

# ⇒ a a ][ fU]cb 8cW/a Ybhg



8cW/a Ybhg! ; ÅbÅfU

fi ggY

SSSS'3

8Ya UbXYf'cÖ'fci j Yf'i b'Zcfa i `U]fY

ZfUbÅU]g

CÖgY'fci j Y`Y'Zcfa i `U]fY'dci f`SSSS'3

3

8Ya UbXYf'ei UbX'i b'XcW/a YbhU'ÅhÅ'XÅ`j] fÅ

E i UbX'j chfY'ÖcW/a YbhQU'H]`ÅhÅ'XÅ`j] fÅ'3

0

Q3

8Ya UbXYf'cÖ'i b'XcW/a YbhU'ÅhÅ'XÅ`j] fÅ

CÖj chfY'ÖcW/a YbhQU'ÅhÅ'XÅ`j] fÅ'3

3

8Ya UbXYf`U'XU'Y'XfYl d]fU]cb`Xfii bY'd]ÄW`Xfj]Xybh]hÅ'3

E i Y`Y'Ygh`U'XU'Y'XfYl d]fU]cb`XYj chfY'd]ÄW`Xfj]Xybh]hÅ'3

3

8Ya UbXYf'g]`ei Y`ei fii b'dYi hj ci g]U]XYf'¼fYa d`]f`Y'Zcfa i `U]fY'3

Dci j Yn]j ci ga fU]XYf'¼fYa d`]f`Y'Zcfa i `U]fY'3

SSSSSS3

8Ya UbXYf'ei Y'g'XcW/a Ybhg] ci g'XYj Yn'UddcfHYf

E i Y'g'XcW/a Ybhg]Xc]g`Y'UddcfHYf`dci f`SSSS'3

0

Q

SSSSSS"

G][ b]Z]Yf`W`ei Y]j ci g'XYj Yn'Zci fb]f'dci f`XYa UbXYf'i b'XcW/a Ybh

Dci f`XYa UbXYf`i bfY'ÖcW/a YbhQ]j ci g'XYj Yn'Zci fb]f`U`  
a c]bgSSSS"

0

Q

"

8ÅWUfYf'ei fii b'XY'j cg'XcW/a Ybhg]U'ÅhÅ]j c`Å

A cb# U'ÖcW/a YbhQU'ÅhÅ]j c`ÅfY'`

SSSSSS"

G][ b]Z]Yf'ei Y]j ci g'fYa d`]ggYni bY'XYa UbXY'dci f'h]YfW`dYfgcbbY

>Y'fYa d`]g]W'Zcfa i `U]fY'U`'bca`XY'SSSS"

"

G][ b]Z]Yf'ei Y'Wg]bZcfa U]cbg]gcbhWcbZ]Xybh]Y`Yg`YhbY`gYfcbhdUgWta a i b]ei ÅYg'¼i bY'h]YfW`dU]fY

7Yg]bZcfa U]cbg]gcbhWcbZ]Xybh]Y`Yg`

3

8Ya UbXYf'i b'fYÅi`dci f]j chfY'XYa UbXY

Dci ff]Yn]j ci ga Y'XcbbYf`i b'fYÅi`dci f`W'h]Y'XYa UbXY'3

8cW/a Ybhg!`8cbbÅYg]dYf]gcbby`Yg

⇒ a a ][ fU]cb  
8cW/a Ybhg



fi ggY



# ⇒ a a ] [ f U h ] c b 8 c W a Y b h g



# G]h U]cb'a Uf]a cb]UY	8]j cfVWfVf
G]h U]cb'a Uf]a cb]UY	Yb VzbWV]bU[Y
G]h U]cb'a Uf]a cb]UY	XUbgj bYi b]cb V]j ]Y
G]h U]cb'a Uf]a cb]UY	Yb VzbWV]bU[Y
G]h U]cb'a Uf]a cb]UY	Yb dUfHbUf]UhXca Yg]ei Y

