

=a a][fUh]cb

6Ub_



6Ub_! '5`a Àbh

GdUbg_U

~Di YXc'gUWf'X]bYfc`Yb`fdUÉg:glb`dU[UF
Vta]glcbYg3

: fÁ[Uca `XhÁf`Yi hfU`_cgbUXYf`bÁf`Xi `hUf`i hidYb[UF`]Ythj]ggh`UbX

8Ubg_U

? Ub`Y[`Áj Y`dYb[Y`]`OubXQ` XYb`Uh`VhU`Y[`WmfYf`3

~7i ½Yg'gcb`Ug`Vta]glcbYg'dcf`i`gUf`W`Yfcg
U hca ½]Vtg`XY`chfcg`VubVtg3

: fÁ[Uca `Uj []ZhfUca `Xi `hUf`i hidYb[UF`dÁ`Yb`UobU`Vub`_`Áb`X]b`Y[Yb"

<j UX`Yf [`WmfYfbY`Áj]g`Y[`Vfi [Yf`Y`gYfbY
`Áj`U`hca`Uhf`3

6Ub_! '2 ddbU`Yth`Vub__cbhc

GdUbg_U

A Y[i`gUfÉU`Wf]f`i`bU`W`YbU`VubWf]U`
5b[YX]b`Uj`g]_hUth`ÒddbU`Yth`Vub__cbhc

8Ubg_U

>Y[j] [`YfbY`ÁVbY`Yb`Vub__cbhc"

A Y[i`gUfÉU`WffUf`a`]`W`YbU`VubWf]U`
5b[YX]thi`Uj`g]_hUth`g`Áb[U`X]th`Vub__cbhc

>Y[j] [`YfbY`i`__Y`a`]b`Vub__cbhc"

~Di YXc`UWf]f`i`bU`W`YbU`VubWf]U`dcf`=bYfbYh3
: fÁ[Uf`ca`Xi`_`Ub`_`ÒddbU`Yth`Vub__cbhc`cb`]bY

? Ub`Y[`ÁVbY`Yb`Vub__cbhc`cb`]bY3

~A`Y`XUf`b`i`bU`hUf`Yh`XY`XÁV]hc`c`i`bU`hUf`Yh`XY
WÁX]hc3
: fÁ[Uj]`_Yb`hmd`Uj`Vub__cfhXi`ZÁf`a`YX`X]thi`cbhc

J]`Y[`ZÁ`Yh`Áj`Y`_cfhY`Yf`Yh`fYX]h`_cfh3

~Di YXc`UWfYf`Ua`]`W`YbU`XYg`XY`Y`a`]j]`3
: fÁ[Uca`Xi`_`Ub`Ubj`ÁbXU`X]b`a`cV]`ZÓf`Uthi`hZÓf`U`Vub`_`ÁfYbXYb

? Ub`Y[`c[[Y`dÁ`Vub`_`Yb`Zf`U`a`]b`h`Y`Zcb3

~E`i`Á`h]dc`XY`W`YbU`g`VubWf]U`g`c`ZfY`Wb3
: fÁ[Uj]`_Yb`hmd`Uj`Vub__cbhc`b`gca`Z]bbg

