

Gc`UbU. '6fUg]`]Yb'`Ài hYh'bYi Y'ŸfU'ZØf ?fmdhc!=bj Ygh]h]cbYb'Y]b

6fUg]`]Yb`[YbY\a][h'XYb`YfghYb`Gc`UbU!Gdch!9H: ž'k À\fYbXGc`UbU'Y]b'bYi Yg'5``nY]h\cW\`[Y[YbØVYf'9h\YfYi a 'YffY]W\h"



6fUg]`]Yb'U`g'JcffY]hYf']b'XYf'?fmdhc! FY[i`]Yfib[

8]Y'VfUg]`]Ub]gWXY':]bUbn`UbXgWXUZh'Yf`YVh'[YfUXY'Y]bYb
VYa Yf_Ybgk YfhYb'K UbXY`ž'XU'X]Y'K YfhdUd]Yf!'i bX
6ÒfgYbUi Zg]WXhgVY\ÒfXY'fl7JA Ł'XYb'YfghYb'Gc`UbU!VUg]YfhYb'Gdch!
9H: '[YbY\a][h'\Uh"'8]YgY'9bhgWXY]Xi b['ghY``h'Y]bYb
YbhgWXY]XYbXYb'GWXf]hh']b'XYf'9bhk]W_`i b['j cb'fY[i `]YfhYb
?fmdhc!=bj Ygh]h]cbYb']b'6fUg]`]Yb'XUf"

Gc`UbU'YffY]W\h'bYiY'<Ò\Yb

: Ugn]b]Yfh'j cb'XYb''Øb[ghYb'9bhk]W_`i b[Yb']a '?fmdhca Uf_h'\Uh Gc`UbU'Y]b'bYi Yg'5``nY]h\cW\']a 'JYf[`Y]W\'ni '9h\YfYi a 'f β H< \\ YffY]W\'h'' 8]YgYf'; Yk]bb'g][bU`]g]Yfh'b]W\'h'bi f'XUg'k UW\'gYbXY

±bhYfYggY`Ub`5`hWc]bgž'gcbXYfb`_ÒbbhY`Ui W\`Y]bYb`g][b]Z]_UbhYb HfYbXk YW\gY``]a `?fmdhcVYfY]W\`XUfghY``Yb"`Gc`UbU`ghY\h`Ub`XYf Gd]hnY`X]YgYf`6Yk Y[i b[`i bX`_ÒbbhY`U`g'?UhU`mgUhcf`ZØf`k Y]hYfY ±bj Yqh]h]cbYb`]b`X][]hU`Y`JYfa Ò[Ybqk YfhY`X]YbYb"

; `cVU`Y'5i gk]f_i b[Yb'i bX']bhYfbUh]cbU`Yg =bhYfYggY

8]Y; YbY\a][ib['XYg'Gc`UbU!9H: g'n]Y\h'b]W\h'bi f'VfUg]`]Ub]gW\Y 5b`Y[Yf'Ub"'K Y`hk Y]h'[]Vh'Yg'Gh]a a Ybž'X]Y'j Yfa i hYbž'XUgg'bUW\XYf'; YbY\a][ib['jcb'6]hWc]b!'ibX'9h\YfYia!9H: g']b'XYb'l G5Ui W\'UbXYfY'@\AbXYf'Zc`[Yb'_\ObbhYb"'8]Yg'nY][h'X]Y'nibY\a YbXY5_nYdhUbn'ibX'XUg'JYfhfUiYb']b'X]Y'A O[`]W_Y]hYbž'X]Y'?fmdhc!\bj Ygh]h]cbYb'V]YhYb'_\ObbYb"'Gc`UbUž'a]h'Y]bYaVYY]bXfi W_YbXYb'; YgUahk Yfh'jcb'Yhk U'(ž+-'A]``]UfXYb'l G8žghY\h'XUVY]']a': c_i g"

JcfhY]`Y XYg bYi Yb 9H: g ZØf 5b Y[Yf

 $H\YcXcfY : `Yi fmě'A UbU[Yf'i bX'7\]YZ' + bj Ygha Ybh'C ZZ]WYf'VY]'E F 5ggYhž'VYhcbhYž'XUgg'X]Y'; YbY\a][i b['XYg'9H: g'b]W\h'bi f'Y]bY 6YghÀh][i b['ZØf'6fUg]`]Yb'U`g']bbcj Uh]j Yg'@UbX']a '6YfY]W\ fY[i `]YfhYf'? fmdhc! + bj Ygh]h]cbYb']ghž'gcbXYfb'Ui W\'Y]bY A <math>O(`)W_Y + bj YghYhYhz'X]Y' = bj Yfg]Z]n]Yfi b['i bX'E i U`]hÀh'XYf'5b`U[Yb ZØf'`c_U`Y' + bj YghcfYb'ni 'Yf\O\Yb'' = 8]YgY'9bhk]W_`i b[']gh VYgcbXYfg'k]W\'h][ž'XU'6fUg]`]Yb']b'XYb'`YhnhYb' + J\'fYb'ni 'Y]bYa ZØ\fYbXYb'5_hYi f']b'XYf'? fmdhc!K Y`h'[Yk cfXYb']gh''$

HYW bc`c[]gW Y =bbcj Uh]cbYb i bX X]Y Ni _i bZh

Ni gàhn`]WX ni f'9]bZØ\fi b['XYg'Gc`UbU!9H: g'VUi h'6fUg]`]Yb'Ui WX j Yfghàf_h'Ui Z'6`cW_WXU]b!HYWXbc`c[]Y']b'j YfgWX]YXYbYb'GY_hcfYb" 8 Ug'@UbX'd`Ubhž'ØVYf'&%('A]``]cbYb'6Øf[Yf'a]h'X][]hU`Yb 5i gk Y]gXc_i a YbhYb'Ui gni ghUhhYbž'X]Y'j cb'XYf'6`cW_WXU]b! HYWXbc`c[]Y'i bhYfghØhnh'k YfXYb"'8 Ua]h'k]fX'X]Y'G]WXYf\Y]h'i bX \
\DatabhY[f]hÀh'j cb'8 UhYb'XYi h`]WX'Yf\O\h'i bX'6Yhfi ['k]f_gUa

A Uf_hdcg]h]cb j cb Gc \ Ub U i b X \]\ fY F Y \ Y j Ub n

Ni gUa a YbZUggYbX'`Àggh'g]W\'gU[Ybž'XUgg'6fUg]`]Yb'a]h'XYf

; YbY\a][i b['XYg'Gc`UbU!9H: g'b]W\'h'bi f']b'XYf'?fmdhc!

FY[i `]Yfi b[ž'gcbXYfb'Ui W\'VY]'XYf'JYfk YbXi b['VU\bVfYW\YbXYf

HYW\'bc`c[]Yb'k]Y'XYf'6`cW_W\'U]b'Y]bY'JcffY]hYffc``Y'Y]bb]a a h''

8]Y'9bhk]W_`i b[Yb']b'XYf'6fUbW\Y'g]bX'Y]b'k]W\'h][Yf'\dotbX]_Uhcf'ZØf

X]Y'Ni _i bZh'XYg'[`cVU`Yb':]bUbna Uf_hYg'i bX'_ObbhYb'`Ub[Zf]gh][

XUg'\dotbj Ygh]h]cbgj Yf\U`hYb'k Y`hk Y]h'VYY]bZi ggYb''

8 YhU]`a

6Ygi WXYb G]Y i bg Ui Z _fmdhc!bYk g"Uh