# G]h U]cb'a Uf]a cb]UY	j Yi Z# Yi j Y
3 8Ya UbXYf'¼i bY'dYfgcbbY'gj`Y`Y`U`XYg`YbZLbhg	J ci gUj Yn'XYgYbZLbhg3
! ž 3 8Ya UbXYf'¼i bY'dYfgcbbY'gj`Y`Y`U`XYg'dYfgcbbYg'¼WUf[Y'3	J ci gUj Yn'XYg'dYfgcbbYg'¼WUf[Y'3
f l ě G][ b]Z]Yf'j chfY]bhYb]cb'XY'fĀi b]f'j chfY'ZLa ]`Y	>Yj ci XfU]gfĀi b]f'a U'ZLa ]`Y'

8cW a Ybhg! Gf]bgW]fY'¼U'a U]f]Y fi ggY f l ě G][ b]Z]Yf'ei Yj ci g'gci \U]h'n] ci g]bgW]fY'Yb'fUbhei Y'bcj j Y`Uff]j Ubh'	ZfUbĀU]g >Yj ci XfU]g'a f]bgW]fY'Yb'fUbhei Y'bcj j Y`Uff]j Ubh'
3 8Ya UbXYf'ei Y'g'XcW a Ybhg] ci g'XYj Yn'Zci fb]f	E i Yg'XcW a Ybhg]Xc]g`Y`UddcfHf'3
3 8Ya UbXYf'gfj`miU`XYg`ZfU]g`Xf]bgW]dh]cb`3	MU]H]`XYg`ZfU]g`Xf]bgW]dh]cb`3

# ⇒ a a ][ fU]cb 8cW/a Ybhg



>Yj ci XfU]gg][ bUYf`a Ubci j Y`Y`UXfYggY"

G][ b]Z]Yf`ei Yj ci g`gci \U]Hn`g][ bUYf`i b`W]Ub[ Ya YbhXfU]XFYggY

>Yj ci XfU]gXYa UbXYf`i bY`UH]gU]cb`XY`VcbbY`W]bXi ]H`Y"

G][ b]Z]Yf`ei Yj ci g`gci \U]Hn`XYa UbXYf`i bY`UH]gU]cb`XY`VcbbY`W]bXi ]H`Y

>Yj ci XfU]gXYa UbXYf`i b`dYfa ]gXY`g`A`ci f"

G][ b]Z]Yf`ei Yj ci g`gci \U]Hn`XYa UbXYf`i b`dYfa ]gXY`g`A`ci f

## 8cW/a Ybhg! 5ggj fUbW`gubhÅ fi ggY

### ZfUbÅ]jg

>Yj ci XfU]gj ci g`dcbYf`ei Yei Ygei Yg]cbggj f`f]ggj fUbW`a UUX]Y"

