

Jc`_ga i g]_!K Y`h`hfUi Yfh. A]WX UY` 9VYfk Y]b]gh'j YfghcfVYb°

A]WXUY``9VYfk Y]bž'@Y]hYf'XYf'8Y``b\Ui gYf'A i g]_UbhYb'i bX VYXYi hYbXYf'VUmYf]gWXYf'J c`_ga i g]_Yfž']gh'Ua '%* "'\$|b] &\$&) 'j YfghcfVYb"



: fY]g]b[ž'8Yi hgWX`UbX'!'=a '< YfnYb'j cb'6UmYfb'\Uh'X]Y

J c`_ga i g]_gnYbY'Y]bYb']\fYf'VY_UbbhYghYb'J YfhfYhYf'j Yf`cfYb"

A]WXUY`'9VYfk Y]bž'XUg'CVYf\Ui dh'XYf'fYbca a]YfhYb'8Y``b\Ui gYf

A i g]_UbhYbž']gh']b'XYf'BUWXh'ni a 'GcbbhU[']a '5`hYf'j cb'* &'*J\fYb

[YghcfVYbž'bUWX'Y]bYa '`Ub[Yb'i bX'gWXk YfYb'?fUb_\Y]hgj Yf`Ui Z''

GY]b'HcX'_Ua 'bi f'_i fn'bUWX'gY]bYa '* &"'; YVi fhghU[ž'i bX'X]Y

B UWX f]WXh'\Uh']b'XYf'FY[]cb'[fc»Y'HfUi Yf'Ui g[Y`Ògh"'hn"XY

VYf]WX hYhž'XUqq'

9VYfk Y]b 'k i fXY '%- * & ']b '8 Y ``b\Ui gYb 'VY] '5i '[YVcfYb 'i bX 'k Uf gWk cb 'ZfØ\ 'j cb 'A i g]_ 'i a [YVYb "'GY]bY 'a i g]_U`]gWk Yb 'K i fnY `b fY]Wk Yb 'V]g 'ni 'gY]bYa '; fc > j UhYf 'i bX 'J UhYf 'ni fØW_ž'X]Y 'VY]XY U_h]j ']b 'XYf 'J c `_ga i g]_ 'k UfYb "'A]h '%* '\J\ fYb 'VY[Ubb 'Yf 'gY]bY

$9]b @YVYb ZØf X]Y A i g]_$

 $= \frac{1}{3} \left(\frac{1}{5} - \frac{1}{6} \right) \left(\frac{1}{5} - \frac{1}{6} \right) \left(\frac{1}{5} \right) \left(\frac{1}{5}$

5 `g``Y]XYbgW\UZh`]W\Yf`A i g]_Yf`k Uf`9VYfk Y]b`b]W\h'bi f`ZØf`X]Y
8 Y``b\Ui gYf`A i g]_UbhYb`U_h]j "`Gc`[fØbXYhY`Yf`&\$\$(`XUg
8 Y``b\Ui gYf`J c`_ga i g]_ZYghž`XUg`gY]h\Yf`^À\f`]W\`Yhk U`&) "\$\$\$
6 Ygi W\Yf`Ubn]Y\h"`8]YgYg`*J\f`a i gghY`XUg`: Ygh`Ui Z[fi bX`XYf
U_hi Y``Yb`I a ghÀbXY`UV[YgU[h`k YfXYbž`k Ug`X]Y`: Ubg`XYf
J c`_ga i g]_`ni h]YZgh`VYhfØVh"`Ni gÀhn`]W\`k Uf`9VYfk Y]b`Ui W\
dc`]h]gW\`U_h]j . '9f`_UbX]X]YfhY`&\$\$&`ZØf`X]Y`7GI `U`g`6Øf[Yfa Y]ghYf
]b`5i `i bX`k Uf`j cb`&\$\$&`V]g`&\$\$, `A]h[`]YX`XYg`A Uf_hfUhg"

5bYf_Ybbib[ibX JYfa AWX hb]g

: Øf gY]bY 'J YfX]YbghY 'Yf\]Y 'h'A]WX UY `'9VYfk Y]b 'nU\ `fY]WX Y
5i gnY]WX bi b[Ybž'XUfi bhYf'XYb '?i `hi fdfY]g 'XYg '@UbX_fY]gYg
: fY]g]b['i bX 'XUg '6i bXYgj YfX]Ybgh_fYi n" '6YgcbXYfg 'ghc `n 'k Uf 'Yf
Ui Z'XYb '?i `hi fdfY]g '6UmYfbž'XYb 'Yf '&\$%- 'j Yf`]Y\Yb 'VY_Ua "'GY]bY
5fVY]h']b 'XYf'GhUXh': fY]g]b['U`g '@Y]hYf'XYg '6Øf[YfVØfcg 'i bX
K U\ ``Y]hYf']gh'YVYbZU``g 'b]WX h'ni 'j Yf[YggYb" '9VYfk Y]b '\]bhYf`Aggh
gY]bY : fUi '; Yfh] 'i bX 'X]Y 'VY]XYb 'GÒ\bY 'A]WX UY `'i bX 'A UI]a]`]Ub
gck]Y 'Y]bY 'f]Yg][Y : Ub[Ya Y]bXYž'X]Y ']\a 'ni '@YVnY]hYb 'ghYhg'X]Y
HfYi Y '\]Y 'h'i bX ']\b 'Yhnh'h]YZ'j Yfa]ggh"

5a %) "A U] 'hfUh'9VYfk Y]b'[Ya Y]bgUa 'a]h'XYb'8Y``b\Ui gYf A i g]_UbhYb']b'XYf': YfbgY\gYbXi b['K]fhg\Ui ga i g]_UbhYb']a 6UmYf]gWXYb': YfbgY\Yb'Ui Z'i bX'\]bhYf`]Y» 'XUa]h'Y]bYb V`Y]VYbXYb'9]bXfi W_']b'XYb'< YfnYb'j]Y`Yf'A i g]_`]YV\UVYf"'GY]b 9fVY'k]fX'k Y]hYf\]b'Xi fWX'X]Y'A i g]_'i bX'9f]bbYfi b[Yb'Ub'X]Y j]Y`Yb'6Ø\bYbUi Zhf]hhY'Zcfh`YVYb"

8YhU]`g	
Cfh	: fY]g]b[ž'8Yi hgWX`UbX
EiY``Yb	• k k k "hn"XY
	• kkk"giYXXYihgWXY"XY

6Ygi WXYb G]Y i bg Ui Z b!U["XY