<j]`_Y`hmdYf`Vub__cbh]`h]`Vh`XYf`=3

W`YbU`Vzff]YbY
? cbhc`hmd

[]fc`_cbhc

W`YbU`XY`U`c`ffcg
? cbhc`hmd

cdgdUf]b[g`_cbhc

⇒ a a][fUh]cb
6Ub_



WYbHJ'dYfgcbU ? cbrchmd	dYfgcb`][`cbhc
WYbHJ'Vtb'f bHJ ? cbrchmd	ZÃ``Yg_cbhc
WYbHJ]bZUbh` ? cbrchmd	VÔfbY_cbhc
WYbHJ'Yb'a cbYXU'YI fU'YFU ? cbrchmd	i XYb`UbXg_j Ui HJ_cbhc
WYbHJ'Vta YfVJU ? cbrchmd	Yf\j Yfj g_cbhc
WYbHJ'dUFU'Ygi X]UbHYg ? cbrchmd	gi X]Y_cbhc
~ < Umel Y'dU[Uf'Vta]g]cbYg'a Ybg UYg3 : fÁ[U'ca 'XYhÁf'bÁ[fU'a ÁbUXg_cgfbUXYf'ZÖf`_cbhch	9f'XYf'a ÁbYX`][Y'ca _cgb]b[Yf3
~ 7i ½Yg'gcb``Ug'Vta]g]cbYg'dcf``Ug'hfUbgZYfYbVUg]bhYfbU'YcbUYg3 : fÁ[U'ca 'Uj []ZYf'ZÖf']bhYfbU]cbY`U'Öj YfZÖf]b[Uf	<j UX'Yf`_ca a]g]cbYb'Zcf']bhYfbU]cbUY'cj YfZÖf'Yf3
~ < UmU [Öb'gy[i fc'Yb'Wgc'XY'fcVc'c'dÁfX]XU'XY'a] HUF'YHU3 : fÁ[U'ca 'XYhZ]bbg'Yb'ZÖfg_Á_f]b['ca 'X]thi_cfhV]f'VcfhtUddU'hY`Yf'gi `Yh	9f'XYf'bc[Yb'Zcfg_l]b[`j]g'Y['a]g'Yf Y`Yf'ZÁf'a]h_cfh gh'Á'Yh3
~ 8Ub'i gYXYgi b'HJcbUF]c'XY'WYei YgVtb``U WYbHJ3 : fÁ[U'ca 'Xi 'ZÁf'YhWYVW\`ÁZHY'a YX'X]thi_cbhc	A cXHU[Yf'Y[YhWYVW\`ÁZHY3
~ 7i ½Yg'gcb``Ug'HUgUgXY]bhYfÁg'gcVfY'Y`U'cffc3 : fÁ[UYZYf']bZcfa U]cb'ca `gdUffÁbHUb	<j UX'Yf'cdgdUf]b[gfYbHYb3
~ 7I a c'a Y'di YXYb'dfchY[Yf'XY`cg'ZFU XYg3 : fÁ[Uj]`_U'ÁH[ÁfXYf'VUb_Yb'HUf'ca 'Xi 'Áf'YthcZZYf'ZÖf'YhVYXfÁ[Yf]	DÁ`j]`_Yb'a ÁXY`_Ub`=VYg_nthY'a]['a cX'g]bXY3

=a a][fUh]cb
6Ub_



<Y'dYfX]Xc'a]'hUF'YHU'XY'WfAX]hc"
5 b[Y'UthXi '\UF'hUddUhVcfhX]h_i_fYX]h_cfh

>Y['\UF'a]gYhia]h_fYX]h_cfh

A Y'\Ub'fcVUXc''U'fUF'YHU'XY'WfAX]hc"
5 b[Y'UthX]h_i_fYX]h_cfhAf'ghi `Yh

A]h_fYX]h_cfhYf `V'Yj YhghA`YH'

`Di YXYb'V'cei YUF'a]'WYbhu3
: fA[U'ca `VUb_Yb`_Ub'gdAffUX]h_i_VUb__cbhc

? Ub'=:gdA`ffY'a]b`_cbhc3

B YWg]hc'i bU'fUF'YHU'bi Yj U'
5 b[Y'UthXi `V\Q` Yf'Yhbnthi_cfhZOf'UthXi `]bY''Ab[fY'\UF'X]h_i_cfh

>Y['\UF'Vfi [`Zcf `Yhbnthi_cfh'

6Ub_! `9_cbca]g_ `A`d

GdUbg_U

A Y'[i g'fUFÉU']bZcfa Ufa Y'gcVfY'g' g'dfA`gla cg'
: fA[U'ca `]bZcfa U]cb'ca `Ab

8Ubg_U

>Y[j] [YfbY'\Uj Y']bZcfa U]cb'ca `Ab"

`7i ½Yg'gcb'g' g'hUgUg'XY']bYfA`g3
: fA[UYZYf']bZcfa U]cb'ca `fAbhU

<j Ux`_Ub'Xi `ZcfhA`Y'a] [`ca `fYbYgUjYb3

A Y'[i g'fUFÉU']bZcfa Ufa Y'gcVfY'g' g'\dchYWUg'
: fA[U'ca `]bZcfa U]cb'ca `VcghUXg`Ab

>Y[j] [YfbY'\Uj Y']bZcfa U]cb'ca `df]cf]hYhg`Ab"

A Y'[i g'fUFÉU'\U'UF'Veb'i b'UgYgcf'\dchYWUf]c"
6Y'ca `UthZÁ'hu'U'a YX'Yb']bYVW_b]b[g'AX[]j UfY

>Y[j] [YfbY'huY'a YX'Yb`df]cf]hYhg`Abgf`AX[]j Yf"

