

GWX`U[UbZU```Ua 'GhYi Yf. '5i hcZU\fYf_fUWX h']b'@UhYfbY']b'9a a YbX]b[Yb°

9]b') (! \dot{A} \f][Yf'Yf`]hh'k \dot{A} \fYbX'XYf'5i hcZU\fh']b 9a a YbX]b[Yb'Y]bYb'GW\`U[UbZU``'i bX'j Yfi fgUW\hY'Y]bYb I bZU``"FYhhi b[g_f \dot{A} ZhY'Y]`hYb'ni f'<]`ZY"

8fUa U'Ui Z'XYf'GhfU» Y']b '9a a YbX]b[Yb°5a

: $fY]hU[jcfa]hhU[ž'XYb'$*"$-"&$&(ž'[Y[Yb'%%'I\fž'kifXY'X]Y 6Ug`Yf'GhfU»Y'nia 'GW\Uid`Uhn'Y]bYg'gW\cW_]YfYbXYb'JcfZU``g"'9]b) (!\A\f][Yf'5ihcZU\fYf'Yf`]hh'k\A\fYbX'XYf': U\fh'Y]bYb'ZUW\<math>VY[f]ZZ$ GW\`U[UbZU```ibX'jYf`cf'XUa]h'X]Y'?cbhfc``Y'ØVYf'gY]b': U\fnYi["K Ug'Zc`[hYž'kUf'Y]b'gdY_hU_i`\AfYf'ibX'[YZ\A\f`]W\Yf'IbZU``ž'XYf DUggUbhYb']b'5hYa`\]Y`h°

A]h'Y]bYa '`Ui hYb'?bU```_fUW\hY'XUg'5i hc'ZfcbhU``[Y[Yb'Y]bYb@UhYfbYba Ughž'bUW\XYa 'XYf': U\fYf'UVfi dh'bUW\'`]b_g'j cb'XYf: U\fVU\b'UV_Ua "'8]Y': Yi Yfk Y\f'9a a YbX]b[Yb'k i fXY'gcZcfh U`Ufa]Yfhž'XU'X]Y': U\fYfhØf'V`cW_]Yfh'k Uf'i bX'XYf'A UbbgW\bY``gha Ò[`]W\'Ui g'gY]bYf'a]gg`]W\Yb'@U[Y'VYZfY]h'k YfXYba i gghY"'FYhhi b[g_fÀZhY'k UfYb'fUgW\'j cf'Cfh'i bX'ØVYfbU\aYbX]Y'a YX]n]b]gW\Y'JYfgcf[i b['XYg'VYk i ggh`cgYb': U\fYfg"

A i h][Y F Y hhi b [$g_f \lambda ZhY$]a 9]b g U hn

 $8 \ \, Ub_`XYg`gW\&bY``Yb`9]b[fY]ZYbg`XYf`FYhhi b[g_fÅZhY`_cbbhY`XYf) (! \not A \ f][Y`ghUV]`]g]Yfhi bX`a]h`Y]bYa `FYhhi b[gk U[Yb`]b`Y]b bU\Y[Y`Y[YbYg`?fUb_Yb\Ui g`[YVfUW\&h`k YfXYb"`8Yf`GW&cW_`g]hnh h]YZ` `k \ A \ fYbX`X]YgYf`XfUa Uh]gW&Yb`G]hi Uh]cb`\UhhYb`X]Y`UbXYfYb JYf_Y\fghY]`bY\a Yf`YXcW&`[fc<math>*$ Yg'; `\ØW_`i bX`V`]YVYb i b| YfgY\fh"

8 c W 'X]Y : fU[Y 'V `Y]Vh 'K]Y `\ c W `]gh `XYf `GUW gW UXYb 3 `5 _hi Y ``
_ ObbYb `XUni `b c W `_Y]bY `NU\ `Yb `[YbUbbh k YfXYbž `Xc W `g]W Yf
]gh `Gc `Y]b `J c fZU```gW c W_]Yfh `X]Y `[YgUa hY `Ia[YVib[°

9]b YfgWX ØhhYfbXYg 6Y]gd]Y `XUZØfž k]Y 'gWX bY ```Ui g 'Y]bYa bcfa U`Yb :: U\fhU['Y]b ``YVYbgVYXfc\`]WX Yg 'GnYbUf]c 'k YfXYb '_Ubb" 8]Y :: Yi Yfk Y\f 'i bX 'F Yhhi b[g_fÀZhY 'nY][Yb 'Y]ba U``a Y\f ']\fYb i bYfa ØX`]WXYb '9]bgUhn 'i bX ']\fY 'DfcZYgg]cbU`]hÀh` ']b 'Y]bYa A ca Ybh'XYf'?f]gY 'nÀ\`h' Υ XY 'GY_i bXY °

8 Y hU1`a

6Ygi WXYb G]Y i bg Ui Z b!U["XY