

Gc`]M]h XYg

7 UfHJ'XY'DfYgYbHUM]i b



7 UfHJ'XY'DfYgYbHUM]i b! `=bhf cXi W]i b

F i a Ubc

HUJ'UbXÅg

Ghja UY'8ca bž

: cfa UžXYghjbuUf]c`a UjW`]bcž`bca VfY`XYgVtbcV]Xc

Ghja Uf'8cLa bž

: cfa UžXYghjbuUf]c`ZYa Yb]bcž`bca VfY`XYgVtbcV]Xc

Ghja UY'8ca b#8cLa bž

#

: cfa Užbca VfY`mg]l c`XY`XYghjbuUf]c`XYgVtbcV]Xcg

Ghja U]`8ca bž

: cfa UžU`X]f][`]fgY`Uj Uf]Uj`dYfgcbUj`XYgVtbcV]XUj]c`U`i b`XYdUf]La Ybhc

a`b`UfYb ]U`W]`YghY`]bhYfYgUž

: cfa Užbca VfY`m[`ÅbYfc`XY`XYghjbuUf]c`hc]La YbhY`XYgVtbcV]Xcg

Ghja UY'8ca bi`Y`DcdYgWž

: cfa UžXYghjbuUf]c`a UjW`]bcž`bca VfY`VtbcV]Xc

Ghja Uf'8cLa bB`DcdYgWž

: cfa UžXYghjbuUf]c`ZYa Yb]bcž`W]g]XUž`bca VfY`VtbcV]Xc

Ghja Uf'8ca b]`cUfB`DcdYgWž

: cfa UžXYghjbuUf]c`ZYa Yb]bcž`gc`hYfUž`bca VfY`VtbcV]Xc

Ghja Uf'8cLa bB`DcdYgWž

: cfa UžXYghjbuUf]c`ZYa Yb]bcž`bca VfY`VtbcV]Xcž`YghUxc`V]j`]`XYgVtbcV]Xc

8 fU[ B'5 bXfY]`DcdYgWž

A Ybcg]Zcfa Užg]`gY`U`hYb]Xc`hF]Uc`Vtbc`Y`XYghjbuUf]c`dfY]`]La YbhY

8 cfYgWgB`Ld`]WdYbfi`dcgh`XY`dcghXY`WfY`La

`i`U`U`W`bc`h]b`B`df]b`]bhYfa`YX]i``E`XU`U`XY`

: Ĩ fa i`U`Ygh]bXUf`i`g]XU`W`LbXc`gY`gc`]W]U`i`b`Ya`d`Yc`YbVtbc]hUxc`Yb`i`b`dYf]i`X]Vt`c`fYj`]gU

J B`gW]i`E`Y[ B]h`fB`W`Ubi`b`i`dcghUhdY`

: Ĩ fa i`U`Ygh]bXUf`i`g]XU`W`LbXc`gY`gc`]W]U`i`b`Ya`d`Yc`YbVtbc]hUxc`cb`]bY

# 7 Ufhu'XY'DfYgybhUM]i b

: UWFYZf]fY`U'Ubi b i `8j g'X]b""X]b'XUHU'XY""  
: I fa i `UYghbXUF'i gJXU'dUFUYI d']Wf'X'i bXY'gY'YbWzbfh' Y`Ubi bW]c'dUFU'i b'di Ygtr'XY'fUWU'c

5 a `V]h]hUbi b i `8j g'df]b'WUFY'VZi HU]i b'ca `W  
YI dYf]Yb B'Eb'Xca Yb]i `""Eb'bi a Bfi `""U  
di V]WU]Y]""W'a UfY]bhYfYg'  
: I fa i `UYghbXUF'i gJXU'dUFU'gc`]M]hUf'i b'fUWU'c'YbWzbfhUXc'Yb'i b'dYf]i X]Wz'c'fYj ]gU

7i `XYcgW]h]bhYfYg'Ud']WdYbhf'i `dchg' `XY""gWz'g`U  
Wz'Wf'g'  
: I fa i `UYghbXUF'i gJXU'dUFU'gc`]M]hUf'i b'fUWU'c

5 `Xcf]gB'Ud']WdYbhf'i `dch] ]U'XY""  
: I fa i `UYghbXUF'i gJXU'dUFU'gc`]M]hUf'i b'fUWU'c

a'b'dfYnYbh'i WYn'dYbhf'i "" ]'fYgdcbgUM]`]hB]Y'a Y'Y  
]bW X""  
GY'i gJ'Wz'a c'cfUW]i b]bhf'cXi Wz'cf]U'dUFU'XYgW]V]f'h' ]g]h UW]i b`UWcfU'UW]i U'm'c'ei Y']bj c'i WU

