#[\fYf'5fVY]h  
k OFXY]W' ]\b'#g]Y'Ug'Y]bYb'#[Y]bY'XYf'VYgYb"""  
Y]bgW'AhmYbzXYf'#[X]Y'V]g'Ub[ 'ZOF'i bg'[ YUfVY]Hh\Uh"

6fi [ hgca 'Yb'ÁVb]b[ g'ZFUgY'bÁf'Yb'\UF'bmXhUhUFVY'XY'a YX'XYb'dYfgcb'gca '\UbA i b'g\_f]j Yf'ca

5bḡ[ b]b[  
F YZYfYbW'6fYj

F YZYfYbW'6fYj !: Âfx][ \YXYf

Hng\_

GYjh6Y[ ]bb'i bgYfYf'Ni gJa a YbUfVYjh\UVY]W' ]\b' #  
g]Y'Ug'""DYfgcb'\_YbbYb[ YYfbh"

Fi gg\_

#

6fi [ h̄j` UhVYg\_f]j YYhdcgjhj hUgdY\_hUZ\_UbX]XUhbg'dYfgcb'][ \YX

""nY]WbYH'Yf'g]W'XUXi fW'U'ḡXUbg""

""

6fi [ h̄j` UhZcf\_`UfY'XY'dcgjhj Y'\cj YX'Y[ Ybg\_UVYf'gca '\_UbX]XUhbg' \Uf'XYa cbghfYfYh

Ni 'gY]bYb' #] \fYb'[ fO'Yb'GhAf\_Yb'nA\`Yb""

#

6fi [ h̄j` Uhj]gY'\_UbX]XUhbg'\cj YX'gmr'\_Yf

9f'#g]Y']ghY]bfY'fYUjhj fY' DfcV Ya 'OgYff]bE"

#

6fi [ h̄j` UhVYg\_f]j YYb'\_UbX]XUhigca 'WfYXj ][ hUWdHfYf'c[ ``OgYf'i XZcfXf]b[ Yf

9f'#g]Y'j YfZ[ hO'Yf'Y]b'j ]YZA'h[ Yg'GdY\_hfi a 'Ub

#

: A\][ \_Y]hYb"

6fi [ h̄j` UhVYg\_f]j YYb'\_UbX]XUhigca 'Uf'Ug]X][ YZAfx][ \YXYf

9f'#g]Y'\_ca a i b]n]YfhgY]bY' #] \fY'XYb'\_`Uf'i bX

#

XhjW"

6fi [ h̄j` UhVYg\_f]j YYb'\_UbX]XUhigca 'YX'cXY'\_ca a i b]\_Uh]cbgYj bYf

9f'#g]Y'\_ubb'a ]hj YfUbhk cfh b[ 'i hi a [ Y\Yb"

#

6fi [ h̄j` UhVYg\_f]j YYb'\_UbX]XUhigca 'Yf'cX'h` UhgmfY'YhUhia '#dfc'Y\_hic' gca 'UfVY'XYf'cXhi bXYf'dfYg

9f'#g]Y'j YfZ[ hO'Yf'Y]b'VfY]hYg'K ]ggYb' ]b""

#

6fi [ h̄j` UhVYg\_f]j Y'j ][ \_Y'ZAfx][ \YXYf'Yb'\_UbX]XUhU'YfYXY'\_Ub'h]VnXY

9f'YfZUgghibYi Y? cbnYdH'Äi »YfghgWbY` i bX'jh

Z

XUfO'Yf'\]bU g'cZZYb'ZOF'\_cbghfi \_hj Y? fjh\_i bX

5 ba Yf\_i b[ Yb'ni 'gY]bYf'5 fVY]h

6fi [ h̄j` UhVYg\_f]j YYb'XfYj Yb'c[ XmbUa ]g'\_UbX]XUhza Y[ YhfcgYbXY

5b'X]YgYf'Gh'`Y'a O'N'Y']W'Uba Yf\_Ybz'XUbg'""']gh

Z

i bX'XjY': A\][ \_Y]hVYg]hMz""

