



# CVEN3303

GHYY`Ghfi Wñ fyg

HYfa `CbY`##`&\$&%

GWcc`cZ7 Jj J`UbX`9bj Jfcba YbñU`9b[ ]bYYf]b[ `##`I BGK ``9b[ ]bYYf]b[

7ci fgY`Cj Yfj ]Yk

GHJZZ7cbHJW`8YHU]`g

7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]]]m	@cWU]hcb	D\cbY
GWYbh]U`DfcZA Uf_` 6fUXZcFX	a "VfUXZcFX4 i bgk "YXi "Ui			

5Xa ]b]ghfUhc fg

B Ua Y	9a U]`	5j U]`UV]]]m	@cWU]hcb	D\cbY
L ]bdY]`@j	dYbX]b[ 4 i bgk "YXi "Ui			

GW\cc``7cbHJW`bZcfa Uh]cb

[9b\[ \]bYYf\]b\[ `Gh XYbhGi ddcfhGYfj \]Wg](#) :-`H\Y`Bi WYi g`!`Ybfc`a Ybhz`dfc[ fYgg]cb `WX YW\_gz`WUg\`fYei Yghz  
Wci fgY`]ggi Yg`cf`dfc[ fUa !fY`UH`X`ei Yf]Yg`

[9b\[ \]bYYf\]b\[ `bXi ghf\]U`HfU\]b\]b\[ \]`-`bXi ghf\]U`HfU\]b\]b\[ \]`ei Ygh\]cbg`](#)

[I\\_BGK `Gh Xm5VfcUX](#) :-`gh XmiUVfcUX`gh XYbhYbei ]f]Yg`fZc`f]bVci bX`gh XYb]hg`

[I\\_BGK `9I WU\]b\]Y](#) :-`gh XYbhYI WU]b[ Y`Ybei ]f]Yg`fZc`f]bVci bX`gh XYb]hg`

[I\\_BGK `: i h fY`Gh XYb\]g](#) :-`dchYbh]U`gh XYbhYbei ]f]Yg`Y["`UXa ]gg]cbgz`ZYg`z`dfc[ fUa g`z`WYX]hifUbgZYf`

D\cbY`

fZ`\*%&E`-` , ) ` , ) \$\$`-`Bi WYi g`Gh XYbh<i V`

fZ`\*%&E`-` , ) `+`\*`\*`-`9b[ ]bYYf]b[ `bXi ghf]U`HfU]b]b[ ]`

fZ`\*%&E`-` , ) ``%+`-`-`I\_BGK `Gh Xm5VfcUX`UbX`I\_BGK `9I WU]b[ Y`fZc`f]bVci bX`gh XYb]hg`

## 7ci fgY'8YHJ]`g

7fYX]hDc]bqg`\*`

Gi a a UfmicZ`hY'7ci fgY

5`Wci fgY`cb`hY`XYg][ b`WcbW`dHg`UbX`XYg][ b`cZgfi W`i fU`Y`Ya Ybq`gi V`YWhc`VYbX]b[ ž`g`YUf`UbX  
W`a V]bYX`VYbX]b[ `UbX`U]U`W`a dFYgg]cb`"Hcd]Vg`]bWi XY. `]bHfcXi W]cb`h`"ja ]hgtUH`g`XYg][ b`UbX`W`cXYg  
cZdfUW]W`fXYg][ b`cVYW]j Yg/gfYb[ h`UbX`gYfj ]WUV]`]m`"ja ]hgtUH`g`cUXg`UbX`cUX`W`a V]bUH]cbg  
fdYfa UbYb`h`XYUX`ž]a dcgYX`#]j Y`UbX`k ]bX`cUXg`/XYg][ b`cZgfi W`i fU`g`hY`"h`bg]cb`a Ya VYfg/9i`Yf  
W`i a b`Vi W`]b[ /XYg][ b`cZgfcW`mUbX`g`YbXYf`W`a dFYgg]cb`a Ya VYfg/XYg][ b`cZ`UH`fU`migi ddcfH`X`ghY`  
VYUa gž`UH`fU`mi bgi ddcfH`X`ghY`"VYUa g`fUH`fU`!h`fg]cb`U`Vi W`]b[ `]b`VYbX]b[ `UbX`g`YUf`gfYb[ h`h`/  
ghY`"VYUa !W`i a bg`f]b!d`UbY`UbX`ci h`cZ`d`UbY`Z]i`fY`/ghY`"a Ya VYfg`gi V`YW`YX`h`V]U]U`VYbX]b[ /  
XYg][ b`cZghY`"Z`Ua Ygž`ghY`"W`bbYW]cbg`UbX`XYHJ]`b[ `fZ`fW`UbX`a ca YbhW`bbYW]cbg`"

## 7ci fgY'5]a g

H`Y`U]a `cZ`h`g`W`ci fgY`]g`h`]b`h`c`Xi W`"gh`XYbq`h`h`Y`XYg][ b`W`cXYg`h`Uh[ c] Yfb`ghfi W`i fU`XYg][ b`UbX`h`  
YI`h`bX`h`Y`i bXYfg]UbX]b[ `cZgfi W`i fU`VY`U]j`ci fV`migh`Xm]b[ `bYk`W`cbW`dHg`]b`h`Y`W`cbh`I`h`cZXYg][ b`cZ  
ghY`"ghfi W`i fYg`"

H`h`g`W`ci fgY`k`]`"U`gc`dfcj`]XY`mci`k`]h`c`ddcfh`b]h`Yg`h`c`XYj`Y`cd`h`Y`Z`c`k`]b[ `]`fUXi`UH`"Uhf]Vi`h`g.

