

=ba ][ fUM]i b  
9gi X]UF



9gi X]UF ! i b]j Yfg]XUX

Dcfh [ i Åg

š fUWY

; cg]UF]UXY'a Y'a Uf]W`Uf`Ya `i a Ui b]j Yfg]XUXY"

"

.

.

.

=bX]Wf`ei Y`ei ]YfYg'a Uf]W`Uf`Y

; cg]UF]UXY'a Y']bg]WY] Yf`bc`Wfgc`XY  
SSSSSSSSSSSSS"

.

.

.

SSSSSSSSSSSSS"

=bX]Wf`ei Y`ei ]YfYg'a Uf]W`Uf`Y`Yb`i bU]g][ b]i fU

[ fUXi UÅ]c

.

.

H]dc`XY`a Uf]W`U

d] g [ fUXi UÅ]c

.

.

H]dc`XY`a Uf]W`U

D\8

H]dc`XY`a Uf]W`U

hYa dc`]b]Y[ fU

.

H]dc`XY`a Uf]W`U

a Y]c`dYf]cXc

.

H]dc`XY`a Uf]W`U

cb`]bY

.

H]dc`XY`a Uf]W`U

; cg]UF]UXY`Ygh XUF`Ya `g`Ui b]j Yfg]XUXY`dcf  
SSSSSSSSSSSSS"

.

.

.

.

"SSSSSSSSSSSSSSSSSSSSS"

=bX]Wf`U`Xi fUW]i b`XY`h`i `dYf]cXc`XY`]b]YfV]a V]c

i a `gYa YgfY

8 i fUW]i b`XY`U`Yg]ubV]U`Yb`U`i b]j Yfg]XUX`XY`XYgf]bc

=ba ][ fUM]i b  
9gi X]Uf



i a `Ubc`UMXÅ ]Vt

8 i fUM]i b`XY`U`Yg`ubV]U`Yb`U`i b]j Yfg]XUX`XY`XYg]bc

E i U]g`g;c`Ug`fYg`f]ÅÑYg`XY`fUMU`c`dUFU`Ygi XUbHYg3

=bZcfa UfY`XY`Ug`fYg`f]W]cbYg`U`cfU`Yg`dUFU`Ygi X]UbHYg

8 Yj c`UdfYg`YbHUF`Ug`W`d]Ug`Xcg`XcW`a YbHcg`ci `cg  
cf][ ]bU]g3

DFY[ i bHUF`g]`h]YbYgei Y`dfYg`YbHUF`XcW`a YbHcg`cf][ ]bU`Yg`c`Zhc`Wtd]Ug

E i U]g`g;c`cg`fYei ]g]Hcg`XY`UMWggc`1ai b]j Yfg]XUXY3

DUFU`Ugc`]W]hi X`XY`UMWgc`U`U`i b]j Yfg]XUX

J ci `fVWVYf`i a Udfcdcg]U`Zcfa U3

DFY[ i bHUF`g]`fVW]f]g]i bU`W]fU`XY`UMWdHUM]i b

5 i b]j Yfg]XUXY`hLa VÅa `cZYfYW`UMta cXUÅ;c3

DFY[ i bHUF`g]`U`i b]j Yfg]XUX`dfcdcf]cbU`U`c`La ]YbHc

C `Wfgc`hLa VÅa ]bWM ]i a `dYfEc`Xc`XY`Ygh]c3

DFY[ i bHUF`g]`hi `d`Ub`XY`Ygi X]cg`Vt`bHYa d`U`dYf]cXcg`XY`df`W]W]g`dfcZYg]cbU`Yg