6fi [ h̄j` Uh[ j] Y'gdWY[Z]\_\_Y'XYhU'Yf'Ub[ ÄYbXY'Yb'\_UbX]XUhg'Yj bY'h` Uh[ ÖfY'bc[ Yh

# 5bḡ[ b]b[ F YZYfYbW6fYj

GY]bY'#]\`fY'U » Yf[ Yk Ønb`]WY: Á\][ \_Y]h̄'žk Uf  
j cb'[ fc» Ya 'K YfK'

6fi [ h̄]`UhVYg\_f]j YYb'\_UbX]XUhg'VYXghY\_j U]h̄h

9f'#g]Y'\Uh]b'`ghYg'Y]bY'U\_hj Y'F c``Y  
Y]b[ Ybca a Yb"

6fi [ h̄]`UhVYg\_f]j YYb'\_UbX]XUhXYf'Yf'U\_hj 'c[ '\_Ub`]XY'Uhj ÁfY']bj c`j YfYh]g]hUfVY'XY

9f'#g]Y'\À'hig]W'ghYg'Ub'HYfa ]bU/gdfUW'Yb"K Ybb  
Yf'#g]Y'Y]b'5b`]Y[ Yb'cXYf'Y]bY'F ØW\_ZfU[ Y'ni 'Y]bYf  
5i Z[ UW'\UhZgdf]W'hYf'#g]Y'X]Yg'\_`Uf'i bX'XYi h]W  
Ubži bX[ ]VhXla ]jhUbXYfYb'Y]bY'Ghja a YžX]Y'nk Uf  
Á\b`]W'Ya dZ]bXYbžX]Yg'UVYf'b]W'hgU[ Yb'\_ÓbbYb  
cXYf'k c``Yb"

6fi [ h̄]`UhVYg\_f]j YYb'XfYj Yb'c[ 'Xnþla ]g'\_UbX]XUhža Y[ YhfcgYbXY

## F YZYfYbW6fYj ! 5fVY'Xgca fÁXYf

### Hnḡ

K Á\YfYbX'gY]bYf'#]\`fYf'NY]h'VY] i bg`\UhYf'#g]Y'`  
8]Yg'J YfUbhk cfh b[ 'i a ZbggYb`"

6fi [ h̄]`Uh[ ]j YYb`]ghY'cj Yf'`j ]\_Y'cd[ U]Yf'Yb'\_UbX]XUh\UF'dÁhU[ Yhig][ 'c[ 'j UX'XY'`j Yf']gÁf']bXYVUF

Ni 'g]bYb'#]\`fYb'k ]W'h][ ghYb'J YfUbhk cfh]W'\_Y]h̄b  
nÁ\`hYb`"

6fi [ h̄]`Uh[ ]j YYb`]ghY'cj Yf'`j ]\_Y'cd[ U]Yf'Yb'\_UbX]XUh'dÁhC[ 'g][

GY]bY'#]\`fY'k ØW'Ybh]WYb'5i Z[ UWb'i a ZbggYb`"

6fi [ h̄]`Uh[ ]j YYb`]ghY'cj Yf'i [ Ybh][ Y'cd[ U]Yf'gca 'Yb'\_UbX]XUh'dÁhC[ 'g][

## F YZYfYbW6fYj ! 9j Uí Yf]b[

### Hnḡ

=W'a ØW'Y'VYhcbYbžXUhg'Yg'Y]bY': fYi XY'k Ufža ]h`"

ni 'UfVY]hYb"9f'#g]Y'ghY]bYj Yf'Agg]WY'i bX'\_i [ Y

DYfgcb'a ]hY]bYa 'U g[ YdfA[ hYb'G]bb'ZØf<i a cf"

