

6UbUbYb. '?i bgh'nk]gWXYb '?i fj Yb'i bX ?fYUh]j]hÀh' '5i gghY``i b[']b'6Yf`]b

9bhXYW_Yb^G]Y^X]Y^ZUgn]b]YfYbXY^K Y^hj cb^I `f]_U^GY[YfVYf[]b^XYf^5i gghY^i b[/ ei ch/H\Y^6UbUbU^7cbhUWb/ ei ch/UV XYa^%- "^C_hcVYf^&\$&(^]a^a d('^z^6Yf^]b"^HUi W\Yb^G]Y^Y]b^]b^]b^ZUfVYbZfc\Y^A U^YfY]Yb^i bX^_fYUh]j Y^CV^Y_hYz^X]Y^X]Y gma Vc^]gW\Y^?fUZh^XYf^6UbUbY^ZY]Yfb"^9f^YVYb^G]Y^?i bghz^X]Y^Gd]Y^z^<i a cfii bX^h]YZYfY^6YXYi hi b[Yb^j YfV]bXYh"^6Ygi W\Yb^G]Y^i bg^YXYb^8cbbYfghU[ii bX^GUa ghU[ij cb^%).\$\$^V]g^%,.\$\$^I \f^



"5a 'GUa ghU[ž'XYa '%- "'C_hcVYf'&\$&(ž'UV'%) .\$\$'I \fž'[]Vh Yg'Y]bYb'[Ubn'VYgcbXYfYb'HU['ZØf'?i bgh']YV\UVYf']b'6Yf']b''8Yf a d(' ' 'dfcY_hfUi a 'ZØf'XUg'dYf]d\YfYž']b'XYf'Ghc``VYf[Yf'GhfU» Y +' ž'%&* &+ '6Yf`]bž'ÒZZbYh'gY]bY'HØfYb'ZØf'X]Y'UhYa VYfUi VYbXY 5i gghY``i b['XYf'gWk k YX]gWkYb'? Øbgh`Yf]b'I `f]_U'GY[YfVYf["''

··K UgʻYfk UfhYhʻX]Yʻ6Ygi WXYf3'9]bYʻj YfZØ\fYf]gWXYʻGWXUi ii bhYf

 $XYa \ "H]hY`"H\ Y`6UbUbU`"7cbhUWhž"X]Y "A U`YfY]Ybž"NY]W\ bi b[Ybi bX`ZUgn]b]YfYbXY`"CV'Y_hY`"dfAgYbh]Yfh""5VYf"XUg"<][\`][\`][\h3'9]bYfYU`]gh]gW\ Y`6UbUbYbZUb_Yž"X]Y`"b]W\ h'bi f"Ui g'GW\ k YXYb'ghUa a hžgcbXYfb''Ui W\ "X]fY_h']bg'<Yfn'XYf'`Ogh`]W\ Yb''DYf]d\Yf]Y''6Yf`]bghf]ZZh`"8]Y`[Y`VY': UfVY'XYf'GØXZfi W\ h'YbhZU`hYh'g]W\ "]b''GY[YfVYf[g'']i bghk Yf_Yb''\ k]Y'Y]b''`Yi W\ hYbXYf'6c[Yb''' a U`'gi Vh]`"]b''A i ghYfbjYfghYW_hž'a U`'U`g'ZfO\`]W\ Yg'Ga]`Ymž'XUg'X]Y'G]bbY'VYfUi gW\ h'''' $ YfghYW_hž'a U`'U`g'ZfO\`]W\ Yg'Ga]`Ymž'XUg'X]Y'G]bbY'VYfUi gW\ h'''' $ YfghYW_hž'a U`'U`g'ZfO\`]W\ Yg'Ga]`Ymž'XUg'X]Y'G]bbY'VYfUi gW\ h''''$

