

# MINE8101

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B Ua Y	9a U]`	5j U]`UV]`]m	@cW]h]cb	D\cbY
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@YW]i fYfg

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## 5ggYgga Ybh

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8i Y`XUH'. F YZf'hc'A ccX`Y

Dfcj ]XYX`]b`hY`Ugg][ ba Ybh'

H\]g`Ugg][ ba Ybh]g`gi Va ]hYX`h`fci [ \ `Hi fb]h]b`UbX`ghi XYb]g`Xc`bchigYY`Hi fb]h]b`g]a ]`Uf]mfYdcf]g"

### 5ggYgga Ybh&' E i ]nnYg'fl' Ł

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8i Y`XUH'. fYZf'hc'A ccX`Y

Dfcj ]XYX`]b`hY`Ugg][ ba Ybh'

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8i Y`XUH'. F YZf'hc'A ccX`Y

Dfcj ]XYX`]b`hY`Ugg][ ba Ybh'

H\]g`Ugg][ ba Ybh]g`gi Va ]hYX`h`fci [ \ `Hi fb]h]b`UbX`ghi XYb]g`W]b`gYY`Hi fb]h]b`g]a ]`Uf]mfYdcf]g"

# 5 hYbXUbW`F Yei ]fYa YbHg

Gh XYbHg`UFY`gfc b[ `mYbWci fU[ YX`tc`UhhYbX`U`WUggYg`UbX`fYj`]Yk`YWh`fY`fYWcfX]b[ `g"

## 7 ci fgY`GW`YXi `Y

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H]a`YhUV`Y`

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K`YY`_%`%(` : YVfi Ufm! %` : YVfi Ufm	C`b`]bY`5W]j`]m	A`]b]b[ `Yb[ ]bYYf]b[ `Ug`U`dfcZYgg]cb %%`7`ci`fgY`-b]fcXi`W]cb %`&`5`b`]b]fcXi`W]cb`hc`a`]bY`*`[ ` \$



F Ygci fWg

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5hihY'YbX'cZYUW'Wci fgYzU''ghi XYbhg'k j''\Uj Y'hY'cddcfhi b]mhc'Wca d'Yh'U'Wci fgY'Yj U'i Uh]cb'Zcfa " H\YgY'Ubcba ci g'gi fj Yng'\Y'd'i g'i bXYfgtUbX'mci fj jYk g'cZhY'Wci fgYz'mci f''YWhi fYfg'UbX'hY'Wci fgY a Uh'f]U'g"K Y'UfY'Wcb]bi ci g'm]a d'fcj ]b[ 'ci f'Wci fgYg'VUgYX'cb'ghi XYbhZYXVUW'z'UbX'mci f'dYfgdYWhj Y ]g'j U'i UV'Y"

: YXVUW\_ ]g[ ]j Yb'j ]U' \hdg. #gh XYbh'i bgk "YXi "Ui #a mYl dYf]YbW'UbX'mci 'k j''VY'bc]Z]YX'k \Yb'h\]g' ]g Uj U]UV'Y'Zc'f'mci 'hc'Wca d'Yh'"

K Y'U'gc'YbWci fU[ Y'U''ghi XYbhg'hc'g\UfY'UbmZYXVUW' hYm\Uj Y'Ubm]ja Y'Xi f]b[ 'hY'Wci fgY'-' ]Zmci \Uj Y'U'WcbW'fbz'd'YUgY'Wcb]Whi g'ja a YX]Uh'm'

Gi Va ]gg]cb 'cZ5ggYgga YbhiHUg\_g

H\Y'GWcc`\Ug'XYj Y'cdYX'U'[ i ]XY'j bY'fc \Y'd'mci 'k \Yb'gi Va ]h]b[ 'U'W'i fgY'Ugg][ ba YbH'