6fi [ h̄]`Uh[ ]j YYb'dcg]hj 'Yj Uí Yf]b[ 'U'Yb'\_UbX]XUh

K Ybb'gY]bY'#]\`fY'@Y]gh b[ 'j b'i bgYfYa

I bYfbY\ a Yb'Ug'=bX]n'ZØf'gY]bY'#]\`fY'@Y]gh b[ 'W]

=bYb' [ Y hYb'\_UbbzXUb b'k ÁfY'Yf'#g]Y'Y]bY'W\hY

6YfY]WYfi b[ 'ZØf=ÁfY': ]fa U'

### Figgl

# #

#

#

### Figgl

ž ž

#

ž

#

**bab.la** 

5bgâ[ b]b[  
FYZYfYbW'6fYj

# 5bḡ[ b]b[ F YZYfYbW'6fYj

6fi [ h̄j` Uh[ ]j YYb'a Y[ Yhdcgjhj 'Yj U i Yf]b[ 'UZYb'\_UbX]XUh

A Y]bYf'A Y]bi b[ 'bUW ]gh`'''Y]b'gMfZY»][ Yf'i bX  
Y][ Ybj YfUbhk cfh]WYf'A ]hUWY]HfzXYf'Y]b'DfcY\_h  
gYhg]b'gY]bYf'; AbnYXi fWYXf]b[ h̄

6fi [ h̄j` Uh[ ]j YYb'a Y[ Yhdcgjhj 'Yj U i Yf]b[ 'UZYb'\_UbX]XUh

'''']YZYfhgY]bY'5 fVY]hU gblua 'cg'ei U]hUj  
\cWk Yfjh[ 'i bX'hYfa ]b[ YfYWWhiU"

6fi [ h̄j` Uh[ ]j YYb'dcgjhj 'Yj U i Yf]b[ 'UZYb'\_UbX]XUh

8]YY]bn][ Y'GWk ÁWYzX]Y]W h̄i 'gY]bYf#]\fYf  
@Y]gh b[ 'uba Yf\_Yb'\_Ubz̄k Uf'''

6fi [ h̄j` Uh[ ]j YYhbY] Uhj hUgdY\_hj YX'Yj U i Yf]b[ 'UZYb'\_UbX]XUh

A Y]bYf'A Y]bi b[ 'bUW 'gc`'hY'''XYb'J cfni [ 'j cf  
UbXYfYb? UbX]XUhYb'Yf\Uhbz̄k Y]''''

6fi [ h̄j` UhUbVYZU Y'\_UbX]XUhYb'dA'[ fi bX'UZYgYha HY'[ fi bXYzYb'a Y[ Yhdcgjhj 'a ÁXYUhYj U i YfY'Yb'\_UbX]XUh'dA

# F YZYfYbW'6fYj !'5Zgi hb]b[

## Hnḡ

'''k ÁfY'Y]bY[ fc»Ufjh[ Y'6YfY]WYfi b[ 'Zf'Δf  
Dfc[ fUa a "': Øf'k Y]hYfY'=bZcfa UhcbYb'gHAY']W  
=bYb'[ YfbY'dYf'9a U]`cXYf'HYYZcb'ni f'J YfZØ[ i b[ "

## Figgl̄

6fi [ h̄j` UhUzgi H̄Y'Yhdcgjhj hfYZYfYbW'VfYj

=W' [ YY'a Y]bY'bUWXXfØW']WY'9a dZΛ' i b[ 'Zf'''  
UW'9f'#g]Y'k ÁfY'Y]bY'6YfY]WYfi b[ 'Zf'Δf  
Dfc[ fUa a "

6fi [ h̄j` UhUzgi H̄Y'Yha Y[ Yhdcgjhj hfYZYfYbW'VfYj

=W'V]b'ni j Yfg]Wkh]WZXUgg''''.U' W'ni \_Øbz̄h[ 'gMf  
'Y]gh b[ ggUf'\_gY]b'k ]fX''9f'#g]Y'Uh'a Y]bY'\ØNgY  
9a dZΛ' i b[ "

