

D\]`]ddY'8YV]cbbY'k]fX'bYi Yf 7\YZfYXU_hYi f'XYg'BcfX_i f]Yf

D\]`]ddY'8YV]cbbY'k]fX'bYiYf'7\YZfYXU_hYif'VY]a BcfX_if]Yf']b'BYiVfUbXYbVif['ibX'Zc`[h'; UVf]Y`'?cfXg bUW\"

GhUb X. '\$%"\$ - "&\$&('%% \$\$'I \f

9]bY'f]W\hi b[gk Y]gYbXY'J Yf\\dangle XYfi b['VY]a 'BcfX_i f]Yf.'D\]`]ddY
8YV]cbbY']gh'bi b'XYf'bYi Y'7\YZfYXU_hYi f"'8Yf'K YW\gY`'j cb'XYf
6Yf`]bYf'J Yf`U['K Y`h'ni 'X]YgYf'k]W\h][Yb'Dcg]h]cb']b
BYi VfUbXYbVi f['Vf]b[h'Zf]gW\Yb'K]bX'i bX'bYi Y'DYfgdY_h]j Yb'ZØf
XUg'HYUa 'i bX'X]Y'@YgYfgW\UZh"'A]h'(+'\lamble \formall \formalf \formalf

8 Yf 'b Yi Y '7 \ Y ZfY X U_hYi f 'hf]hh 'X]Y 'B UW\ Zc`[Y 'j cb'; UVf]Y`'? cfXg'Ubž XYf'_Øfn`]W\ 'X]Y 'GW\ k\ ÀV]gW\ Y 'J Yf`U[gnYbhfU`Y ']b 'F Uj YbgVi f[YffY]W\ h`\Uh''? cfXg'ØVYfbU\a 'ni j cf`X]Y 'J YfUbhk cfhi b['bUW\ XYa 'd`Òhn`]W\ Yb 'HcX'j cb' >Øf[Yb 'A`UXY_ž'Y]b 'J Yf`i ghž'XYf'ZØf'X]Y [YgUa hY 'J Yf`U[gk Y`h'gdØfVUf']gh'' 8]YgYf'K YW\ gY``]a : Ø\ fi b[ghYUa 'nY][hž'k]Y 'XmbUa]gW\ 'i bX'a UbW\a U` i bj cf\YfgY\VUf'X]Y 'A YX]Yb`UbXgW\UZh'gY]b'_Ubb'' 8 YV]cbbYž XYggYb'K i fnY`b']b'K]YgVUXYb'`]Y[Ybž'k i W\g']b'A ØbW\Yb'Ui Z'i bX`YVh'gY]h'%--, ']b'6Yf`]b'''GY]bY'VYfi Z]W\Y'@Ui ZVU\b'ZØ\fhY']\b'ni bUa\UZhYb'GYbXYfb'k]Y 'DfcG]YVYb'i bX'GUh''%ž'gck]Y 'ni `Yhnh'ni a 6Yf`]bYf'J Yf`U["'

9]bV`]W_Y`]b`XYb`K YfXY[Ub['j cb`D\]`]ddY 8YV]cbbY A]hˈgY]bYf``Ub['À\f][Yb '9fZU\fi b[']b 'XYf'A YX]YbVfUbWXY'i bX
Y]bYa 'h]YZYb'J YfghÀbXb]g'ZØf'X]Y'< YfUi gZcfXYfi b[Ybž'X]Y
a cXYfbY'BUWXf]WXhYbfYXU_h]cbYb'VYk À`h][Yb'a ØggYbž'k]fX
8 YV]cbbY'nk Y]ZY``cg'bYi Y'5_nYbhY'gYhnYb"'GY]b'K]ggYb'i a 'X]Y
X][]hU`Y'HfUbgZcfa Uh]cb'XYf'A YX]Yb'k]fX'ZØf'XYb'BcfX_i f]Yf'j cb
[fc» Yf'6YXYi hi b['gY]b"'\DYF'NY]hž']b'XYf'g]WX'X]Y
@YgYfUbgdfØWXY'ghYh]['j YfÀbXYfbž']gh'Yg'YbhgWXY]XYbXž'Ui Z'X]YgY
HfYbXg'ni 'fYU[]YfYb'i bX']bbcj Uh]j Y'5bgÀhnY'ni 'Ybhk]W_Y`b"'

8]Y '9fbYbbi b['8YV]cbbYg'\Uh'XUg'DchYbn]U`ž'X]Y 'ghfUhY[]gWXY 5i gf]WX hi b['XYg'BcfX_i f]Yf'ni 'VYY]bZi ggYb'i bX'X]Y FY[]cbU`bUWXf]WX hYb'k Y]hYf'ni 'ghÀf_Yb"'8U``c_U`Y 6Yf]WX hYfghUhhi b['\Ài Z]['YbhgWXY]XYbX'ZØf'X]Y'8Ya c_fUh]Y']ghž _ObbhY'gY]bY'J]g]cb'XUni 'VY]hfU[Ybž'X]Y'6YXYi hi b['j cbfY[]cbU`Yb'AYX]Yb']b'XYf'\Yi h][Yb'\DZcfa Uh]cbg[YgY``gWXUZh'ni ZOfXYfb"'

8]Y'JYfÀbXYfi b[Yb'VY]a 'BcfX_i f]Yf'ghY\Yb'U`gc'b]W\h'bi f'ZØf Y]bYb'Y]bZUW\Yb'DYfgcbU`k YW\gY`ž'gcbXYfb'Ui W\'ZØf'X]Y 5bdUggi b['i bX'9bhk]W_`i b['Y]bYg'l bhYfbY\a Ybgž'XUg'g]W\']b Y]bYa 'g]W\'ghÀbX]['k UbXY`bXYb'A Uf_h'VY\Ui dhYb'a i gg"'8]Y JcfZfYi XY'Ui Z'X]Y'_ca a YbXYb'A cbUhY'i bX'X]Y'F]W\hi b[ž'X]Y 8YV]cbbY'Y]bgW\`U[Yb'k]fXž']gh'gck c\``VY]'XYb'5b[YghY``hYb'U`g Ui W\'VY]'XYf'@YqYfgW\UZh'gdØfVUf"'

8 UgʻH\Ya Uʻ]ghʻUi W\ʻ]bʻXYbʻfY[]cbUʻYbʻBUW\f]W\hYbʻjcb
6YXYi hi b[žk]YʻX]Yʻ6Yf]W\hYfghUhhi b[ʻUi ZʻB8Fʻ%ʻFUX]cʻA JʻnY][h''
< ÒfYfgW\UZhʻ_Ubbʻ[YgdUbbhʻUi ZʻX]Yʻ9bhk]W_`i b[Ybʻi bhYfʻXYf
bYi Ybʻ: Ø\fi b[ʻXYgʻBcfX_i f]YfʻV`]W_Yb''8YV]cbbYgʻ5bgUhnž
`c_UʻYgʻi bXʻfY`Yj UbhYgʻBUW\f]W\hYbUb[YVch'ni ʻ[Yk À\f`Y]ghYbž
k]fXʻYbhgW\Y]XYbXʻgY]bži a ʻX]Yʻ@YgYfV]bXi b[ʻni ʻghÀf_Ybʻi bXʻX]Y
FYʻYj UbnʻXYgʻBcfX_i f]Yfʻ]bʻXYfʻX][]hUʻYbʻK Y`h'ni ʻg]W\Yfb''

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'a Y]b!VYf`]b "bYh