G][ b]Z]Yf`ei Yj ci g`U] Yn`XYgei Yg]cbgU`g` ^hXY`f]ggj fUbW`a UUX]Y

3

9g]W`ei Y`f]U]`VYgc]b`Xfii bY`a i hi Y`Y`3

8Ya UbXYf`g]i bY`a i hi Y`Y`YghbÅWggU]fY

3

E i fYg]W`ei ]YghV]i j YfhidUf`f]ggj fUbW`a UUX]Y`3

G]Y`fYbgY][ bYf`g` f`U`W]i j Yfh fY`XY`f]ggj fUbW`

: fU]g`cgd]H]Yf`g

9I Ya d`Y`XY`ZfU]gV]i j Yfhg`dUf`f]ggj fUbW`a UUX]Y

: fU]gXY`V]bg` `fU]cb`Xfii b`gdÅ]U]gY

9I Ya d`Y`XY`ZfU]gV]i j Yfhg`dUf`f]ggj fUbW`a UUX]Y

H]Yg]X]U]bcg]ei Yg

9I Ya d`Y`XY`ZfU]gV]i j Yfhg`dUf`f]ggj fUbW`a UUX]Y

CdÅfU]cbgW]fi f[ ]W]Yg

9I Ya d`Y`XY`ZfU]gV]i j Yfhg`dUf`f]ggj fUbW`a UUX]Y

HfU]H]Ya YbhidgnW]Uf]ei Y

9I Ya d`Y`XY`ZfU]gV]i j Yfhg`dUf`f]ggj fUbW`a UUX]Y

# ⇒ a a ] [ f U h ] c b 8 c W a Y b h g



Gc]bgjXYbHJfYg

9l Ya d'Y'XY'ZfUjgVtci j Yfhg'dUF''fllggj fLbW'a UUXJY

Gc]bgcW'UJfYg

9l Ya d'Y'XY'ZfUjgVtci j Yfhg'dUF''fllggj fLbW'a UUXJY

## 8cW a Ybhg! J ]gJ

fi ggY

ZfUbÄUJg

Dci fei c]XYa UbXYh'j ci gi bj ]gJXfYbhfÄY'3

3

8Ya UbXYf''UfUjgcb'XY'XYa UbXY'XY'j ]gJXfYbhfÄY

: U H ] ' i b j ] g J d c i f ' Y b f Y f ' Y b ' @ U h g Q 3

8Ya UbXYf'g]i b j ] g J Y g h b Ä W g g U ] f Y ' d c i f ' Y b f Y f ' X U b g i b ' d U h g

7 ca a Ybhdi ]g 'Ydfc`cb[ Yf'a cb j ]gJ'3

3

8Ya UbXYf'Vta a Ybhdfc`cb[ Yf'i b j ]gJ

Dci fei c]a UXYa UbXY'XY'j ]gJ'U'H'Y'Y'Ä'Ä'fY'Yh'Ä'3

3

8Ya UbXYf'dci fei c]j chfY'XYa UbXY'XY'j ]gJ'U'Ä'Ä'fY'Yh'Ä'

9ghW'ei Y'Y'dYi I 'XYj Yb]f'fÄg]XYbhdYfa UbYbh'3

ž

3

8Ya UbXYf'g]j ci g'dci j Yn'XYj Yb]f'fÄg]XYbhdYfa UbYbh'Xfii b'dUhg

## 8cW a Ybhg! '7 cbXi ]hY

fi ggY

ZfUbÄUJg

9ghW'ei Y'Y'Xc]gZU]fYWUb[ Yf''Ud'Uei Y

Xf]a a Uf]W'U]cb'XY'a Uj c]h'fY'3

3

8Ya UbXYf'g]''Y'WUb[ Ya YbhXY''Ud'Uei Y'Xf]a a Uf]W'U]cb'XY'j chfY'j Ä\]W'Y'YghbÄWggU]fY

>Yj ci XfU]gZU]fY]a a Uf]W'Yf'a Uj c]h'fY'

f l t

G][ b]Z]Yf'ei Yj ci g'gci \U]h'n'ZU]fY]a a Uf]W'Yf'j chfY'j Ä\]W'Y

9ghW'ei Y'a cb'dYfa ]gXYW'cbXi ]fY'Yghj U]XY]M]3

3

8Ya UbXYf'g]j chfY'dYfa ]gXYW'cbXi ]fY'Yghj U]XY

# ⇒ a a ][ fU]cb 8cW/a Ybhg



flÉ

>Yj ci XfU]gXYa UbXYf i b'dYfa ]gXYWtbXi ]fY'dfcj ]gc]fY"

8Ya UbXYf i b'dYfa ]gXYWtbXi ]fY'dfcj ]gc]fY

flÉ

SSSSSSSSSS"

>Yj ci XfU]gdfYbXfY'fYbXYn]j ci g'dci f'dUggYf  
SSSSSSSSSSSS"

G][ b]Z]Yf'ei Yj ci g'gci \U]Hn'dfYbXfY' i b'fYbXYn]j ci g'dci f'dUggYf'j chfY'dYfa ]gXYWtbXi ]fY

`YWtXY

HndY'XfYl Ua Yb

`UWtbXi ]H

HndY'XfYl Ua Yb

flÉ

SSSSSSSSSSSS "

>Yj ci XfU]gja cX]Z]Yf' SSSSSSSSS'g f'a cb'dYfa ]gXY  
WtbXi ]fY"

