

#### 5W\_bck `YX[ Ya YbhcZ7ci bhfm

I BGK '5frgž8Yg][b'UbX'5fW,]h'Wi fY'? Ybg]b[hcb'UbX'DUXX]b[hcb'Wa di gYg'UfY'Vi ]'hcb'5Vcf][]bU`@UbXg"'K Y'dUmci f'fYgdYWrg'hc'h\Y'6]X'][U''UbX'; UX][U''dYcd'Yg'k\c'UfY'h\Y'7i ghcX]Ubg'cZh\YgY'`UbXg" K Y'UW\_bck 'YX[Y'h\Y'5Vcf][]bU`'UbX'HcffYg'GHfU]h=g`UbXYf'dYcd'Ygž'h\Y': ]fgh5i ghfU`]Ubgžk\cgY'`UbXgžk]bXg'UbX'k UhYfg'k Y'U``'bck 'g\UfYž'UbX'dUmfYgdYWhc'h\Y]f'i b]ei Y'j U'i Ygž'UbX'h\Y]f'Wcbh]bi ]b['UbX'YbXi f]b['W'h fYg'k\]W\XYYdYb'UbX'Ybf]W\h\Y'`]ZY'cZci f'bUh]cb'UbX'Wca a i b]h]Yg"''

 $\label{eq:continuous} \begin{array}{ll} \text{$\stackrel{\cdot\cdot}{\to}$ U[Y'WciftYgmicZh\Y'CZh\Y'Dfc'J]WY!7\lubWY``cf'$$$ bX][Ybcig']$$ Ybcig'ghfUhY[m] $$ $$ U[Y'WciftYgmicZh\Y'CZh\Y'Dfc'J]WY!7$$ $$ U[Y'WciftYgmicZh\Y'CZh\Y'Dfc'J]WY!7$$ $$ U[Y'WciftYgmicZh\Y'CZh\Y'Dfc'J]WY!7$$ $$ U[Y'WciftYgmicZh\Y'CZh\Y'Dfc'J]WY!7$$ $$ U[Y'WciftYgmicZh\Y'CZh\Y'Dfc'J]WY!7$$ $$ U[Y'WciftYgmicZh\X'Ch'Zh\Y'Dfc'J]WY!7$$ $$ U[Y'WciftYgmicZh\X'Ch'Zh\Y'Dfc'J]WY!7$$ $$ U[Y'WciftYgmicZh\X'Ch'Zh\X$ 

### ci fgY 8YHJ]`g

b]hg~cZ~7fYX]h~\*~

#### a a UfmcZh\Y'7ci fgY

\mbch^c]b^h\Y^f]W\žj]VfUbhUbX`X]jYfgY`Wcaaib]mcZ:fYbW\`gdYU\_Yfg`UfcibX`h\Y`kcfX`UbX`VYWcaY`U cVU``WjhjnYb3`H\Y`:fYbW\!gdYU\_]b[`kcfX`fYdfYgYbhg`cbY`cZh\Y`V][[Ygh`]bhYfbUhjcbU```]b[i]ghjWncbYg`]b Y`kcfX`k]h\`Ub`YghjaUhYX`&+(`a]``]cb`gdYU\_Yfg`gdfYUX`cb`U```)`WcbhjbYbhg"`

k]g:WeifgY:k]``HU\_Y:mei:Hkfei[\:HkY:VUg]Wg:cZ`Ub[iU[Y:UWei]g]H]cb:UbX:]bHfeXiWY:mei:He:Y`YaYbhg:cZ YbWX:Wi`hifY.:mei:k]```[U]b:HkY:VUg]WWeadYHYbW]Yg:bYWYggUfmhe:gdYU\_:UbX:kf]HY:UVcihmeifgY`Zzmeif a]`mz:meif:Zf]YbXg:UbX:meif:dYfgcbU``dfYZYfYbWYgz:UbX:HYUWX:mei:\ck:he:]bHfeXiWY:meifgY`ZUbX:]bHYfUWh ddfedf]UHY`mi]b:U'dfeZYgg]cbU``Ybj]febaYbH'