6fi [ h̄j` UhUzgi H̄Y'Yha Y[ Yhdcgjhj hfYZYfYbW'VfYj

=W'\_Ubb']\b'#g]Y'c\bY'YYb'J cfW\UhgY\ f  
Ya dZΛ'Yb": Øf'F ØWZfU[Yb'gHAY']W'ΔbYb'[ YfbY  
dYf'9a U]`cXYf'HYYZcb'ni f'J YfZØ[ i b[ "

# 5bḡ[ b]b[ F YZYfYbW'6fYj

6fi [ h̄j` UhUzḡ i H̄Y YhY\_ḡfYa hdcḡh̄j hfYZYfYbW'VfY]

=W[ `U VY ZYghUb'ḡY]bY#] fY U »Yf[ Yk Øb`]WYb  
: A][ \_Y]h̄b'Ug`"" i bX Ya dZM`Y] \b`#ḡY  
bUMXfØW`]W ni f'K Y]h̄fV]Xi b[ 'Ub`A fYf  
I b]j Yfḡh̄h̄k c Yf`#ḡYḡW k Y]h̄fYbHk ]W`Yb i bX  
ḡY]bY#] fY HU YbH Y]bḡYh̄Yb \_Ubb"

6fi [ h̄j` UhUzḡ i H̄Y YhY\_ḡfYa hdcḡh̄j hfYZYfYbW'VfY]

9ḡ]ghia ]f'Y]bY[ fc»Y: fYi XYž] \a '#] \f'a Y]bY  
ØWḡY'9a dZM`i b[ 'U gni gdfYWYb" =W`cZZYžXUgg  
X]YḡY' bZcfa Uh̄cb ZØf'G]Y`] ZfY]W`]gh'

6fi [ h̄j` UhUzḡ i H̄Y YhY\_ḡfYa hdcḡh̄j hfYZYfYbW'VfY]

=W`\_Ubb`"" bUMXfØW`]W`Uḡj ]Yj YfgdfWYbXYb  
? UbX]XUh̄b`Ya dZM`Yb"

6fi [ h̄j` UhUzḡ i H̄Y YhY\_ḡfYa hdcḡh̄j hfYZYfYbW'VfY]

=W`UYḡh̄bX]Y; YY[ Yb\Y]h̄`Ya UbXYb  
j cfWUUhcḡni 'Ya dZM`Yb" 8 U`Yf`]ghYga ]f'Y]bY  
[ fc»Y: fYi XYžX]Yḡ]a : U`Yj cb`"" h̄ b`ni '\_ObbYb"  
6fi [ h̄j` UhUzḡ i H̄Y YhY\_ḡfYa hdcḡh̄j hfYZYfYbW'VfY]

=W`fYgdY\_h̄YfY`"" Uḡ? c`Y[ Yb`#? c`Y[ ]b/h̄fchñXYa  
a i gḡ]W`A bYb`Yf]WYfk Y]ḡY'a ]h̄Y`YbžXUgḡ]W  
]b`#ḡY]ZØf`A f`l bH̄fbY'a Yb`Y]XYf'b]W  
Ya dZM`Yb`\_Ubb"

6fi [ hbAf`Yb`]\_Y]ZØYf`Uh\_UbX]XUh̄b`Yf'dUgḡYbXY'h̄`^cWYh

: Øf'k Y]h̄fY: fu[ Yb`ḡh̄Y]W`A bYb`[ YfbY`ni f  
J YfZØ[ i b[ "

6fi [ h̄j` UhUzḡ i H̄Y Yhdcḡh̄j hfYZYfYbW'VfY]

: Øf'k Y]h̄fY' bZcfa Uh̄cbYb`ḡh̄Y]W`A bYb`[ YfbY`ni f  
dYf'6f]YZ#9a U`ni f'J YfZØ[ i b[ "#Ma U`ž

6fi [ h̄j` UhUzḡ i H̄Y Yhdcḡh̄j hfYZYfYbW'VfY]