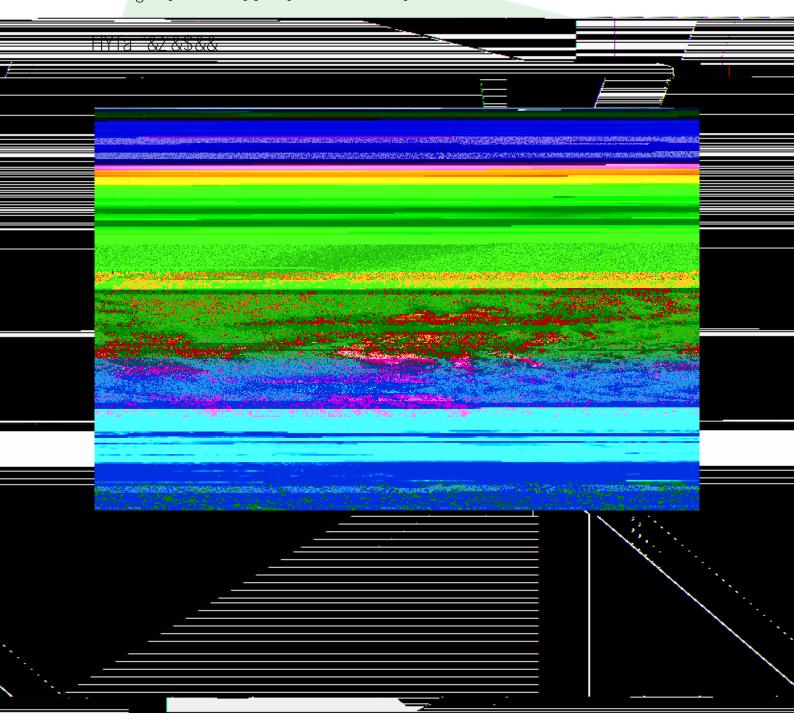


# **MODL5108**

HfUbg`Uhcb'7Yfh]Z]WUhcb'DfYdUfUhcb



# 7ci fgY<sup>·</sup>Cj Yfj ]Yk

## GhJZZ 7 cbhJWh 8 YhJ] g

## 7cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]lm	@cWUh]cb	D\cbY
5`]gU'H]Ub	<u>U`lgU"hJub4 i bgk "YXi "Ui</u>	: f]XUm'&!%da fVmUddc]bha YbhŁ	A cfj Yb 6fck b'&&(	

## Hi hcfg

BUa Y	9a U]`	5j U]`UV]`]hm	@cWUh]cb	D\cbY
5`]gU'H]Ub				

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

I BGK '5fhgž'8Yg][b'UbX'5fW]hYWhifY'?Ybg]b[hcb'UbX'DUXX]b[hcb'WUadigYg'UfY'Vi]hhcb'5Vcf][]bU`

## 5ggYgga Ybh

8YHJ]`YX`]bZcfa Uh]cb`UVci hh\Y`UggYgga Ybh'HJg\_g`k]```VY`dfcj ]XYX`]b`h\Y``YWh fY`]b`K YY\_`%"

5ggYgga Ybh'tUg_	K Y][ \h	8iY'8UHY	7 ci fgY @YUfb]b[ Ci hWca Yg 5ggYggYX
%"'HfUbg`Uh]cb'Ugg][ ba Ybhg	) \$1	Bch5dd`]WUV`Y	&ž <sup>.</sup> ' ž <sup>.</sup> (
&""HfUbg`Uhjcb"YI Ua	) \$1	: cfa U``9I Ua 'DYf]cX	%ž''

### 5ggYgga Ybh% HfUbg`Uh]cb Ugg][ ba Ybhg

Cb[c]b['hfUbg`Uh]cb'Ugg][ba Ybhg']b'Vch\'X]fYWf]cbg"

 $: YYXVUW\underline{\ \ }^*k\ ]^*\underline{\ \ }^*VY^*[\ ]\underline{\ \ }^*U^*U^*fi\ Vf]\underline{W}^*bi\ a\ Yf]\underline{W}^*\underline{\ \ }^*[\ fUXY''$ 

H\]g`Ugg][ ba Ybh]g`gi Va ]h\X`h\fci [\'Hi fb]h]b`UbX`ghi XYbhg`Xc`bchgYY`Hi fb]h]b`g]a ]`Uf]hmfYdcfhg"