mth.Y:YbX:cZth.]g:WcifgYžmcik.]``VY:UV:Y'tc:cfXYf:X]bbYf:]b:DUf]gž:]btfcXiWY:mcifgY:Ztc:mcif:bYk:fybW.!dYU\_]b[:Wc``YU[iYg:cfaU\_Y:Zf]YbXg:k.]th.:fUbWcd\cbY:W]t]nYbg:ZfcaU``cjYfth.Y:k.cfX":Mcik.]```U`gc:VY ]jYb:th.Y:YggYbt]U``tcc`g:tc:Zifth.Yfmcif:X]gWcjYfmcZth.Y``Ub[iU[Y:UbX:YaVUf\_icb'U``YUfb]b[:'cifbYmth.Uh UmbYjYf:gtcd""":U```]b:`cjY:k.]th.Th.Y``Ub[iU[Y:UbX:W\`tifY:UbX:gtUfhXfYUa]b[:UVcitimcif:bYIti\c`]XUm f'mcif:ZififY:k.cf\_Ugg][baYbtzkY:UfY:\YfY'tc:\Y?d'mcif:UW.]YjY:mcif:[cU`g"

l\]g`WcifgY`]g`U`VY[]bbYfg!`YjY```Ub[iU[Y`WcifgY"`5```ghiXYbhg`k\c`\UjY`\UX`gcaY`YIdYf]YbWY`k]h\`h\Y Jb[iU[YžY]h\Yf`Ug`U`\Yf]hU[Y``Ub[iU[Y`cf`h\fci[\`dfYj]cig`]bghfiWh]cbžaighZ]```]b`h\Y`d`UWYaYbh iYgh]cbbU]fY`UjU]`UV`Y`Uh\hdg.#kkk"Ufhg"ibgk"YXi"Ui#\U`#ghiXmlig#YgcifWrg!giddcfh#Ub[iU[Y! <u>`UWYaYbhg</u>"`Mci`k]```bchVY`dYfa]hhYX`hc`Ybfc``]b`U``Ub[iU[Y`WcifgY`h\Uh]g`hcc`YUgmZcf`mci"`=Zh\]g ;WWfgžmci`k]```VY`fYeiYghYX`hc`W\Ub[Y`mcif`Ybfc`aYbh"

## 7cifgY`@YUfb]b[`CihWcaYg

- %" I gY`U`j YfmVUg]WfUb[Y`cZj cWUVi `UfmUbX`d\fUgYg`]b`: fYbVX`UbX`Udd`m'U`ZYk `g]a d`Y`fi `Yg`cZ [fUa a Uf
- &" ⇒YbhjZmYggYbhjU``ghfi WhifU``X]ZZYfYbWrg`VYhk YYb`bUhjj Y``Ub[i U[Y`UbX': fYbWk
- $\label{eq:continuous} \verb| `" | b X Y f g h U b X `` U b X `` i g Y `` h N Y `: f Y b W `` `` U b [ i U [ Y `] b `g N c f h ] b h Y f U W n c b g `] b `` Z J a ] `] U f `` Y j Y f m X U m i g ] h U h] c b g \label{eq:continuous} | b \text{ } X \text{ } a \text{ } a \text{ } b \text{ } Y b \text{ } X \text{ } a \text{ } b \text{ } Y b \text{ } X \text{ } a \text{ } a \text{ } b \text{ } a \text{ } a \text{ } b \text{ } a \text{ } b \text{ } a \text{ } b \text{ } a \text$
- ("7ca dUfY`UbX`i gY`Uddfcdf]UfY`XY[fYYg`cZZcfa U`]hmicZYI dfYgg]cb`]b`VcbbX`ZJa]`]UfbU\$X`dfcZYgg]cbU`Ybj]fcbaYbhg

### HYUW ]b[ GhfUhY[ ]Yg

K Y`\Uj Y`XYg][ bYX`h\]g`Wci fgY`hc`[ ]j Y`mci `ZYI ]V]`]hm`]b`mci f``YUfb]b[ ža UI ]a i a `]bhYfUWf]cb`k ]h\`mci f`hi hcf UbX`mci f`dYYfgž`UbX`WcbgHUbhZYYXVUW\_cb`\ck `mci `UfY`Xc]b[ "