## 7 Ufhu'XY'DfYgybhUM]i b! '5f[i a Ybhcg

### Fi a Ubc

### HU]`UbXAg

Gi bh]bhYfYg'U'Eb'a cX'gdYVWU'XY'UWghidcgh  
XYcUFYW""  
GY'i gJ'dUFU'YI d']Wf'dcf'ei A'ei ]g]YfUg'gc`]M]hUf'i b'di Ygtr'YgdWz]Wz'

5 `Xcf]gB'i WYn'dYbhf'i `Wz'a dUb]U'8j g'XYcUFYW""  
GY'i gJ'dUFU'YI d']Wf'dcf'ei A'ei ]g]YfUg'gc`]M]hUf'i b'di Ygtr'YgdWz]Wz'

Di bWY'a Y'Y'ZcfY'g bh""  
GY'i gJ'dUFU'YI dcbYf'W'1/2Yg'gcb'h' g'df]bV]dU'Yg'Uf]Vi hcg

5 `gdi bY'VZ]g]b[i fi `#]b[i fY'Y'a Y'Y'di bVh  
g]UW#di bWY'g'UWY'Ygh'Y#j bh""'8 Uf']bhYb ]cbYn'gB  
Ea Vi bBfB YgW ]'UWgh'UWgh'Y'UgdYVW'UgdYVW"  
GY'i gJ'dUFU'fYZYI ]cbUf'gcVfY'h' g'di bhcg'XAV]YgZ'dYfc'a cgf'UbXc'ei Y'Ygh'g'XV]X]Xc'U'a Y'cfUf'Yb'YgUg'1/2YUg

5 `Z]dYfgc'UbU'dchf]j ]hB'dYbhf'i `UWghidcgh  
XYcUFYW""  
GY'i gJ'dUFU'YI d']Wf'dcf'ei A'YfYgi b'Vi Yb'Wz'X]XUhc'dUFU'Y'fUWU'c

7 Uf hU`XY`Df Yg Yb hU M]i b

ab`V]i XU`ZLh`i` ]`V]B`bi` `Ua` `c`Yi` dYf]Yb` B`UbhYf]cUfB  
E]b`Xca` Yb]i` `""Z`La` `Uj` i` hrc`h` ]`""

... ..

GY`i` gU`g]` bi` bW`U`Ug`hU`U`U`Xc` `Yb` V]Yfrc` `W]a` dc` `U`c`f`U`Z`d`Y`f`c`d`i` Y`X`Y`g`X`Y`a` c`g`f`U`f` `W`U`]`X`U`X`Y`g`U`d`U`f`h`f` `X`Y`c`f`U`g`  
Yi` dYf]Yb`V]U`g`ei` Y` `U`g`h`b]X`c`

7 U`Z]V]B]`Y`#`5`V]`]`h`B`]`Y`a` Y`Y`d`f`c`Z`Y`g]`c`b`U`Y`g`Y`  
X`c`j` Y`X`Y`g`W`U`Z]`d`c`h`f`j` ]`h`Y`W`f`]`b` Y`c`f`V`t`a` d`U`b`]`Y`]`8`j` g`

GY`i` gU`d`U`F`U`Yi` d`]`W`f`ei` A` `U`M`]`]`X`U`X`Y`g` `U`W`b` `X`Y`h`i` b` `Vi` Y`b` `W`b`X`]`X`U`h`c` `d`U`F`U`Y` `h`f`U`M`U`c`

DY`d`Y`f`]`c`U`X`U`V`h`i`U`a` `i` V`U`h`W`""Z`a` ]`!`U`a`  
E`a` Vi` b`B`B`]`h`E`a` V`c`[`B`]`h`#`I` h`b`g`W`b`c` h`j`b` Y`Y`E`b`  
X`c`a` Y`b]i` `""

... ..

GY`i` gU`d`U`F`U`X`Y`a` c`g`f`U`f` `h` `Yi` d`Y`f`]`Y`b`V]U`Y`b`i` b` V]Yfrc` `W]a` dc` `m`i` `U` `W`d`U`M`]`X`U`X` `d`U`F`U`X`e`i` ]`f`]`f` `b`i` Y`j` U`g` `U`M`]`]`X`U`X`Y`g`

8 ca` Yb]i` `a` Yi` `X`Y`V`U`h`B`Y`g`Y`""

...

