

## < cU'6]b\'&\$&). Hci f]ga i g'U`g K UW ghi a ga chcf'XYf'Dfcj]bn°</pre>

9bhXYW\_Yb'G]Y'X]Y'ni \_ØbZh][Yb'Hcif]ga i gghfUhY[]Yb'XYf Dfcj]bn'<cU'6]b\ž'X]Y'&\$&) 'bUW\\U`h][Y'9bhk]W\_`i b[gn]Y`Y i bX'a cXYfbY'?ca a i b]\_Uh]cbghYW\b]\_Yb'i a gYhnYb"



9]b 'nYbhfu`Yf'6YghUbXhY]`'X]YgYf'GhfUhY[]Y']gh'X]Y' + bhYbg]j ]Yfi b[XYf' + DZcfa Uh]cbg!'i bX'DfcdU[UbXUU\_h]j ]hÀhYb'VYnØ[`]W\'XYf6YXYi hi b['XYg'Hcif]qa i q'ZØf'X]Y'9bhk ]W\_`i b['UbXYfYf'6fUbW\Yb"

8]Y'9bhk]W\_i b['j cb'GhfUhY[]Yb'ZØf'Y]bY'J]Y`nU\```c\_U`Yf Hci f]ga i gdfcXi \_hY'i bX'XYf'9]bgUhn'a cXYfbYf'HYW\bc`c[]Yb'g]bX YVYbZU``g'j cf[YgY\Yb"'Ni gÀhn`]W\'gc```XUg'\(\frac{1}{2}\) U[Y'i bX'XUg DchYbn]U``XYf'Dfcj]bn'Ui Z'bUh]cbU`Yb'i bX']bhYfbUh]cbU`Yb'A Àf\_hYb [YZÔfXYfh'k YfXYb"

## Ni gUa a YbUfVY]h'i bX'?ca a i b]\_Uh]cb

8]Y'Dfcj]bn'd`Ubhž'X]Y'Ni gUa a YbUfVY]h'a]h'UbXYfYb'Dfcj]bnYb i bX'GhÀXhYb']a '6YfY]W\'Hci f]ga i gYbhk]W\_\`i b['ni 'ghÀf\_Yb"'8]Yg i a ZUggh'Ui W\'X]Y'J cfghY\`i b['UhhfU\_h]j Yf'FY]gYn]Y\Y'gck]Y DfcXi\_hY'i bX'8]Ybgh\Y]ghi b[Ybž'X]Y'X]Y'FY[]cb'ni 'V]YhYb'\Uh"'9g k]fX'XUfUi Z'[YUW\hYhž'6YfUhi b[gUb[YVchY'gck]Y'@Ògi b[gUbgÀhnY ni ': fU[Yb'XYf'FY]gYbXYb'i bX'FYgcfhVYXØfZb]ggY'VYfY]h'ni ghY\`Yb"

## 5i h\Ybh]gW\Y`=bZcfa Uh]cbYb`i bX A YX]YbdfÀgYbn

6Y] XYf?ca a i b]\_Uh]cb gd]Y`h'X]Y 5i h\Ybh]n]hÀh'Y]bY
YbhgWXY]XYbXY'Fc``Y" \*DZcfa Uh]cbYb ØVYf'X]Y'FY]gYn]Y`Y'i bX
8]Ybgh`Y]ghi b[Yb'a ØggYb'\_`Ufž'cV'Y\_h]j ii bX'j c``ghÀbX]['gY]b"
DfcU\_h]j Y'5bgÀhnY'ni f'6YUbhk cfhi b['ÒZZYbh`]WXYf'\*DhYfYggYb'g]bX
YVYbZU``g'Ubj ]g]Yfhžii a 'Ui Z'i b[YbUi Y'\*DZcfa Uh]cbYb'ni
fYU[]YfYbž'X]Y'XUg'\* U[Y'XYf'Dfcj]bn'bY[Uh]j 'VYY]bZii ggYb
\_`ObbhYb"

8]Y'Bi hni b['j cb'A UggYba YX]Ybž'XUfi bhYf'BUW\f]W\hYbž'5fh]\_Y`i bX', VYfhfU[i b[Yb'ØVYf'FUX]c'i bX': YfbgY\Ybž'k]fX'U`g'k]W\h][

 $\label{thm:continuous} YfUWW.hYhžii a "X]Y hci f]gh]gWW.Yb "5b[ YVchY "j cb" < cU"6]b \ ni df AgYbh]YfYb "'6YfØ \ a hY 'GY\Ybgk ØfX][ _Y]hYb "gc" `Yb "gck c\"]b nYbhfU `Yb "U `g "Ui WW "]b ``c _U `Yb "A YX]Yb '\Yfj cf[ Y\cVYb "k YfXYb ž'i a XUg "6Yk i gghgY]b 'ZØf "X]Y hci f]gh]gWW.Yb 'DchYbn]U `Y 'XYf "FY[ ]cb 'ni gWW. AfZYb"$ 

8]Y'+b]h]Uh]j Yb'ni f': ÒfXYfi b[ 'XYg'Hci f]ga i g']b'<cU'6]b\'g]bX
b]W\h'bi f'Ui Z'X]Y'K]fhgW\UZh'XYf'Dfcj]bn'Ui g[ Yf]W\hYhz'gcbXYfb
Ui W\'XUfUi Zz'Y]bYb'\_i `hi fY``Yb'5i ghUi gW\'i bX'Y]bY'bUW\\U`h][ Y
9bhk]W\_`i b[ 'ni 'ZÒfXYfbz'k]Y'Ui W\']f^Ya g"cf[ 'Ub[]Vh"

8 Y hU]`g	
Cfh	<cu^6]b\ž'j]yhbua< th=""></cu^6]b\ž'j]yhbua<>
Ei Y``Yb	• k k k "j ]Y hb Ua "j b
	• ]f^Ya g"cf[

6Ygi WXYb G]Y i bg Ui Z Y]bY!fY]gY "XY