- ]b h Y Wti fgY"
- : YYXVUW\_. 'Yj Yfmig]b[ `Y 'Wca dcbYbh']b 'h\Y 'Wci fgY ']g 'WcbXi WJ Y 'hc 'ZYYXVUW\_'fUi hca UhYX 'ZYYXVUW\_ ]b 'cb `]bY 'UWJ] JhJYgžj YfVU `UbX 'k f]hHYb 'ZYYXVUW\_ 'Zfca 'mci f'h hcft" 'H\Y 'Wca d`YhJcb 'cZU'fYZYWJ Y 'YUfb]b[ 'ci fbU`k]``\Y`d'mci 'Wcbgc`]XUhY 'UbX'YI dUbX'mci f'`YUfb]b[ 'UbX'\Y`d'i g'Z]bX'k Umg'hc gi ddcfhmci f'k Y``!VY]b[ 'UbX'gi WWgg]]b 'h\Y 'Wci fgY"

 $5 \times X ] \ f| cbU cdf| cbU cb'] \ bY \ UWf j \ ] \ fY \ UY \ U j \ U] \ UV Y \ Zcf' Z \ ff \ Yf' \ df \ UWf \ Y \ Zcf' Z \ ff \ Yf' \ df \ UWf \ Y \ Zcf' Z \ ff \ Yf' \ df \ Y$ 

# 5ggYgga Ybh

HfUj Y``UffUb[ Ya Ybhgʻa UXY`df]cf`UbX#cf`UZYf`h\Y`di V`]WUh]cb`cZh\]g`Wci fgY`cj Yfj ]Yk `UfY`bch'U`j U`]X YI W gY`Zcf`h\Y`fYgW\YXi`]b[ `cZUbmUggYgga Ybh'

D`YUgY`bchY`h\Uhiti hcf]U`g`f]bWi X]b[`cb`]bY`ti hcf]U`g`]b`Ncca Ł'k]``bchVY`fYWcfXYX`Zcf`Vch\`df]j UWmUbX UthYbXUbW'di fdcgYg"5hh/bXUbW'hc`ti hcf]U`g`]g`YggYbh]U``hc`gi WWggž'YgdYW]U``mVYWUi gY`gca Y`UWfjj ]hjYg]b`h\Y`fYZYWfj Y``YUfb]b[`^ci fbU``k]``XfUk`Zfca `mci f`Yl dYf]YbW']b`WUgg"

5ggYgga Ybh'tUg_	K Y][ \h	8iY'8UHY	7 ci fgY @YUfb]b[ Ci hWca Yg 5ggYggYX
%"FYZYW¶jY``YUfb]b['&ifbU`	· \$I	l bh]``k YY_'%\$`flUgh gi Va ]gg]cb'Xi Y'A cbXUm k YY_'%%L	%ž &ž'
&"Ei]nnYg	(\$1	E i ]n '%'Uj U]`UV`Y 'VYlk YYb \$&#\$+'UbX'\$) #\$+#&\$&& Ž 'E i ]n &'k ]```VY'Uj U]`UV`Y 'VYlk YYb ' \$#\$+'UbX'\$&#\$, #&\$&&"</td><td>%<u>`</u>'</td></tr><tr><td>' "'J ]XYc 'Ugg][ ba Ybh</td><td>' \$ı</td><td>8i YicbiZjfghXUmcZ: cfa Ui 9l Ua iDYf]cX</td><td>%ž' ž'(</td></tr></tbody></table>	

5ggYgga Ybh'% FYZYW]j Y ``YUfb]b[ 'ci fbU`

GHJfhXUhY.: fca k YY\_%žcb[c]b[k YY\_m

 $\label{eq:continuous} 5\,ggYgga\ Ybh``Yb[\ h\..\,'\%'hc\,'\&\$'a\ ]bi\ h\'g'dYf'k\ YY\_'f\%)\ 'a\ ]bi\ h\'Yg'cb'`Uj\ YfU[\ Yk]$ 

Gi Va ]gg]cb bchYg.