GY`i` gU`d`U`F`U`a` c`g`f`U`f` `Y`b`ei` A` `W]a` dc` `h`Y` `U`g`X`Y`g`U`f`f`c` `U`X`c`

7 i` h`c`U`Y`V`B`U`a` `i` V`U`h`E`b` `X`c`a` Y`b]i` `""U`a` `V`B`d`B`h`h`  
W`b`c` h`j`b` Y`U`j` U`b`g`U`Y` `]`E`b`""

...

...

GY`i` gU`d`U`F`U`X`Y`a` c`g`f`U`f` `h` `Yi` d`Y`f`]`Y`b`V]U`Y`b`i` b` V]Yfrc` `W]a` dc` `c` `X`Y`a` c`g`f`U`f` `U` `U`M`]`]`X`U`X` `d`U`F`U`X`e`i` ]`f`]`f` `b`i` Y`j` U`g` `U`M`]`]`X`U`X`Y`g`

7 \]U`f` `]`U`h` b`V]V`B`X` `i` V`Y`n`E`b`h`!`i` b`f`]`h`a` `U`Y`f`h`i`  
b`Y`[` `]`Y`n`U`W`f`U`Y` Y`U`a` i` b`V] `]`d`f`]`b`i` f`a` U`F`Y`V`t`b`g`]`X`Y`f`  
V`B`U` `d`Y`f`g`c`U`b`U`d`c`h`f`j` ]`h`B`d`Y`b`h`f`i` `d`c`g`h` ` `X`Y`""

...

GY`i` gU`d`U`F`U`Yi` d`]`W`f`d`c`f`ei` A` `g`y`f`E`U`g`Vi` Y`b`c` `d`U`F`U`i` b`di` Y`g`h`c` `V`U`g`U`X`c` `Y`b` `U`Yi` d`Y`f`]`Y`b`V]U`c`V`h`Y`b`]`X`U`Y`b` `h`f`U`M`U`c`g`d`f`Y`j` ]`c`g`

7 \]U`f` `]`V`B`X` `i` V`Y`n`g` V`d`f`Y`g`]i` b`Y`d`c`h`a` Y`b` ]`b`Y`  
g`h`U`b`X`U`f`X`Y`Y`a` i` b`V] `]`Z`c`U`f`h`Y`f`]`X`]`W`h`Y`"

GY`i` gU`d`U`F`U`a` c`g`f`U`f` `ei` Y`di` Y`X`Y`g`h`f`U`M`U`f` `Y`b`i` b` `U`a` V`]`Y`b`h`Y` `X`Y`b`Y`[` c`V]`c` `Yi` ]`[` Y`b`h`Y`

Df]b`i` f`a` U`F`Y`U` `U`j` Y`U`c`W`h`]`U`g`B`V`t`a` V`]`b` `X`c`a` Y`b`]]`Y`  
a` Y`Y`X`Y`]`b`h`Y`f`Y`g`W` `U`W`g`h`c`W`X`Y`a` i` b`V]`"

GY`i` gU`d`U`F`U`a` c`g`f`U`f` `ei` Y`d`c`g`Y`g`i` b`]`b`h`Y`f`A`g`d`Y`f`g`c`b`U` `Y`b` `Y` `h`f`U`M`U`c`

5 a` `i` b`f`Y`U`]`b`h`Y`f`Y`g`E`b`"" `]`U` `U`d`f`W`U`Z`c`U`f`h`Y`a` i` `h`  
c`d`c`f`h`i` b`]`h`U`Y`U`#` U`b`g`U`X`Y`U`E`a` ]` `B`f`[` ]` `W`b`c` h`j`b` Y`Y`  
`i` V`B`B`X`d`Y`b`h`f`i` `V`t`a` d`U`b`]`U`8`j` g`

...

GY`i` gU`d`U`F`U`a` c`g`f`U`f` `ei` Y`d`c`g`Y`g`i` b`]`b`h`Y`f`A`g`d`Y`f`g`c`b`U` `Y`b` `Y` `h`f`U`M`U`c`

7 UfHUXY'DfYgYbHUM]i b

8i dß'Wa 'fY]YgY' ]'X]b'7J !i `Uu Uč'Yi dYf]Yb U' ]  
W]Z]Vßf]Y'a Y'Y'gY'dcf]j YgWVf]b Y'cf'dcgi `i ]"

GY'i gJ'dUfU'\UWF'fYgU]Hf'hi 'W'ffÉV'c'mXYa cgfUF'W'½'WdUM]HXC'Yghg'dUfUYgY'di Ygrc