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

Gh XYbhg k]``gi Va]hZci f'hfUbg`Uh]cbg UbX fYj]g]cb 'HUg\_g']b YUVX X]fYWf]cb"``

#### 5ggYgga Ybh& HfUbg`Uhjcb Yl Ua

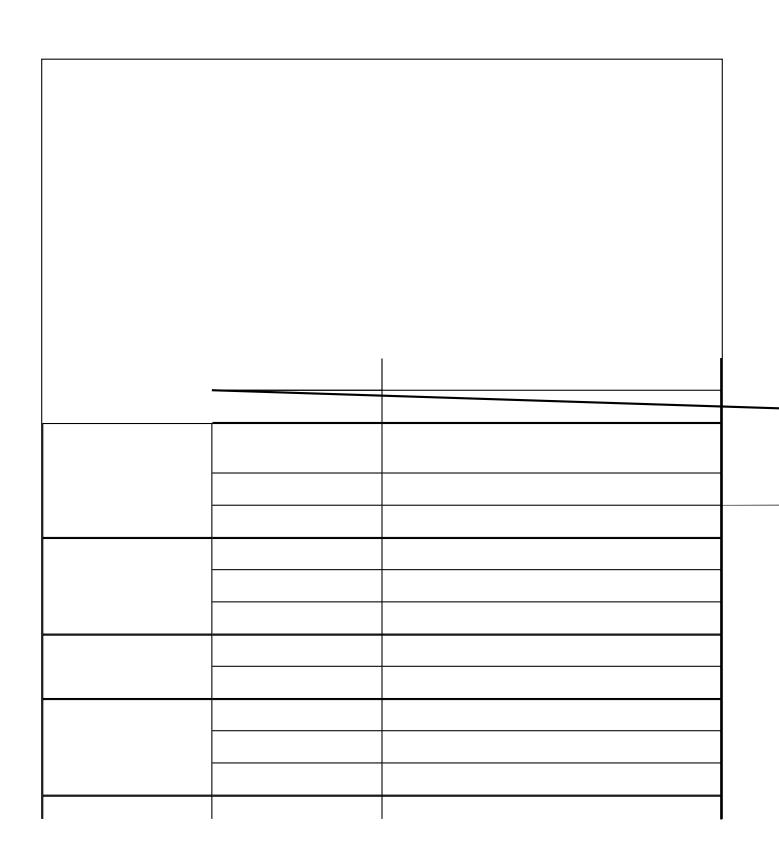
8i Y'XUhY.': cfa U`'9l Ua 'DYf]cX

: ]bU^YI Ua ]bUhcbcZhfUbg`Uhcbk]h\^AghJWUhcb]bVch\X]fYWhcbg"

: YYXVUW\_'k ]``VY'[ ]j Yb'j ]U'U'fi Vf]\\'bi a Yf]\\'\'[ fUXY"

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

 $\label{thm:conditional} Hk\ c\ Yl\ Ua\ ]bUh]cb\ dYf]cX\ z\ cbY\ ]bhc\ @C\ H9\ UbX\ cbY\ ]bhc\ 9b[\ ]g\ "\ 9UW\ Yl\ Ua\ ]bUh]cb\ `Ughg\ &")\ \ \ fg$ 



### FYgci fWyg

#### DfYgWf]VYX F Ygci fWYg

D`YUgY`fYUX`h\Y`a UhYf]U``cb`h\Y`7Yfh]Z]YX`HfUbg`Uhcf`hYghcb`h\Y`B55H=kYVg]hY`UhbUUh]"Wca "Ui 'j Yfm WUfYZ ``m'`'=hWcbhU]bg`]bZcfa Uh]cb`UVci hih\Y`WYfh]Z]WUh]cb`hYghz`h\Y`fYj ]g]cb`hYghg`UbX`\Ug`dfUWf)WY`a UhYf]U`"

H\Y'BUhcbu``5\WhYX]huhcb'5i h\cf]mmZcf'HfUbg`Uhcfg'UbX'\DhYfdfYhYfg.'k k k "bUUh]"\can "Ui

#### FYWca a YbXYX FYgci fWyg

 $< ci gY\check{z} > i `]UbY"``' < ck `Xc`k Y`\_bck `k \Yb`U`hfUbg`Uh]cb`]g`[ ccX"```7i a]` cZ_X ecR_d]ReZ _ R_U ^ f]et]Z_Xf R] eVi e ac` Uf TeZ _, SVj ` _U T` _eV_ef&$$%L `%&+!%* $"`6Yf]b#BYk `Mcf_.``A ci hcb`XY`; fi mhYf"`$ 

? ]a žA ]fU"'"A YUb]b[!cf]YbhYX'UggYgga YbhcZhfUbg`Uh]cbg. `G: @'UbX']hg'Udd`]WUh]cb'hc'Zcfa Uh]j Y UggYgga Ybh'"' VdeZ\_X R\_U RddVdd^ V\_eZ\_ecR\_d]ReZ\_ R\_U Z\_eVcacVeZ\_X def UZVd'f&\$\$- Ł '%'!), "

 $A Y`Vm\~z5`Ub\~zDUi ``: ]Y`Xg\~z8\,Ufm`F "'< U[i Y\~z; Yc$ZfYmG"'? cVm\~zUbX`5fY`@ca a Y`"`~8YZ]b]b[`'fh\Y``UbXgWUdYcZlfUbg`Uh]cb"~~cRUf ^ keZlR %&`f&$%( Ł `$' - &! ( $' "$ 

A cggcdž6f]Ub" VgZdZ\_X R\_U VUZZ\_X WcecR\_d]Re cd f&\$% L"@cbXcb#B M F ci hYX[Y"