\$&#\$, #&\$&&"

Ghi XYbhgʻk ]``Wca d`YhYʻhk cʻcb`]bYʻei ]nnYgʻcZ' \$`a ]bi hYgʻYUWXžYUWX`k cfh\`&\$i "'Ghi XYbhgʻk ]``VYʻei ]nnYX cbʻj cWUVi `UfmUbX`[ fUa a Uf'': YYXVUW\_`[ ]j YbʻUi hca UhJWU`m'

Gh XYbhg WJb Wcbgi `hh\Y``YWh fYf`cf'h hcf'Zcf'Z fh\Yf'ZYYXVUW\_"

H\]g^]g^bchU^Hi fb]hb^Ugg][ ba Ybh

#### 5XX]h]cbU`XYhU]`g

H\Y`ghi XYbhg`k]``\Uj Y`Zci f`XUmg`hc`Wca d`YhY`YUW\`ei]nn/h\Y`ei]nnYg`WUb`VY`Zci bX`]b`A ccX`Y"`H\YfY`k]`` VY`cbY`UhhYa dhcb`mž`k]h\`U''\$!a]bi hY`hJa Y``]a]hVYZcfY`Z]bU``gi Va]gg]cb"`±ik]``bchVY`dcgg]V`Y`hc`UhhYa dh h\Y`ei]nnYg`UZhYf`h\Y`XYUX`]bY"

### 5ggYgga Ybh' . 'J ]XYc 'Ugg][ ba Ybh

5ggYgga Ybh`Yb[ h\.'' 'hc') 'a ]bi hYg'cZj ]XYc'fYWcfX]b[ Gi Va ]gg]cb'bchYg. '5```Yl d`UbUh]cbg'cb'j ]XYc'Ugg][ ba Ybhgi Va ]gg]cb'k ]``'VY'[ ]j Yb']b'k YY\_''%\$" 8i Y'XUhY. '8i Y'cb'Z|fghXUmcZ: cfa U`'9l Ua 'DYf]cX

Ghi XYbhgʻk ]```Wca d`YhYʻUʻj ]XYcʻUgg][ ba YbhcZ' ˈhcˈ) ʻa ]bi hYg"ʿGhi XYbhgʻk ]```Z[`a ˈh\Ya gY`j YgʻUbXʻfYd`m cfU`mhcʻUʻqdYWZWei Yghcb"

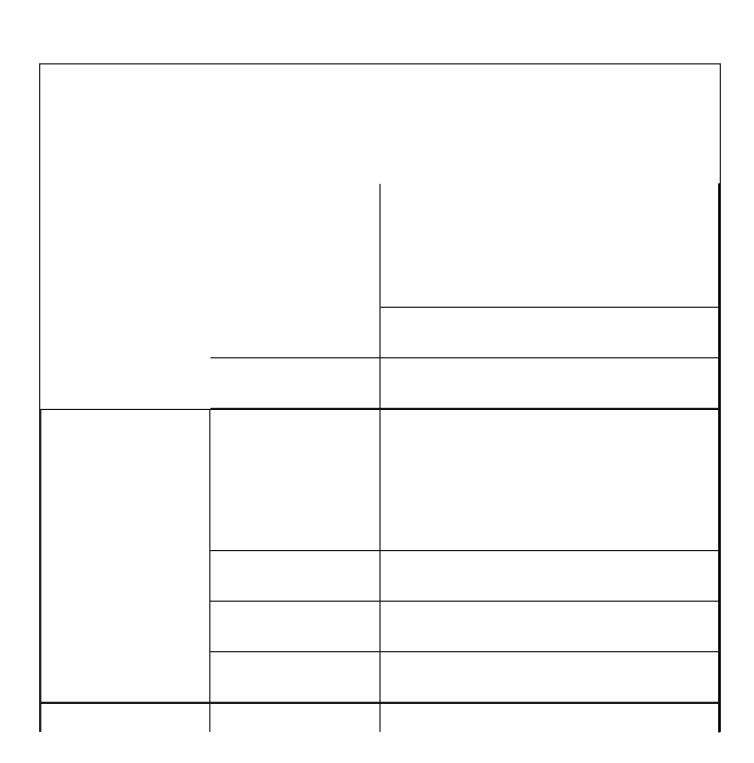
 $: YYXVUW_k ] ``VY'[] j Yb'] b'fi Vf] Wg'Z'dYfgcbU``Wca a Ybhg''`Ghi XYbhg'`WUb'`Wcbgi `hh\Y``YWhi fYf'Zcf'Z fh\Yf ZYXVUW_"$ 

