	"(0 01: "+0" 0 +1:	0
W"	#(2.,2'&#\$%,2+\$*&	9, .81*\$'(*?\@F, *\$8?\i:, \$*/F\#(OO1'', ,5\J*, 2+\$\in\\$22123\i
		I, \$2&(0&) 2%12, &H, \$*2123&:, \$*/F&#(OO1'', ,5&K, *, +1'F&N, 1., *%L(221%?2&D, 13&&</td></tr><tr><td></td><td></td><td>-P\$2&R1% '*\$8&@9#5&=2+?&H,, &'(&*('\$',&12&\$.&/F\$1*X&#%, P,&D*,, O\$2&'(&.,*P,&(2&</td></tr><tr><td></td><td></td><td>@9#"&</td></tr><tr><td></td><td></td><td>8</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td>8</td></tr><tr><td>Υ"</td><td>Z20121.F, +&JA.12,&</td><td>8</td></tr><tr><td></td><td><! 6[! &\$*, \$<>&</td><td></td></tr><tr><td></td><td>12+1/\$',+>5&&</td><td></td></tr><tr><td></td><td>\$"&\] D&R*\$+,^&</td><td>/('(&8*,.,2',+&\$&/%\$*101/\$'1(2&(2&'F,&] D&3*\$+,&0*(O&G\$_?&R\$%(?\$2&I,\$2&(0&</td></tr><tr><td></td><td>+ a.d - 2 a.t + . , a</td><td>-2*(%O,2'></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td>] D&] 1'F+*\$` &&D\$1%&` (A%+&(2%%Q, &\$132, +&\$0', *&'F, &7'F&`,, U"&@F, &] D&</td></tr><tr><td></td><td></td><td>(//w/a/2,/a/2,/a/2,/a/2,/a/2,/a/2,/a/2,/a</td></tr><tr><td></td><td></td><td>F, 1*&R; = %</td></tr><tr><td></td><td></td><td>$\begin{bmatrix} 1 & 1 & \alpha \\ 0 & 1 \end{bmatrix}$</td></tr><tr><td></td><td></td><td></td></tr><tr><td>ļ</td><td></td><td>D@cD\$/A%'?cN1*1236V! YI I -=#EN9=#\$++"*, P1, ` E/(8?&'(&:, 2\$', . &</td></tr><tr><td></td><td>Q"&DA%&@1O, &D\$/A%'?&</td><td>D@CD\$/Α% (CNI 1230V! 11 I -=#EN9=#\$++ ,PI, E/(0/6 (6., 2\$,.6</td></tr><tr><td></td><td>N1*123&; *(/, +A*, .&</td><td>©</td></tr><tr><td></td><td></td><td>@F, &0 (%(` 123&` (*+123&12&F#'. &` \$.&/F\$23, +&12&'F, &\\$', .'&D@&D\$/A\;'?&N1*123&</td></tr><tr><td></td><td></td><td>; *(/, +A*, .&+*\$0'X&P1\$&'F,&I 1.'*1/'&=/\$+,O1/&:,2\$',"&</td></tr><tr><td></td><td></td><td>()</td></tr><tr><td></td><td></td><td>; \$3, &7\&A2+, *&: , \%, /'1(2\&#(OO1'', , 5\&9, . 8(2.101\%)'1, . \&</td></tr><tr><td></td><td></td><td>$T''\&M2\&'F,\&,P,2'\&'F\\$'\&\&F1*123\&8*(/,\&^*,.A\%'.\&12\&O(*,\&'F\\$2\&(2,\&/\\$2+1+\\$',\&`F(\&-12*)))$</td></tr><tr><td></td><td></td><td>O,,'.&'F,&8*,.,2'&(*&,d8,/',+&2,,+.&12&'F,&.\$O,&+1./18%12,X&'F,&(#'')*)&</td></tr><tr><td></td><td></td><td>; *, .1+, 2'&O\$?&+, ', *O12, &' (&12/*, \$. , &' F, &2AOQ, *&(0&\$P\$1%\$Q%, &8(.1'1(2."&B1!</td></tr><tr><td></td><td></td><td>\$%&7!))1\$;!\$%)!/)/F)47!#5!F#\$%!\$%)!0)-4,%!-1.!0)'),\$!,#//&\$\$))7!</td></tr><tr><td></td><td></td><td>7%-''!F)!,#179'\$).!F)5#4)!-1@!&\$-'!,-1.&\$)!&7!7)'),\$). \B1!\$%)!</td></tr><tr><td></td><td></td><td>) </td></tr><tr><td></td><td></td><td>=4)7&.)1\$:!-!4)7E#17)!)NE'-&1&1*!\$%)&4!4)-7#1&1*!5#4!1#\$!7)'),\$&1*!\$%)!</td></tr><tr><td></td><td></td><td></td></tr></tbody></table>

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#(OO, 2'5&@F, *, &` 19%&. '19%&Q, &$OQ13A1'?"&
\#(OO, 2'58M'\&O\$?\&Q, \&O(.'\&, fA1'\$Q\%, \&'(\&'\$U, \&\$`\$?\&'F, \&, 2'1*, \&(8'1(2\&(0\&))))
/%$*10?123&*, .8(2., ."&&
\#(OO, 2'50M'8O\$?8Q, 8Q, .'8'(8*, O(P, 8'F, 8\$Q(P, 8Q(%+, +8.'\$', O, 2'8, 2'1*, %?80(*8...))))
