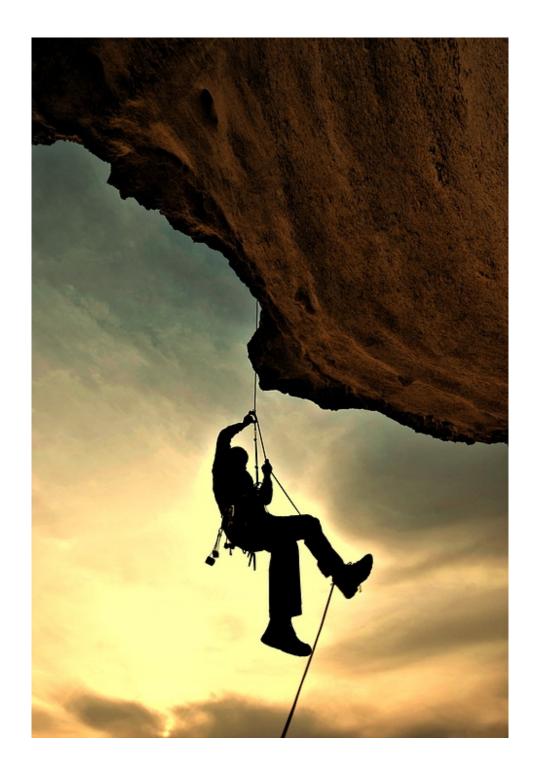


## GWX i hn j cf < Ui h\_fYVg. Ghi X]Y nY][ h < UbX`i b[ gVYXUfZ'VY]a 'GcbbYbgWX i hn

9fZU\fYb G]Y ]b X]YgYa '5fh]\_Y žk ]Y k ]W h][ XYf GW i hn j cf I J!GhfU\i b[ ']ghi bX k Ufi a 'Yg bchk YbX][ ']ghžg]W j cf < Ui h\_fYVg ni 'gW ØhnYb" 9bhXYW\_Yb 'G]Y X]Y '9f[ YVb]ggY 'Y]bYf fYdfÀgYbhUh]j Yb I a ZfU[ Y XYg 5C?!6i bXYgj YfVUbXYg i bX 'YfbYb 'G]Yžk Y `WX Y A U» bU\a Yb 'G]Y 'Yf[ fY]ZYb \_ObbYbži a \( \alpha fY < Ui h'j cf XYb 'gW \( \alpha X \)]W Yb '5i gk ]f\_i b[ Yb XYf 'GcbbY ni gW ØhnYb" '9fZU\fYb 'G]Y 'a Y\f 'ØVYf XUg 'fY[ Y`a \( \alpha \)][ Y JYfk YbXYb j cb 'GcbbYbgW i hna ]hhY `bžXYb 'JYfn]W h'Ui Z `Ub[ Y 'GcbbYbYI dcg]h]cb i bX 'XUg '5b[ YVch XYg < Ui h\_fYVggWfYYb]b[ g" Bi hnYb 'G]Y 'X]Y '7\UbW ža Y\f 'ØVYf X]Y [\alpha b[ ][ Yb \( \alpha fh\Øa Yf i bX 'I b\_Ybbhb]g ']a 'Ni gUa a Yb\Ub[ a ]h 'GcbbYbgW i hn ni 'YfZU\fYb i bX '`UggYb 'G]Y 'g]W 'j cb i bgYfYb 'H]ddg i bX F UhgW '\alpha [ Yb ni 'Y]bYf'VYk i gghYb i bX [ Ygi bXYb 'GcbbYbYI dcg]h]cb ']bgd]f]YfYb" '@UXYb 'G]Y 'Ui W k Y]hYfY '8 c\_i a YbhY ni f I a ZfU[ Y 'Ui Z'Uc\_"XY \Yfi bhYf"



A YbgWXYb']a a Yf'bcWX'b]WXh'Ui gfY]WXYbX'j cf'XYf'GcbbYgWXØhnYb"

9]b k ]Wk h][ Yg A ]hhY`ni fJ Yfa Y]Xi b[ 'j cb GcbbYbgWk AXYb ']gh'XYf fY[ Y`a Å»][ Y'; YVfUi Wk 'j cb GcbbYbWfYa Yg'i bX'!gdfUmg'a ]h \c\Ya @]Wk hgWk i hnZU\_hcf" =a ': fØ\ 'U\f'i bX'Gca a Yf'VYi [ Yb 'g]Wk 'YXcWk 'bi f'\_bUdd 'nk Y]'8 f]hhY`XYf'6YZfU[ hYb 'fl\*) 'DfcnYbhL'j cf" '9g nY][ h'g]Wk 'Ui Wk 'Y]b ; YgWk `YWk hYfi bhYfgWk ]YX. '6Y]'XYb : fUi Yb g]bX'Yg'+& DfcnYbhL'vY]XYb'A ÅbbYfb'bi f') , 'DfcnYbh''Fi bX'Y]b J ]YfhY`XYf'6YZfU[ hYb'fl&( 'DfcnYbhL'[ fY]Zh'bi f'ni 'VYgcbXYfYb 5b`AggYb'k ]Y'I f'Ui V'cXYf']a : fY]VUX'ni 'GcbbYbgWki hna ]hhY`b" 8Yf'J Yfn]Wk h'Ui Z``Ub[ Y'5i ZYbh\U`hY']b'XYf'GcbbY'i bX'XUg J Yfa Y]XYb'XYf'A ]hhU[ ggcbbY'g]bX'k Y]hYfY'k ]Wk h][ Y GWki hna U» bU\a Yb\(\frac{z}{z}X)Y''YxcWk' bi f'j cb'XYf' <\(\hat{A}'ZhY'Vnk'''(\%DfcnYbh'XYf'6YZfU[ hYb'[ Ybi hnh'k YfXYb''6Ygcf[ b]gYffY[ YbX']gh\(\frac{z}{z}X)GcbbYbgWki hna ]hhY``Ui Zhi hfU[ Yb''