A Y'j cmiU'Vta dfUF'a]'df]a YfU'WUgU'
5 b[Y'UthXi `_OdYf'X]h_i_ZOfghU`Ya

>Y[`_OYf'a]h_ZOfghU`Ya "

A Y'j cmiU'Vta dfUF'i bU'gy[i bXU'fYg]XYbV]U'
5 b[Y'UthXi `_OdYf'X]b`UbXfU'VcghUX

>Y[`_OYf`Yb`UbXYb`Y`YbXca "

A Y'[i g'fUFÉU'fY\dchYWUf'a]'WUgU'
5 b[Y'UthXi `j] `huYhbnthiVc`Ab

>Y[j] [YfbY[Yb`AbY"

A Y'[i g'fUFÉU'fY]gUf'a]'\dchYWU'Uth U"
5 b[Y'UthXi `j] `c`U][Ybca `X]h_i_VcghUXg`Ab

>Y[j] [YfbY[YbbYa [Á'a]hY_g]ghYfYbXYdf]cf]hYhg`Ab"

=a a][fUh]cb
6Ub_

J cmiU'Vta dFUF'i bU'dfcd]YXUX'dUFU'Uei]'UF'U'
5 b[Y'UthXi ' _CdYf'Yb'VcghUX'ZÖf'i h\mfib]b[

>Y['_ÖVf'Yb'Y'YbXca 'h]'Uh'YYj]XYfY'

A]g]b[fYgcvfi hcgUbi UYg'UgV]WbXYb'U'SSSSSSSS"
5 b[Y'X]b'Áfg'Öb

A]b'gUa `XY'Áfg]bX_ca ghYf 'SSSSSS"

6Ub_!': ÖfgÄ_f]b[

GdUbg_U

A Y'[i gUFÉU'VbhfUF'i b'gY[i fc"
5 b[Y'UthXi 'Áf']bhfYggYfUX'Uj 'Yb'ZÖfgÄ_f]b[

8Ubg_U

>Y[j]' [YfbY'h[bY'Yb'Zcf g_l_f]b["

gY[i fc'XY'\c[UF
: ÖfgÄ_f]b[gmd

=bXVcZcf g_l_f]b[

gY[i fc'XY'j]UY
: ÖfgÄ_f]b[gmd

F Y'gY'Zcf g_l_f]b[

gY[i fc'XY'j]XU
: ÖfgÄ_f]b[gmd

@]j gZcf g_l_f]b[

gY[i fc'XY'gU'i X
: ÖfgÄ_f]b[gmd

Gn]Y'Zcf g_l_f]b[

gY[i fc'XY'VtWXY
: ÖfgÄ_f]b[gmd

6]Zcf g_l_f]b[

gY[i fc'XY'a UjVtUg
: ÖfgÄ_f]b[gmd

< i gXnfigZcf g_l_f]b[

gY[i fc'XY'fcVc
: ÖfgÄ_f]b[gmd

Hnj Yf]Zcf g_l_f]b[

gY[i fc'\]dchYWF]c
: ÖfgÄ_f]b[gmd

Df]cf]hYng'ÁbgYg_ntihY'gY'

gY[i fc'XY'V]YbYg'dUFUYgh X]UbhYg
: ÖfgÄ_f]b[gmd

Gh XYbhYfZcf g_l_f]b[

=a a][fUh]cb
6Ub_



gY[i fc `Vt`YV]j c
: ÖfgÄ_f]b[gmd

; fi ddYZcfg_f]b[

gY[i fc `XY`V]YbYg
: ÖfgÄ_f]b[gmd

G_UXYgZcfg_f]b[

gY[i fc `XY`]bi bXU]cbYg
: ÖfgÄ_f]b[gmd

Cj Yfg Ôa a YgYgZcfg_f]b[

gY[i fc `XY`]bWbX]cg
: ÖfgÄ_f]b[gmd

6fUbXZcfg_f]b[

~ 7i 1bhcga YgYg'a YWVfY`Y`gY[i fc3
: fÄ[U`i f'a Äb[Ua ÄbUXYf`X]b`ZÖfgÄ_f]b[hÄV`Yf

=\j cf`a Ub[Y'a ÄbYXYf`j`]`Y[j ÄfY`XÄ__YhB

~ 7i 1bhc WYgUY`gY[i fc3
: fÄ[U`i f'a mW`YhZÖfgÄ_f]b[Yb`_cgUf

<j cf`a Y[Yh`cgYf`Zcfg_f]b[Yb3