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

Mci f`YWñ fYf`UbX`hY`I b]j Yfg]mík ]`YI dYWñmci f`gi Va ]H`X`Ugg][ ba Ybñg`UfY`hfi`mimci f`ck b`k cf\_"I BGK \Ug`j Yfm`WYUf`[ i ]XY`bYg`cb`k \Uhd`U[ ]Uf]ga ]g`UbX`\ck`hc`Uj`c]X`]H`D`U[ ]Uf]ga ]g`i`g]b[ `hY`k`cfXg`cf ]XYUg`cZch`Yfg`UbX`dfYg`Ybñ]b[ `hY`a`Ug`mci f`ck b`D`U[ ]Uf]ga ]g`U`hmd`Y`cZ]bñY`YWñ U`hY`Zñ`ñWñb`hU`Y`a`Ubm`Zcfa`gž`Zca`XY`]VYfU`h`W`Y`U`h]b[ `hc`U`W`W`XYbñU`m`W`dm]b[ `Zca`U`gci`fW`k`]h`ci`hU`W`bck`YX[ Ya`Ybñ`H`Y`I b]j Yfg]mì\Ug`UXcd`h`X`Ub`Y`Xi`W`h]j`Y`Uddfc`U`W`hc`d`U[ ]Uf]ga`UbX`\Ug`XYj`Y`cd`YX`U`f`Ub[ Y`cZ`fYgci`fW`g`hc`gi`ddcf`h`g`h`XYbñg`"5`h`Y`XY`hU]g`cb`d`U[ ]Uf]ga`ž`b`W`X]b[ `gca`Y`i`gY`Z`fYgci`fW`gž`W`b`V`Y`Zci`bX`U`h`[k`k`k`"gh`XYbñi`bgk`"YXi`"Ui`#d`U\[ \]Uf\]ga`"](#)

5`A`]b]b[ `9b[ ]bY`Yf]b[ `gh`XYbñg`UfY`f`Yei`]fYX`hc`W`ca`d`Y`h`U`g`h`XYbñXYWUfU`h]cb`Zc`f`U`W`X`Y`a`]W]bñ[ ]f]m`k`\]W`]g`ci`h]bYX`]b`h`Y`Ugg][ ba YbñW`ç`Yf`g`\Y`Y`h`"6`mg][ b]b[ `h]g`XYWUfU`h]cb`ž`mci`U[ fY`h`U`h`mci`f`k`cf\_]g`mci`f`ck`b`cf][ ]bU`k`cf\_"

žmci`bY`Y`X`gca`Y`U`X`X]h]cb`U`gi`ddcf`h`k`]h`mci`f`k`f]h]b[ `g\_]`gž`d`Y`U`g`Y`W`cb`h`U`W`h`h`Y`@Y`U`fb]b[ `7`Y`bñY`cf`j`]Y`k`gca`Y`cZ`h`Y`fYgci`fW`g`cb`h`Y]f`k`Y`V`g]h`Y`[k`k`k`"Wi`bgk`"YXi`"Ui`"](#)H`Y`@Y`U`fb]b[ `7`Y`bñY`]g`XY`g][ bYX`hc`\Y`d`mci`]a`dfcj`Y`mci`f`U`W`X`Y`a`]W`k`f]h]b[ `UbX`W`ca`a`i`b]W`h]cb`g\_]`g`"Gca`Y`g`h`XY`bñg`i`g`Y`h`Y`7`Y`bñY`g`Y`f]`]W`g`V`Y`W`i`g`Y`h`Y`m`U`f`Y`Z]bX]b[ `h`Y]f`Ugg][ ba Ybñg`U`W`U`Y`b[ Yž`ch`Y`fg`V`Y`W`i`g`Y`h`Y`mk`U`bñ`hc`]a`dfcj`Y`Ub`U`f`Y`U`X`m`gi`W`Y`ggž`U`W`X`Y`a`]W`d`Y`f`Zc`fa`Ub`W`"

5 WUXYa ]W#Zcfa Uh]cb

7 ci fgY`F Ygi `hg

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