6UbUbYb i bX]\fY 6YXYi hi b[

"5VYf'k Ugʻ]gh'Ygʻa]h'X]YgYbʻ6UbUbYbž'X]YʻgcʻghUf_ʻ]a ': c_i g ghY\Yb3'6Yn]Y\h'g]W\'XUgʻUi ZʻX]YʻHUhgUW\Yž'XUggʻGW\k YXYbʻX]Y Yi fcdÀ]gW\YbʻA Y]ghYfʻ]a 'Dfc!?cdZlJ YfnY\f'X]YgYgʻj]hUa]bfY]W\Yb a dcfhgʻg]bX3'<Uh'X]Yʻ_fUZhj c``YʻGma Vc`]_'XYfʻ: UfVYʻ; Y`VʻYhk Ug XUa]h'ni 'hi b3'CXYfʻ]gh'Ygʻ[UfʻY]bYʻ<ca a U[YʻUbʻXYbʻ`Y[YbXÀfYb 5bXm'K Uf\c`3'J]Y``Y]W\h'VY[UbbʻU``Ygʻa]h'XYfʻDUfUX]YgZfi W\hž'U`g GW\ÒdZi b[g!5XUa 'ghc`nˈgY]bY`YfghYʻ6UbUbYʻgW\À`hY3'`

 $\label{thm:condition} $$]Y'6UbUbYžY]b'`\UbX`]WXYgž'[Y`VYg'K i bXYfž'gWXY]bh']b'XYf'K Y`h XYf'`\UfhYb': U_hYb'_Y]bYb'D`Uhn'ni 'Z]bXYb'''G]Y'k]fX'ni f'=_cbY'XYg DfchYghg'[Y[Yb'X]Y'YfbghYb'H\Ya Yb'i bgYfYf'NY]h''8Yf'Y]bZUWXY $$ bV`]W_Y]bYf'6UbUbYbgWXU`Y'_Ubb'5i hcf]hÀhYb']bg'Fi hgWXYb Vf]b[Yb'''?Y]b'K i bXYfž'XUgg'XUg'GdfUm!; <math>fUZZ]h$ J'Y]bYf'6UbUbY'ni a Gma Vc`'ZØf'_fYUh]j Y': fY]\Y]h'Uj UbW]Yfh']gh'''

8]Y ? Øbgh`Yf]b 'l `f]_U 'GY[YfVYf[

"I`f]_U'GY[YfVYf[ž'[YVcfYb'%-+*']b'9g_]`ghi bUž'GWk YXYbž']gh Y]bY'k U\fY'A Y]ghYf]b']\fYg': UWkg°'BUWkXYa 'g]Y'Ub'XYf'; Yff]h F]Yhj Y`X'5_UXYa]Y']b'5a ghYfXUa 'ghi X]YfhYž'\Uh'g]Y'gY]h'&\$\$% 6Yf`]b'ni ']\fYf'K U\`\Y]a Uh'[Ya UWkh"'=\fY'=\bghU``Uh]cbYb'Vf]b[Yb j YfgWk]YXYbY'A UhYf]U`]Yb'i bX'A YX]Yb'ni gUa a Yb' 'A U`YfY]ž ?YfUa]_ž'HYI h]`ž'J]XYcž'Hcb'i bX'HYI h' 'i bX'gWkUZZYb'`YVYbX][Yž XmbUa]gWkY'Ghfi _hi fYb"'=\b'X]YgYb'cZZYbYb'9fnÀ\`i b[Yb j YfgWka Y`nYb'Gma Vc`Yž': UfVYb'i bX': cfa Yb'ni '_Øbgh`Yf]gWkYb <Ò\Ydi b_hYb°''

• ~9fÒZZbi b[.~GUa ghU[ž~%-"~C_hcVYf~&\$&(ž~%)~~~%~~I\f

- a]h'dcYh]gW\Yb'FYZYI]cbYb'ØVYf'\X]Y'[Y`\VY'?i fj Y'i b\X gØ» Ya ': fi \W\h\ZY]g\W\'Ui \Z'\XYa '; f]```

•

8 Y hU]`c

6Ygi WXYb G]Y i bg Ui Z. a Y]b!VYf`]b bYh