Dcgi `XY''cWdUh`U''a ]!U'cZYf]hcdcfhi b]HUYU'XY'U  
`i VU'Ébf!i b'a YX]i 'gc`]V]hEb'W'FY'gY'di bYU  
UWVbhi `dY`i Vfi `Éb'YV]dßž'a YX]i `i bXY'YgY  
YgYb ]U'gß`i VYn]'YZ]V]YbHÉb'YV]dß'dYbfi 'U'ZUW  
ZU]B'hYfa YbY'cf`]a ]Hß"

GY'i gJ'dUfU'a cgfUF'ei Å'\UW] ]XUXYg'\Ug'cVhYb]Xc'U'dUfh]f'XY'hi 'hfUMU'c'UMh U

DY`~%[ B'fYgdcbgUW] ]Hß ]Y'a Y'Y'W''žUa 'VßdßHhXY  
UgYa YbYU' ]'UW] ]Hß ]Éb'Xca Yb]i `''''

GY'i gJ'dUfU'a cgfUF'\UW] ]XUXYg'UX]V]cbU'Yg'cVhYb]XUg'U'dUfh]f'XY'hi 'hfUMU'c'UMh U''@Ug'\UW] ]XUXYg'di YX'Yb'Yg'Uf  
Ug'V]UXUg'c'bc'Vßb'hi 'W'f[c"

7 UfHUXY'DfYgYbHUM]i b ! < UW] ]XUXYg

F i a Ubc

HUJ`UbXÅg

@]a VU'a YU'buHj B'YgY''žXUf]j cfVYgWZi Ybhi ]''''

GY'i gJ'dUfU'fYZYf]fgY'U`U`Yb[ i U'a U'hfbUmU`Ug'gY[ i bXUg`Yb[ i Ug

Ghßd%YgWZcUfhY'V]bY''''

GY'i gJ'dUfU'fYZYf]fgY'U`Ug`Yb[ i Ug'Yi hfUb'YfUg'ei Y'Xca ]bUg

7i bcgW'U'b]j Y'a YX]i ''''

GY'i gJ'dUfU'fYZYf]fgY'U`Ug`Yb[ i Ug'Yi hfUb'YfUg'ei Y'a UbY'Ug'U'b]j Y' ]bhYfa YX]c

5a ''''U] ]XY'Yi dYf]Yb B'Éb'Xca Yb]i `''''

GY'i gJ'dUfU'a cgfUF`U'Yi dYf]YbV]U'Yb'V]YfUg'½'ÉYUg'XY'bY[ cV]cg

Gi bhii b'i h`]nUhf'Yi dYf]a YbHhXY''''

GY'i gJ'dUfU'fYZYf]fgY'U`gcZk UfY'ei Y'a UbY'Ug

7cbg]XYf'Vß'XY ]b'Vta V]bU ]U]XYU]B'ÉbfY'''' ]''''''

GY'i gJ'dUfU'a cgfUF'W'½'Yei ] ]VfUXUg'gcb'hi g'\UW] ]XUXYg

Gc`]M]h XYg

7 UfHJ'XY'DfYgYbHUM]i b



5 V]`]H] ]'XY'Vta i b]WfY'YI W'YbH'

@J\UW]`]XUX'XY'Vta dUfhf'mYI d`]Wf`]bZcfa UW]i b`U'hi g'Vt`Y[ Ug

; %X]fY'XYXi V]j B'

@J\UW]`]XUX'XY'Vta dfYbXYf'mYI d`]Wf'Vt'gJg'XY'Zcfa U'f%a]XU'miYZV]j U

; %X]fY`c[ ]Vb'

@J\UW]`]XUX'XY'XYgUffc``Uf`]XYUg'dfcd]Ug'XY'Zcfa U'dfYV]gU'mLbU'É]W

5 V]`]H] ]'LbU]H]W'

@J\UW]`]XUX'XY'Yj Ui Uf``U'g]h UW]i b`XY'Zcfa U'a ]bi V]cgJ

5 V]`]H] ]'bHfYdYfgcbU'Y'Vi bY'

@J\UW]`]XUX'XY'a LbY'Uf'Ui b`[ fi dc`XY'Vt`Y[ Ug'mXY'Vta i b]Wf'gY'Vt'b`Y`cg'XY'Zcfa U'YZV]j U