- h`Y`W`dUW]miz`f`UbU`m]WU`"UbX`]bXYdYbXYbhW]h]WU`"h`]b\_]b[ /UbX
- g\_]`g`fY`UH`X`h`"ZY`cb[ `YUfb]b[ ž`gi W`Ug`gY`Z`fYZYW]cb`fUV]`]m]h`Udd`m`h`Y`cfm]h`d`fUW]W`]b  
Z]a`]Uf`UbX`i`bZ]a`]Uf`g]h`Uh]cbg`/UbX
- W`"UVcfU]j`Y`UbX`h`Ua`k`cf\_]`g`/

## 7ci fgY`@YUfb]b[ `Ci hW`a Yg

5Z`Y`f`gi W`Y`ggZ`"m`W`a`d`Y`h]b[ `h`h`g`W`ci fgY`ž`mci`g`l`ci`X`VY`UV`Y`h`.

@YUfb]b[ `Ci hW`a Y	95`GHJ[ Y`%7ca dYH`bW]Yg
%`"9a d`cmghfi W`i fU`XYg][ b`W`cbW`dHg`cZgfi W`i fU`ghY`"a Ya VYfg gi W`Ug`h`bg]cb`a Ya VYfgž`W`a dFYgg]cb`a Ya VYfgž`ZYI`i`fU` a Ya VYfg`UbX`VYUa`W`i`a`bg`UbX`W`bbYW]cbg`]b`dfUW]W`	D9`%`%ž`D9`%)`ž`D9`&`%`
&`"8Ya cbghfUH`"Ub`i`bXYfg]UbX]b[ `cZUXj`UbW`X`W`cbW`dHg`]b ghfi W`i fU`XYg][ b	D9`&`%`
'`"`h`fdYh`UbX`i`bXYfg]UbX`h`Y`fYeI`]fYa`Ybq`cZU`XYg][ b`Vf]YZUbX ]` %o`%o` %o`	%o`



## 5ggYgga Ybh

H\Y'ZbU' [ fUXY'ZcfH]g'Wci fgY'k ]'bcfa U'mVY'VUgYX'cb'hAY'gi a 'cZHAY'gWefYg'Zca 'YUW'icZHAY  
Ugg][ ba YbHg'fWUgg'k cf\_£'UbX'hAY': ]bU'9I Ua ]bUhc'b"H\Y': ]bU'9I Ua ]bUhc'b' ]g'k cft'\*\$i 'cZHAY'ZbU'  
[ fUXY'ZHAY'WUgg'k cf\_]g' ]bW' XYX'UbX'%'\$i ]ZWUgg'k cf\_]g'bch' ]bW' XYX'"H\Y'WUgg'k cf\_]g'k cft' (' \$i  
cZHAY'ZbU' [ fUXY'Z' ]bW' XYX'"5'a Uf\_'cZUH'YUgh( \$i ]b'hAY': ]bU'9I Ua ]bUhc'b' ]g'fYei ]fYX'VYZcfY'hAY'WUgg  
k cf\_]g' ]bW' XYX' ]b'hAY'ZbU' [ fUXY'"H\Y'Zcfa U'YI Ua 'gW'dhg'k ]'bchVY'fYh fbYX'"Gh XYbHg'k \c'dYfZcfa  
dcccfm]b'hAY'k cf\_g\cdg'UfY'fYWca a YbXYX'hc'X]gW gg'dfc[ fYgg'k ]h'hAY'YW' fYf'Xi f]b[ 'hAY'hYfa "

BchY.


8YHJ]g.

9I Ua ]bU]cb







F Ygci fWg

DfYgW]VYX F Ygci fWg

Gi Va ]gg]cb 'cZ'5ggYgga YbhiHUg\_g

D`YUgY`fYZf`h`h`Y`A ccX`Y`dU[ `Y`cZ`h`Y`W`i fgY`Z`f`Z` f`h`Y`f`[ `i ]XUbW` `cb`UggYgga YbhiGi Va ]gg]cb"

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

6Yk UFY`5b`Ugg][ ba YbhUUh]bWm XYg`d`U[ ]Uf]gYX`a UHf]U`k ]`fYW]j Y`U`\$i : U]žUbX`gh XYbfg`k \c  
d`U[ ]Uf]gY`a UmZ]`hY`Vci fgY`Gh XYbfg`k \c`d`U[ ]Uf]gY`UfY`U`gc`]UV`Y`hc`X]gW]d`]bUfmiUW]cbž]bWm X]b[  
YI Wm g]cb`Zca`Ybfc`a Ybh`

D`U[ ]Uf]ga ]g`hY`i gY`cZUbchYf`dYfgcb`g`k cf`cf]XYUg`Ug`]ZhYmk YfY`mci f`ck`b`K \Yb`]h]g`bYW]ggUfmcf  
XYg]fUV`Y`hc`i gY`chYf`dYcd`Y`g`a UHf]U`mci `g`ci`X`UXYeI UH`mUW]bck`YX[ Y`k \cgY`k cfXg`cf]XYUg`hYm  
UfY`UbX`k \YfY`mci `Zci bX`hYa`f[ ]j ]b[ `hY`Vca`d`YH`fYZYfYbW`XYH]gž]bWm X]b[ `dU[ Y`bi a VYffg]H`H`Y  
@YUfb]b[ `7YbHfY`dfcj ]XYg`Z`fH`Yf`]bZcfa U]cb`cb`k \UhVcbgh]h`hYg`D`U[ ]Uf]ga`Uh

[\hdg.#gh XYbhi bgk "YXi "Ui #d`U\[ \]Uf\]ga](#)