< 1ai a `WgHc`dUFU`Ygi XUF`Wta c ]bHYfVLa V]gU`bYg]U  
i b]j Yfg]XUXY3

DFY[ i bHUF`g]`h]YbYgei Y`dU[ Uf`U`a UfE`W`U`Yb`U`i b]j Yfg]XUX`XY`XYg]bc

=ba ][ fUM]i b  
9gi X]Uf



7 ca c' d'cgcc' UMc'a dUb\UF'c' d'fc[ fYggc' XU'a ]b\U  
]bgV]Ä;c#Ubx]XUhi fU3

=bZcfa UfY'XY W'a c' Vcbg' hUF'Y' YghUxc'XY'hi 'gc`]V]hi X

E i U]g'g;c'cg'fYei ]g]hcg'XY`Éb[ i U'dUFU'OÉb[ i U3

O Q

=bZcfa UfY'XY 'b]j Y'XY'X]ca U'bYWWgUf]c'dUFU'gyf'UWdhUxc'Yb`U'i b]j Yfg]XUX

7 ca c' Ä'c'g]gYa UXY'SSSSSSSSSSSSS3

SSSSSSSSSSSSSSSSSSSS

DYX]f`]bZcfa U]i b'gc'VfY'Y'g]gYa U

V]Ä]hc

H]dc'XY'g]gYa U

bchUg

H]dc'XY'g]gYa U

J ci 'fYWWYf'i a U'Wfh]Z]WÄ;c'UWUXÄ ]W]bc'Z]bU  
Xc']bhYV]a V]c3

DFY[ i bhUF'g]fYWW]f]g'i bU'Vcd]U'XY'hi 'Yi dYX]YbY'UWUXÄa ]Vt'U'Z]bU'XY`U'YghU'V]U

E i U' Ä'c'Ygh`c'XY'Ybg]bc3

DYX]f`]bZcfa U]i b'gc'VfY'Y'Ygh`c'XY'Ybg]UbnU

G;c'SSSSSSSSSSSSS'3

SSSSSSSSSSSSSSSSSSSS

DYX]f`]bZcfa U]i b'gc'VfY'Y'Ygh`c'XY'Ybg]UbnU

U `Ug'Yi d'cg]h]j Ug

H]dc'XY'WUgY

gYa ]b]cg

H]dc'XY'WUgY

ba ] [ fUM]i b  
9gi X]Uf



hi hcf]Ulg

H]dc`XY`WUgY

VbZyfAeV]Ug

H]dc`XY`WUgY

E i Y`Wfgcg`g;c`cZYfW]Xcg'dcf`YgVt`Ug`XY`j`Yf;c3

DfY[ i b]Uf`dcf`U`cZYfU`XY`Wfgcg`XY`U`YgWY`U`XY`j`YfUbc

E i UbXc`UWt`bh`Wwa`Ug]dfcj`Ug3

DfY[ i b]Uf`dcf`Y`dYf]cXc`XY`Yi`1/a`YbYg

C bXY`dcggc`YbVt`bfUf`]bZcfa`U`N`Yg`gc`VfY`cg`Wfgcg`X]gcbf]`Y]g3

DfY[ i b]Uf`X]i`bXY`Vt`bgY[ i ]f`]bZcfa`UW]i`b`gc`VfY`Ug`Ug][`bUhi`fUg

< 1/2 a`Vta`d`Yi`c`Ygdcf]j`c`Uei`]3

DfY[ i b]Uf`g]`U`i`b]j`Yfg]XUX`W`Yb]U`Vt`b`]bg]U`UW]cbYg`XY`dcf]j`Ug

7 ca`c`dcggc`a`Y`UZ`]Uf`U`]bg]h]i`]A`N`Yg`Ygi`XUb]h]g3

DfY[ i b]Uf`W]a`c`i`b]fgY`U`Ug`Ugc`V]UW]cbYg`XY`Ygi`X]Ub]h]g

E i U]g`g;c`cg`W`g`cg`XY`j`]XU`Yg]a`UXcg`Ya`U]XUXYQ3

O

Q

DfY[ f`]bZcfa`UW]i`b`gc`VfY`Y`Vt`gh`XY`U`j`]XU`Yb`U`V]i`XUX

9gi X]Uf`!`7i`fgcg`XY`]X]ca`Ug

Dcfh`[i`Åg

š fUWY

# ba ] [ fUM]i b 9gh X]Uf



E i U]g`Éb[ i U]g'dcggc`Ygh XUF`Ya `g U`YgM`U3

• • • •  
• •

-bZcfa UfY`XY`cg]X]ca U]gei Y`gY`di YXYb`Ygh X]Uf`Yb`Y`Wbhf

9I ]gh`i a `hYgY`XY`b] Y`La Ybhc`dUFU`U`U]Uf`a Yi  
b] Y 3

• • • •

DfY[ i bUf`g]`YI ]ghYb`dfi YVUg`XY`b] Y`

Dcggc`a Y`fUbgZYf`f`dUFU`ci ffc`b] Y`gY`c`ei Y`Ygci  
Z]hYbXc`b`c`Zcf`UXYeI UXc`dUFU`a ]a 3

