

6Yhfi b_YbYf': U\fYf'a]h'&ž%&'Dfca]``Y Ui Z'5(' [Yghcddh°

 $Dc`]nY]`ghcddh`()! ^A \f][Yb`5i hc ZU \fYf`a]h`&ž%&`Dfca]``Y`Ui Z XYf`5('`]b`FYW_`]b[\Ui gYb"`I bg]WXYfYg': U \fj Yf \U`hYb`ZØ \fh ni f`?cbhfc``Y"$



 $\label{thm:continuous} FYW_`]b[\UigYbž'8YihgW `UbX'!' $$b'Y]bYa' XfUa Uh]gWXYb JcfZU```Ui Z'XYf'5i hcVU\b'('']b'FYW_`]b[\UigYb'k i fXY']b'XYf BUWXh'ni a '8]YbghU['Y]b'()!'À\f][Yf'5i hcZU\fYf'[Yghcddhž'XYf'a]h Y]bYa' gWXcW_]YfYbXYb'5`_c\c`k Yfh'j cb'&<math>\sharp$ %&'Dfca]``Y'Ua' GhYi Yf gU\\^*8]Y'Dc`]nY]\UhhY'XUg': U\fnYi ['VYa Yf_hYž'U`g'Yg'i bg]WXYf i bX']b'GWX`Ub[Yb`]b'F]WXhi b['K i ddYfhU`'Zi \f"'

 $8 \ Yf: \ U\setminus fYf\check{z}'Y]b \ I \ _fU]b \ Yf' \ Ui \ g' \ 7 \ Ughfcd! F \ Ui \ I \ Y`\check{z}'\setminus UhhY'Y]b \ Yb \ ')! \ ' \mathring{A}\setminus f][\ Yb' \ 6Y] \ ZU\setminus fYf' \ Ub' \ 6cfX''' \ 6Y]'XYf'? \ cbhfc``Y'k \ i \ fXY'gc \ Zcfh'XYf \ ghUf_Y'5`_c\c`[\ Yfi \ WX'k \ U\setminus f[\ Ybca \ a \ Yb\check{z}'k \ Ug'Y]b \ Yb' \ ZfY]k \]``][\ Yb \ 5hYa \ U`_c\c`hYgh'ni \ f': \ c`[\ Y'\setminus UhhY''8]Y'Dc`]nY]'\setminus Uh'XUa \]h'Y]b \ k \ Y]hYfYg' VYgcf[\ b]gYffY[\ YbXYg'6Y]gd]Y``ZØf': \ U\setminus fi \ bhØWXh][\ _Y]h']a \ GhfU_Ybj \ Yf_Y\setminus f'Ui \ Z[\ YXYW_h''$

8 YhU]`g	
J c f ZU``	JYf_Y\fgi bZU``
I fgUWX Y	5`_c\c`Y]bZi gg
Cfh	FYW_`]b[\UigYbž'8YihgW\`UbX
: YghbU\a Yb	%

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'b!U["X Y