

; `UXVUW g'5 b[ f]ZZ'gWk ÅW Y`h. `K c  
V`Y]VYb `X]Y`HcfY 3

6c fi gg]Ug`C ZYbg]j Y`YbhhÅi gWk h`bUWk `<c ZZbi b[ Yb""5bU`mgY  
XYf'; f0bXY`Z0f`X]Y`ghU[ b]YfYbXY`HcfdfcXi \_h]cb`bUWk`gYWk g  
Gd]Y`hU[ Yb"

6c fi gg]U`A 0bWkYb[ `UXVUWk`ghUfhYhY`cdh]a ]gh]gWk`]b`X]Y`bYi Y  
GU]gcbži bhYfgh0hnhj cb`Y]bYf`gc`]XYb`6]`Ubn`j cb`) \*`Yfn]Y`hYb  
HcfYb`]b`XYf`j cf\Yf][ Yb`Gd]Y`nY]hi bX`XYa`BYi ni [ Ub[ `j cb`?Yj ]b  
Gh0[ Yf`i bX`H]a`?`Y]bX]Ybgh`8cWk`bUWk`bi f`gYWk`g`Gd]Y`hU[ Yb`g]bX  
X]Y`; `UXVUWk`Yf`a`]h`bi f`g]YVYb`HcfYb`U`Yg`UbXYfY`U`g`ni Zf]YXYb"  
ϕ`XYb`Y`hnhYb`j ]Yf`Gd]Y`Yb`gWk`UZhY`X]Y`C`ZYbg]j Y`YX][ `]Wk`XfY]  
HfYZZfž`k Ug`5b`Ugg`ni f`6Ygcf[ b]g`[ ]Vhi bX`: fU[ Yb`bUWk`XYf  
9ZY\_hj] ]hÅh`XYf`5b[ f]ZZgghfUhY[ ]Y`Ui Zk ]fZh"

8]Y`; f0bXY`Z0f`X]Y`gWk`k UWk`Y`HcfUi gVYi hY`]Y[ Yb`Ui Z`XYf`< UbXž  
g]bX`YXcWk`j ]Y`gWk`]Wk]h[ ""HfU]bYf`GYcUbY`i bX`gY]b`HYUa`a`0ggYb  
bi b`Xf]b[ YbX`Ub`]fYf`C`ZYbg]j`Y]ghi b[ `UfVY]hYbži a`X]Y`N]Y`Y  
XYf`GU]gcb`ni`YffY]Wk`Yb": Ubg`i bX`9l dYfhYb`c`ZYbž`XUgg`g]Wk`X]Y  
A`UbbgWk`UZh`gWk`bY`ZÅb[ hi bX`X]Y`Xf]b[ YbX`VYb`0h][ hY`Hcf[ YZU`f  
ni f0W`Vf]b[ hž`VYj cf`Yg`ni`gdÅh`]gh`K`Y]hYfY`8YhU]`g`ni`X]Y`gYf  
G]hi Uh]cb`Z]bXYb`g]Wk`]b`Y]bYa`5fh]\_Y`Ui Z`fd!cb`]bY"XY"

8YhU]`g

6Ygi Wk`Yb`G]Y`i bg`Ui Z.`b!U[ "XY