• • • •  
• • • •

DfY[ i bUf`g]`Yg'dcgg]V`Y`WLa V]Ufgy`XY`b] Y`Yb`WUgc`XY`bc`YghUf`V`bYbhc

J cWg`h`a`i a U`XYgM`A`c`XYU`UXU`Xc`W`fgc3

• • • •

DfY[ i bUf`g]`YI ]ghYb`XYgM`dV]cbYg`XYU`UXUg`XY`Ug`U]g] bUhi`fUg

E i U`A`c`b`Öa`Yfc`a`½]a`c`XY`Ui`bcg`dcf`WUggY3

• • • •

DfY[ i bUf`dcf`Y`a`½]a`c`b`Öa`Yfc`XY`Ygh`X]UbhYg`Yb`WUXU`WUgY

E i U]g]g`c`Ug`W`a`cX]XUXYg`XU`YgM`U3

• • • •

DfY[ i bUf`dcf`Ug]bg]U`U]cbYg`XY`Wbhf

J cWg`h`a`V`A`c`f[`U]n`Ua`YI`W`fg`Yg3

• • • •

DfY[ i bUf`g]`Y`Wbhf`c`f[`U]n`U`YI`W`fg]cbYg

E i U]g]dfc[`f`Ua`U]g] cWg`cZYf`W`a`3

• • • •

-bZcfa UfY`gcVfY`cg]dfc[`f`Ua`U]gei Y`gY`cZYf`U`b

## 9gh X]Uf`!`6WUg Dcfh [i Åg

š fUY

=ba ][ fUM]i b  
9gh X]UF



; cg]UF]U'XY'g]M]Yf'ei U]g]g;c'Ug'cdc]fh b]XUXYg'XY  
Z]bLbV]Ua Ybrc"

DYX]f' ]bZcfa UM]i b'gcVfY'Z]bLbV]UM]i b

E i U]g]i f[ c]cg'dcXYa 'Z]bLbV]UF'a Yi g'Ygh Xcg3

DfY[ i b]UF'ei Å'cf[ Ub]ga cg'di YXYb'Z]bLbV]UF'hi g'Ygh X]cg

DfY]V]gc'XY'U | É]c'Z]bLbW]fc'dUFU'SSSSSSSSSSSSS"

"SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS"

=bX]W]f'ei Y'bYW]g]h]g]Lhi XU'Z]bLbV]YFU

a Ybg]U]XUXYg

5 ei Y`c'dUFU`c'ei Y'bYW]g]h]g]Lhi XU'Z]bLbV]YFU

XYgdYg]Uj'XY'g] Vg]gh]b]V]U

5 ei Y`c'dUFU`c'ei Y'bYW]g]h]g]Lhi XU'Z]bLbV]YFU

W]XUXcg] ]bZ]bh]g

5 ei Y`c'dUFU`c'ei Y'bYW]g]h]g]Lhi XU'Z]bLbV]YFU

E i U]g]g;c'cg]h]dcg'XY'Vc`g]Uj'X]g]cb]f] Y]g3

DYX]f' ]bZcfa UM]i b'gcVfY'V]W]Uj

9gh X]UF'! '7 cbj U]XUM]i b'XY'h]h]i `cg]Yi hfUb`Yf'cg

Dcfh [ i Åg

š fUWY

9i [cg]UF]U'XY'j U]XUF'a Yi 'X]d'ca UYa 'd]UÉ]g

"O Q

=bX]W]f'ei Y'ei ]YfYg'V]b]j U]XUF'hi 'h]h]i `c'UM]X]Åa ]V]U`Yb`Y`d]UÉ]g'XY'XYg] ]bc

ba ][ fUM]i b  
9gi X]Uf



J cWg]Ya i a U`]gU'XY'hfUXi hc'fYg'Wfh]Z]WUXcg'Ya  
OÉb[i UCB

O Q

DfX]f'i bU`]gU'XY'hfUXi Wtc'fYg' fUXcg'Yb`Y`Yb[i U'Y'WtffYgdcX]YbHr

C bXY'dcggc`VtbgY[i ]f'i a `Wfh]Z]WUXc`XY  
Yei ]j U'AV]U3

DfY[i bUf`X]i bXY'VtbgY[i ]f'i b`Wfh]Z]WUXc`XY'Vtbg U]XUM]i b