

J c b `XYf`B c fXgYY`]bg`5``.  
Ghi XYbhYbfU\_YhY`ghUfhYh`]a `Gca a Yf

Ghi XYbhYb`XYg`GdUW`HYUa `5UW`Yb`Ybhk ]W\_Y`b`a ]h`XYf  
/ ei ch/5ei ]`U`A Uf]g/ ei ch`Y]bY`FU\_YhY`ž`X]Y`VU`X`j cb`XYf  
BcfXgYY`Ui g]bg`5``ghUfhYb`gc``

⇒bcj Uh]j Y`F Ui a ZU\ fhd fc`Y`\_hY`k YW\_Yb  
6Y[ Y]ghYfi b[ `]b`XYf`F Y[ ]cb

⇒Y]bYa `VYXYi hYbXYb`GW`f]h`ž`f`X]Y`F Ui a ZU\fh`\_`ÒbbhY`X]Y  
BcfXgYY`VU`X`ni a `GW`Ui d`Uhn`Ui žFY[ YbXYf`HYW`bc`c[ ]Yb  
k YfXYb`"8]Y`fch[ YghfY]žY`FU\_YhY` 5ei ]`U`A Uf]g ž`Ybhk cfZYb`j cb  
hU`Ybh]YfhYb`Ghi XYbhYb`XYg`GdUW`HYUa `5UW`Ybž`ghY`h`Ua  
5bZub[ `]\fYf`FY]gY`]bg`5``"8]YgYg`Ua V]h]cb]YfhY`Dfc`Y`\_h[ Yk ]bbh  
b]W`h`bi f`Ub` : U\fhž`gcbXYfb`V]YhYh`Ui W`XYf`F Y[ ]cb`ž]gW`Y  
DYfgdY\_h]j Yb`ž`f`X]Y`Ni \_i bžh"

8Yf`HfUi a `j ca `Y][ YbYb`K Y`hfUi a VU\b`cZ

J]Y`Y`F Ui a ZU\fyf`]b`9i fcdU`hf`Ài a Yb`gY]h`Ub[ Ya `j cb`Y]bYa  
K Y`hfUi a VU\b`cZX]fY\_hj cf`XYf`<Ui gh`ž`f`"8]YgY`J ]g]cb`\_`ÒbbhY  
VYfY]hg`]b`X]YgYa `Gca a Yf`FYU`]h`À`h`k YfXYbž`k Ybb` 5ei ]`U`A Uf]g  
ni `]\fYa `YfghYb`GhUfh`UV`YVh`"8]Y`J cfVYfY]hi b[ Yb`ž`f`X]YgYb  
DfYa ]YfYZi [ `]g]bX`VYfY]hg`]b`j c`Ya `; Ub[ Yž`k Ug`Ui Z`XUg  
9b[ U[ Ya Ybhi bX`X]Y` ⇒bcj Uh]cbg\_fUžh`XYf`VYhY]] [ hYb  
Ghi X]YfYbXYb`]\]bk Y]gh"

8]Y`F c``Y`XYf`Ghi X]YfYbXYb`]b`XYf  
F Ui a ZU\fh

8 Ug'GdUW'HYUa '5UWYb'gYhnh'Ui ZdfU\_h]gWYg'@YfbYb'i bX  
: cfgW'i b[ ž'i a '† b[ Y'HU'YbhY']b'XYf'FUi a ZU\fh]bXi ghf]Y'ni  
ZØfXYfb''8]Y'6YhY']][ i b[ 'XYf'Ghi X]YfYbXYb'Ub'Y]bYa 'YW'hYb  
FUi a ZU\fhdfc'Y\_h]gh'b]W'h'bi f'Y]bY'k Yfhj c''Y'9fZU\fi b[ 'ZØf'g]Y  
gY'Vghž'gcbXYfb'ghÅf\_h'Ui W'XUg'hYW'b]gWY'?bck!\ck']b'XYf  
FY[ ]cb''Gc'WY'≠]h]Uh]j Yb'nY][ Ybž'XUgg'6]Xi b[ 'i bX'≠bcj Uh]cb  
<UbX']b'<UbX'[ Y\Ybž'i a '@Øgi b[ Yb'ZØf'X]Y'<YfUi gZc'fXYfi b[ Yb  
XYf'Ni \_i bZh'ni 'Z]bXYb''

## G]WYf\Y]h'i bX'7\UbW'b'ZØf'X]Y'; Ya Y]bXY

8]Y'A Ø[ 'W\_Y]hž'FU\_YhYbghUfhg'j cb'XYf'BcfXgYY'Ui g  
Xi fW'ni ZØ'fYbž'\_ØbbhY'Ui W'k ]fhgWUZn]WY'a di 'gY'ZØf'X]Y  
i a 'Y[ YbXYb'; Ya Y]bXYb'Vf]b[ Yb''8Yf'6Ui 'j cb'≠ZfUghfi \_hi fž'X]Y  
[ YfbY'ZØf'gc'WY'\cW'a cXYfbYb'Dfc'Y\_hY'VYbØh][ h'k ]fXž'\_Ubb  
bYi Y'5fVY]hgd'ÀhnY'gW'UZZYb'i bX'XUg'≠hYfYggY'Ub  
hYW'bc'c[ ]gWYb'6Yfi ZYb'k YW\_Yb''; 'Y]W'nY]h][ 'gh'Yg'k ]W'h][ ž  
G]WYf\Y]hgdUfUa YhYf'ni 'gYhnybž'i a 'l a k Y'hf]g]\_Yb'ni  
a ]b]a ]YfYbž'gcXUgg'X]Y'; Ya Y]bXY'j cb'X]YgYb'9bhk ]W'\_i b[ Yb  
dfcZ]h]YfYb'\_Ubb''

## Ni gUa a YbZUggi b[

8]Y'VYj c'fghY\YbXYb'GhUfhg'j cb'FU\_YhYb'k ]Y'XYf' 5ei ]'U'A Uf]g  
Ui g'XYf'BcfXgYY'g]bX'a Y'f'U'g'bi f'Y]b'hYW'b]gWYg'9l dYf]a Ybh''  
G]Y'fYdfÅgYbh]YfYb'Y]bY'K Y''Y'j cb'≠bcj Uh]cbYbž'X]Y'b]W'h'bi f  
XYb'FUi a ZU\fhgY\_hcfž'gcbXYfb'Ui W'X]Y'[ YgUa hY'FY[ ]cb  
VYY]bZi ggYb'\_ØbbhYb''K Å\fybX'U''Y'J c'fVYfY]hi b[ Yb'[ YhfcZZYb  
k YfXYbž'k ÅW'gh'X]Y'J c'fZfYi XY'Ui ZY]bY'bYi Y'ÿfU'XYf'FUi a ZU\fh  
]b'9i fcdU'i bX'X]Y'7\UbW'bž'X]Y'g]Y'ZØf'X]Y'; YgY''gW'UZhi bX'X]Y  
bÅW'ghY'; YbYfUh]cb'j cb'K ]ggYbgW'UZn'Yfb'i bX'≠[ Yb]Yi fYb'a ]h  
g]W'Vf]b[ h''

' B 5;

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