CVk c\``) ('DfcnYbhXYf'6YZfU[hYb'Ub[YVYbž'5b[ghXUj cf'ni \UVYbž'Ub'<Ui h\_fYVg'ni 'Yf\_fUb\_Ybž'[]Vh'Yg'XYi h`]W\Yb BUW\\c`VYXUfZ'VY]'XYf'J cfgcf[Y"'A Y\f'U`g''YXYf'J]YfhY'UV'')

\*\J\fYb'f\b, 'DfcnYbh\b'b]a a h'XUg'5b[YVch'XYg

<Ui h\_fYVgg\fYYb]b[g'V]g\Yf'\ØVYf\Ui dh'b]W\h']b'5bgdfi W\"'9]b

J]YfhY``XYf'6YZfU[hYb'f\b\*'DfcnYbh\z\*X]Y'X]YgY'?cbhfc``Y'V]g\Yf

b]W\h'[Ybi hnh\\UVYbz'k i gghY'b]W\h'Y]ba U`z'XUgg'Yg'X]YgY'\@Y]ghi b[
[]Vh"'9I dYfhYb'k Y]gYb'XUfUi Z'\]bz'XUgg'fY[Y`a \(\hat{A}\rightarrow\)][Y'7\Y\\\!!I dg

k]\W\h]['g]b\Xz'i a '< Ui h\_fYVg'Zf\O\nY]h]['ni 'Yf\_YbbYb"'; YgYhn`]W\\
JYfg]W\YfhY'UV'') '\J\\fYb'\_\ObbYb'XUg'< Ui h\_fYVg!G\fYYb]b[
[Y[Yb'Jcf'U[Y']\fYf'; Ygi bX\Y]hg\_UfhY'U``Y'nk Y]'\J\\fY'VY]a

<Ui g!'cXYf'< Ui hUfnh'Xi fW\Z\O\fYb'`UggYb"

8]Y I a ZfU[Y nY][h'Ui WX ž'XUgg Yg']b '6Yni ['Ui Z'GcbbYbgWXi hn bcWX'j]Y YK ]ggYbg `ØW\_Yb i bX = fhØa Yf'[]Vh'' '6Y]gd]Y `gk Y]gY XYb\_h' YXYf'j]YfhY '6YZfU[hY 'f&+ 'DfcnYbhŁž'XUgg Yf'Xi fWX 5i hcgWXY]VYb 'Ui gfY]WXYbX'j cf'GcbbY'[YgWX Øhnh']gh'i bX'\_Y]bY GcbbYbWfYa Y'j Yfk YbXYb'a i gg"' > XXY 'ZØbZhY 'DYfgcb'f&& 'DfcnYbhŁ [`Ui Vh'ZÀ`gWX`]WXYfk Y]gYž'XUgg'a Ub']a 'GWX UhhYb'j cf GcbbYbVfUbX'[YgWX Øhnh']gh'' Ni XYa 'k ]ggYb'bUWX 'k]Y'j cf'(-

DfcnYbh'XYf'6YZfU[hYb'b]Wkhž'k Ug'XYf'@|WkhgWkihnZU\_hcf'VYXYihYh"

I a 'XUg'6Yk i gghgY]b'ZØf'<Ui h\_fYVg'i bX'GcbbYbgWki hn'ni ghÀf\_Ybž'\Uh'XYf'5C?!6i bXYgj YfVUbX'gY]bY
J Yfg]WkYfhYb\_ca a i b]\_Uh]cb'YbhgdfYWkYbX'Ub[YdUggh'i bX'fØW\_h
X]YgY'H\Ya Yb']b'XYb':c\_i g"

8]Y'l a ZfU[Y'k i fXY']a '5i ZhfU['XYg'5C?!6i bXYgj YfVUbXYg'j cb ZcfgU'Xi fWX[YZØ\fh"'Nk]gWXYb'XYa '&&"'A Àfn'i bX'("'5df]\'\&\$&(k i fXYb']bg[YgUa h'\%")\$, 'DYfgcbYb'UV'\%, '\\J\fYb']b'8Yi hgWX\UbX cb\\]bY'VYZfU[h"

EiY``Y. 5C?!6i bXYgj YfVUbX #chg

8 Y hU]`c

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