5 V]`]H] ]'XY'bY[ cV]WfY

@J\UW]`]XUX'XY'\UWf'bY[ cV]cg'Vt'b'chfUg'Vta dU' ÉJg'XY'Zcfa U'YZV]j U

5 V]`]H] ]'Éb`UXfYgU'fYU'Vb'fY'i b'di V`]WUf[ "

@J\UW]`]XUX'XY'Vta i b]Wf`]XYUg'XY'Zcfa U'YZV]j U'ZfYbH'Ui bU'U' X]YbV]U

7 UfHJ'XY'DfYgYbHUM]i b!`7 cbW g]i b

F i a Ubc

HUJ`UbXÅg

Gi bhZcUfh'a ch]j Uh ]'Lbh]V]dYn'W' d'BVfY  
UM]j ]HUYU]j Uf]U'f'dY'WfY'i b'dcghÉb'Vta dLb]U'8j g'  
a ]!Uf'cZyf]c"

Gy'i gJ'WUbXc'gY'Vt'bW mY'dUfU'fY]HfUf'Y`XYgYc'XY'fU'U'Uf'dUfU'YgU'Vta dU' ÉU

J BX'bc]`Y'gUfV]b]#W]g]dcgh]W]dY'c' d'fcj cWfY'dY  
WfY'c'Ubh]V]dYn'W' d'BVfY"

Gy'i gJ'WUbXc'gY'Vt'bW mY'dUfU'fY]HfUf'Y`XYgYc'XY'fU'U'Uf'dUfU'YgU'Vta dU' ÉU

5 `Éb]h]a d]bU'W'Vi Wf]Y'dcg]V] ]HUYU'XY'U'X]gW]HU  
W'8j g'dYfgcbU'XYHU]]`Y`Y[ UY'XY'dcgh'

Gy'i gJ'WUbXc'gY'Vt'bW mY'dUfU'g [ Yf]f``U'dcg]V] ]XUX'XY'i bU'YbHfY] ]g]U

5 HU UhgW]gcf]]di H] ]'fY[ Bg]`7J ]i ``a Yi "

: ]fa i `U'Ygh]bXUf'i gJXU'dUfU'Vta i b]Wf'U'Ya d'YUXcf'ei Y'hi `7J `Ygh]bW ]Xc'Vt'b``U'WfHU'XY'dfYgYbHUM]i b

# Gc`]V]h XYg 7 Ufhu`XY`DfYgYbhUM]i b



J B`dchZi fb]nU`fYZf] Y`XY`U`"XUMB`g bhbYWGUFY"  
: Ī fa i `U`Ygh]XUF`i gUXU`dUFU`Vta i b]WV`U `Ya d`YUXcf`ei Y`Ygh]X]gdi Ygnc`U`dfcdcfV]cbUf`fYZfYbV]Ug

F YZf]b Y`Y`dchZi`gc`]V]h`XY`U`"U`"  
GY`i gJ`dUFU`Vta i b]WV`U `Ya d`YUXcf`ei Y`Ygh]X]gdi Ygnc`U`dfcdcfV]cbUf`fYZfYbV]Ug`mU`ei ]Āb`di YXYb`Vt`bhUM]Uf

Gi bhX]gdc]V]`dYbfi `i b`]bhYf] ]i `dY`"U`"  
GY`i gJ`dUFU`]bX]WV`W`V`Xc`Ygh]X]gdc]V]`Y`dUFU`i bU`YbYf] ]gU

J B`a i ` i a YgWdYbfi `h]a di `U`Vt`XU` ]`dYbfi  
V]h]fYU`U` ]W ]Y]"5 hYdhV` ]bhYfYg]dcg]V]` ]hU`Y`XY`U`  
j B`Yi di bY`dYf]gcbU`a ch]j Y`Y`dYbfi `WV`Y`Vt`bg]XYf`  
V]B`g bhidYf]gcbU`dch]j ]hB`dYbfi `U`Wgh]dcg]j J B`fc[  
gB`a B`Vt`bhUM]U` ]`df]b`"U`"  
GY`i gJ`dUFU`XUf`cg`XU`cg`XY`Vt`bhUM]U` ]`mdUFU`U[ fUXYWF`U `Ya d`YUXcf`dcf`hca Uf`Yb`W`YbU`h`i`gc`]V]h`X`XY`Ya d`Yc

7i`g]a Bž  
: cfa U`žbca Vfy`XY`XYgh]bU]Uf]c`XYgVt`bcV]Xc

7i`g]bWV]hU]ž  
: cfa U`ža i mi gUXcžXYgh]bU]Uf]c`Vt`bcV]Xc

7i`fYgdVWž  
: cfa U`žbc`hU`i gUXcžXYgh]bU]Uf]c`Vt`bcV]Xc

HcU]W`Y`Vi bYž  
-bZcfa U`žYbYf]gcV]cg`XY`bY[ cV]cg]ei Y`gY`h`hU`b