A i bXUmž'>YfYa m'';\_ec` Uf TZ\_X ecR\_d]ReZ \_ def UZ/d'f&\$\$%\&\$\$, #&\$\&#&\$\%\*.`Ubm'YX]h]cb\!''@cbXcb#B M F ci h'YX[ Y''

 $\label{eq:dwcbm} Dma~\tilde{z}5bh\cbm''~HYI~hUbX~f]g_i]b~hfUbg~Uh]cb''~7~c]W~UbX~X]ZZYfYbW~]b~hfUbg~Uh]cb''~YV~daVTZZId~W~eR~dWc~f&$$($L~\&+$!(\&")$ 

H\Y'5i ghfu`]Ub`\Dghh hY'cZ\DhYfdfYhYfg'UbX'HfUbg`Uhcfg. kkk"Ui g]h'cf]

I BGK '@YUfb]b[ '7 YbffY. \hdg. #bi WYi g"i bgk "YXi "Ui #/b#NUa di g!\]ZY#\\Y!\YUfb]b[!WYbffY

I BGK 'Ga UffH\]b\_]b[.:\httdg.#ghi XYbh'i bgk "YXi "Ui #ga Uff\\]b\_]b[

7 ci fgY '9j U'i Uh]cb 'UbX '8 Yj Y 'cda Ybh

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

### Hi fb]h]b Gi Va ]gg]cb

Image: Ybwei bhyfu'dfcv'ya k \yb'uhhya dhjb[ 'hc'gi va ]hmci f'Ugg][ ba Ybhh\fci [ \ 'Hi fb]h]bž'd'YUgY

Hy'Yd\cby'9| hy'fbu''Gi ddcfhcb'-', ) '' ' ' %cf'Ya U]''h\Ya 'cb'Y! hy'fbu'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'''=Z'mci
UfY'i bUV'Y'hc'gi va ]hmci f'Ugg][ ba YbhXi Y'hc'U'ZJi 'hk ]h\ 'Hi fb]h]b'mci 'a Um'Udd'mZcf'Ub'Y! hy'bg]cbž'Vi hmci
a i ghfYhJ]b'mci f'h]W\_Yhbi a VYf'Zfca '9! hy'fbU''Gi ddcfhfU'cb[ 'k ]h\ 'Ubmch\Yf'fy'Yj UbhXcW a Ybhgt'hc
]bWi XY'Ug'Yj ]XYbW' hc'gi ddcfhmci f'Y! hy'bg]cb'Udd']WUh]cb"'=Zmci 'Ya U]''9! hy'fbU''Gi ddcfhmci 'k ]'`
Ui hca Uh]WJ'`mfYW']j Y'U'h]W\_Yhbi a VYfž'Vi h]Zmci 'hY'Yd\cbY'mci 'k ]``bYYX'hc'gdYW]Z]WJ'`mUg\_'Zcf'cbY''
Hi fb]h]b'U'gc'dfcj ]XYg'i dXUhy'g'cb'h\Y]f'gmghYa 'ghUh' g'cb'Hk]hyf''

; YbYfU`mž'UggYgga YbhiHug\_g'a i ghVY'gi Va ]hhYX'Y`YVWfcb]\WJ``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`hYfbUh]j 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 = b Zcfa Uh cb

8 i Y'hc'Yj c'j ]b[ 'UXj ]WY'VmBGK '<YU'h\ž'ghi XYbhg'a i gh\W\Y\\\_'Zcf'i dXUh\Y\']bZcfa Uh]cb'fY[ UfX]b[ 'cb`]bY 'YUfb]b[ 'Zcf'U``'5fhgž'8Yg][ b'UbX'5f\W]h\Y\Mi fY'\\chi fgYg'h\]g'h\fa 'fJ ]U'A ccX'Y'cf'\\chi fgY']bZcfa Uh]cb dfcj ]XYX"Ł

: cf'YggYbh]U`gh XYbh]bZcfa Uh]cb fY`Uh]b[ hc.

- fYei Yghg 'Zcf'Yl hYbg]cb/
- `UhY`gi Va ]gg]cbg`[i ]XY`]bYg/
- fYj]Yk cZa Uf\_g/
- I BGK '< YU`h\ 'UbX'GUZYhm'dc`]\\\Yg/
- YI Ua ]bUhcb dfcWXi fYg/
- gdYWJU``Wcbg]XYfUhJcb']b'h\Y'Yj YbhcZ]``bYgg'cf'a ]gUXj Ybh fY/
- gh XYbhYei ]mUbX X]gUV]`]m/
- UbX'ch\Yf'YggYbhJU`'UWUXYa ]W]bZcfa UhJcbz'gYY

\hdg.#kkk"ibgk"YXi"Ui#Ufhg!XYg][b!UfW\]hYWhifY#ghiXYbH`]ZY#fYgcifWYg!giddcfh#dfchcWc`g![i]XY`]bYg

#### a U[Y'7fYX]h

D\chc VmHmYfA ]``][ Ub pl bgd`Ug\