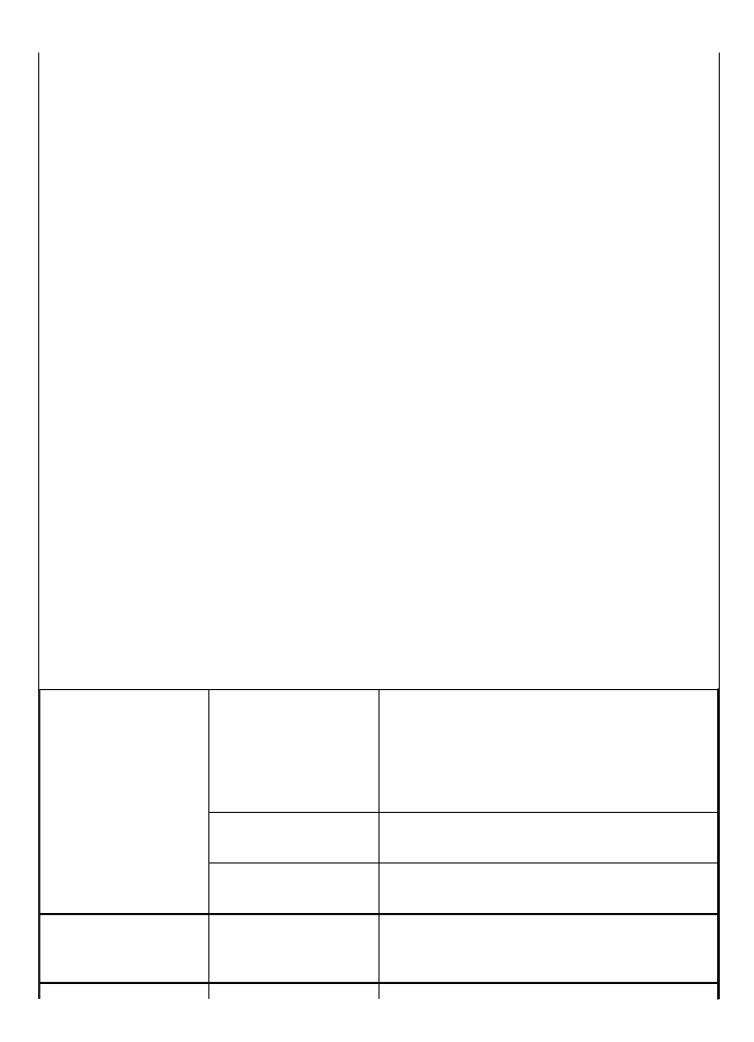
H\]g ]g bchU Hi fb]hb Ugg][ ba Ybh

#### 5XX]h]cbU`XYhU]`g

5i X]c Z[Y gi Va ]gg]cbg k ]h\ci hj ]XYc k ]``bchVY UWWdhYX"

Gh XYbhgʻUfYʻghfcb[`mYbWci fU[YX'hcʻgi Va]hh\Y]fʻj]XYcʻUʻZYkʻ\ci fgʻ]bʻUXj UbWYʻUgʻi d`cUX'h]a Ygʻa Um j UfmUbXʻVYWca Yʻ`cb[Yfž'YqdYWJU`mWcqYfʻhcʻh\Y`XYUX`]bY"





K YY_'+.'%%'>i `m!''%) >i `m	Cb`]bY`5WNjj]hm	&`cb`]bY`±bHYfUWHjiY'@Yggcbg.		
		<ul> <li>* "%1 DcggYgg]cbždUfh&amp;fhc VY Wca d`YhYX VYZcfY h hcf]U``%</li> <li>* "&amp;1 E i Ygh]cbg Ž F YZYI ]j Y j YfVg fhc VY</li> </ul>		
		Wca d`YhYX <b>‰</b> ]		
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F Ygci fWYg DfYgWf]VYX F Ygci fWYg

## Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

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Image: Ybwci bhYf'U'dfcV'Ya k \Yb'UhYa dhjb['hc'gi Va ]hmci f'Ugg][ ba Ybhh\fci [\'Hi fb]h]bz'd'YUgY