G][ b]Z]Yf'ei Yj ci g'gci \U]Hn'a cX]Z]Yf'WfH]bYg'XcbbÅYg'g f'j chfY'dYfa ]gXYWtbXi ]fY

a cb'UXfYggY

CV'YhXY`Ua cX]Z]W]h]cb

a cb'bca

CV'YhXY`Ua cX]Z]W]h]cb

a Ud\ctc

CV'YhXY`Ua cX]Z]W]h]cb

flÉ

>Yj ci XfU]gdUggYf i b'dYfa ]gXYWtbXi ]fY'XY'WnÅ[ cf]Y  
g dÅ]Yi fY"

G][ b]Z]Yf'ei Yj ci g'gci \U]Hn'Uci Hf'i bY'WnÅ[ cf]Y'¼j chfY'dYfa ]gXYWtbXi ]fY

flÉ

>Yj ci XfU]gZ]fY'fYbci j Y'Yf'a cb'dYfa ]gXYWtbXi ]fY"

G][ b]Z]Yf'ei Yj ci g'gci \U]Hn'Z]fY'fYbci j Y'Yf'j chfY'dYfa ]gXYWtbXi ]fY

flÉ

SSSSSSSSSSSSSSSSSS"

>Yj ci XfU]gfYa d'UWf i b'dYfa ]gXYWtbXi ]fY'SSSSS"

G][ b]Z]Yf'ei Yj ci g'gci \U]Hn'fYa d'UWf i b'dYfa ]gXYWtbXi ]fY

⇒ a a ][ fUh]cb  
8cW/a Ybhg



dYfXi

HnødY`XY`dfcV`Äa Y

j c`Ä

HnødY`XY`dfcV`Äa Y

UVäa Ä

HnødY`XY`dfcV`Äa Y

f l E`

>Yj ci XfU]gZU]fY`UddY`dci f`f`ÄWdÄfYf`a cb`dYfa ]gXY  
VäbXi ]fY`

G][ b]Z]Yf`ei Yj ci g`gci \U]hYn`ZU]fY`UddY``VäbhfY`i b`fYhfU]hXY`dYfa ]g

8cW/a Ybhg!`B U]cbU`]hÄ

fi ggY

Z`U b`ÄU]g

f l E`

!`

>Yj ci XfU]gdcgi`Yf`dci f`U`bU]cbU`]hÄ`OX`YM]Z

Q

G][ b]Z]Yf`ei Yj ci g`gci \U]hYn`dcgi`Yf`dci f`i bY`XYa UbXY`XY`bU]cbU`]hÄ

3

C`ÖdYi H`cb`g]b]gW]fY`dci f`Y`hYghXY`Oub[i YQ3

8Ya UbXYf`c`Ög]b]gW]fY`dci f`i b`hYghXY`Ub[i Y

>Y`bfU]`dUgXY`Wg]Yf`i X]V]U]fY

5 Z]fa Yf`ei Yj chfY`Wg]Yf`i X]V]U]fY`Yghj ]Yf[ Y

O` Q`

>fU]`Yb]j YU` g Z]gubhYb`Oub[i YQ

5 Z]fa Yf`ei Yj ci g`Uj Yn`Yb]j YU` XY`Ub[i YfYei ]g

f l E`

!

Q

>Yj ci XfU]gdfYbXfY`fYbXYn]j ci g`dci f`Y`hYghXY`  
bU] fU]g]h]cb`Yb`@]UhgQ

G][ b]Z]Yf`ei Yj ci g`gci \U]hYn`dfYbXfY`fYbXYn]j ci g`dci f`Y`hYghXY`bU] fU]g]h]cb`Xi`dUhg

3

E i Y`ggcbh`YgZ`U]g`dci f`U`XYa UbXY`XY`bU] fU]g]h]cb`3

8Ya UbXYf`ei Y`ggcbh`YgZ`U]g`XY`bU] fU]g]h]cb



=a a ][ fU]cb  
8cW/a Ybhg



fl # Ł fl Ł! fl # Ł' O !  
Q

A cb \Wb^c]bhYgh@U]cbU]hÅ

G][ b]Z]Yf^`U'bu]cbU]hÅ XY'j chfY \Wb^c]bhfYŁ

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