HY'Yd\cbY'9| hYfbU''Gi ddcfhcb'-', ) "''' %cf'Ya U]''h\Ya 'cb'Y! hYfbU'hY'hgi ddcfh4 i bgk "YXi "Ui ""Gi ddcfh
\ci fg'UfY', .\$\$Ua '-'%\$.\$\$da 'cb'k YY\_XUmg'UbX'-.\$\$Ua '-').\$\$da 'cb'k YY\_YbXg'fl \*) 'XUmg'U'mYUft'''=\mathred{Image: Wa Jhmci f'Ugg][ ba YbhXi Y'hc'U'ZJi 'hk ]h\'Hi fb]h]b'mci 'a UmUdd'm\mathred{Image: Wa Jhmci f'Ugg][ ba YbhXi Y'hc'U'ZJi 'hk ]h\'Hi fb]h]b'mci 'a UmUdd'm\mathred{Image: Wa Jhmci f'Ugg][ ba YbhXi Y'hc'U'ZJi 'hk ]h\'Hi fb]h]b'mci 'a UmUdd'm\mathred{Image: Wa Jhmci f'Ub'Y! hYbg]cb\mathred{Image: Wa Jhmci h\Yf'f'Y'j UbhXcW a Ybhg\mathred{Image: Wa Uj''9! hYfbU''Gi ddcfhmci 'k ]'`

JbWi XY'Ug'Yj ]XYbW' hc'gi ddcfhmci f'Y! hYbg]cb'Udd']\wUh]cb"'\mathred{Image: Wa Uj''9! hYfbU''Gi ddcfhmci 'k ]'`

Ui hca Uh]\wU'`mfYW']j Y'U'h]\w\_Yhbi a VYf\mathred{Image: hY'Yd\cbY'mci 'k ]\tag{Y}\wu''mug\_'\mathred{Image: Wa'\mathred{Image: hY}\wu''mug\_'\mathred{Image: hY}\wu''mug\_'\mathred{Image: hY}\wu''mug\_'\mathred{Image: hY'Yd\cbY''mci 'k ]\tag{Y}\wu''mug\_'\mathred{Image: hY'\mathred{Image: hY'\mathred{I

; YbYfU``mž'UggYgga YbhiHug\_g'a i ghVY'gi Va ]hhYX'Y`YVWfcb]\W)``mij ]U'Y]h\Yf'Hi fb]h]b'cf'U'A ccX`Y Ugg][ ba Ybh'' =b']bgHJb\W'g'k \YfY'h\]g']g'bchdcgg]V`Yž']hk ]```VY'gHJhYX'cb'mci f'\\circ i fgY'g'A ccX`Y'g]hY'k ]h\U`hYfbUhjj Y'gi Va ]gg]cb'XYHJ]`g''

cfi]bZcfa Uhjcbicbi\ckihcigi Va ]hUgg][ ba Ybhgicbi]bYij ]UiA ccXiY.i\hdg.#gh XYbhi bgk "YXi "Ui #\ck! gi Va ]hUgg][ ba Ybha ccXiY

# 5 WUXYa ]W<cbYghmUbX D`U[]Uf]ga

D`U[]Uf]ga i]gii g]b[ih\Yik cfXgicfi]XYUgicZch\YfgiUbXidfYgYbh]b[ih\Ya iUgimci fick b"i=iWUbihU\_Yia Ubm Zcfa gžZfca iXYi]VYfUhYiWXYUh]b[ihciUWW]XYbhU`mWcdm]b[iZfca iUigci fWYik]h\ci hiUW\_bck iYX[Ya Ybh'i

# 5 WUXYa ]W + DZcfa Uhjcb

8 i Y 'hc 'Yj c'j ]b[ 'UXj ]WY 'VmBGK '<YU'h\z'gh XYbhg'a i ghW\YW\_'Zcf'i dXUhYX']bZcfa Uh]cb 'fY[ UfX]b[ 'cb`]bY 'YUfb]b[ 'Zcf'U``'5fhgž'8Yg][ b 'UbX'5fW\]hYWi fY 'Wci fgYg'h\]g'hYfa 'fJ ]U'A ccX'Y'cf'Wci fgY']bZcfa Uh]cb dfcj ]XYX"L

: cf`YggYbhJU``ghi XYbh`]bZcfa UhJcb`fY`UhJb[ 'hc.