, fA1'?&8A*8(.,."&
#(OO, 2'5%], &$*, &2('&'*?123&'(&F1*, &'F, &8, *. (2&'F$'&12', *P1, `.&'F, &Q,..'\&QA'&
'F, &8, *. (2&`F(&1.&'F, &Q, .'&0(*&(A*&.'A+, 2'."&@F$'&1.&`F?&`, &F$P, &$2&-)&
<- FA$%) 88(*'A21'?>&*, 8*, . , 2'$'1P, &12&'F, &*((O&E&'(&, 2. A*, &'F$'&A20$1*&
0(%(`EA8&/%$*101/$'1(2&+(,.&2('&F$88,2X&(*&10&1'&+(,.X&0(*&'F,O&'(&12+1/$',&'F,&
Q, .'&` $?&'(&8*(/, , +"&
\#(OO, 2'5\&N(`\&$Q(A'\&10\&`, \&/F$23, \&'F, \&8F*\$.123\&'(5\&\''#''#HW9E!X9)7\&\#17!
. &4),$).!$#!$%)!,-1. &. -$)!. 94&1*!$%)!&1$)4|&)H!/97$!#1'@!F)!.#1)!&1!
#4.)4!$#!,'-485@!Y-1!-,4#1@/:!#4!E%4-7&1*ZU!(*&h'F,.,&fA,.'1(2.&O$?&Q,&
\#(OO, 2'5\&=++\&.(O, 'F123\&'F\$'\&', 0, *, 2/, .\&'F, \&(P, *.13F'\&(0\&'F, \&-)\&', 8\&12\&))
*, %$'1(2&'(&0(%(`EA8&FA, . '1(2."&
\#(OO, 2'5\&; , *F\$8.\&` (*+123\&'F\$'\&.'\$', .\&\D(%(`EA8\&FA, .'1(2.\&.F(A%+\&Q, \&A)))))
P, '', +&` 1'F&'F, &-) &*, 8&8*1(*&'(&Q, 123&$.U, +"^&9, fA1*123&$&.'(88123&(0&F, &
/%(/U&$2+&$&*, fA,.'&'(&$.U"&
S&(8'1(2.5&
E@$U, &'F, &$Q(P, &Q(%+, +&., 2', 2/, &(A'&
EH, $P, &'F, &., 2', 2/, &$. E1. &$2+&'*A. '&'F, &-) &'*$12123&8*(/, ...&
E; A'&12&$++1'1(2$%\` (*+123&*, 3$*+123&*, %?123&(2&'F, &-)&
(#17)1797!\$#!\$\%)!')-I)!\$\%)!7)1\$)1,)!-7\%7!-1.!\$497\$!\$\)!CJ!\$4-\&1\&1*!
E4#,)77×!
&
```

```
D1*. '&/F$%, 23, &` 19%Q, &. 8*, $+123&'F, &` (*+&$2+&0(.', *123&0$/A%'?&12', *, . '&12&
Q_{1}/(O12388*'8(08'F_{1}...)80(A*8/(OO1'', ...)8
&
@F, &/(OO1'', , . &` 19%LO, , '&(2&D*1+$?. "&@1O, &$2+&D*1+$?&(0&F, &O(2'F&@JI "&
\#(OO, 2'5\&\#(2/, *2\&\$Q(A'\&.8\%''123\&A8\&; *(3*\$O\&9, P1, `\&\$O(23.'\&'F, \&)(A*\&.)))
/(OO1'', , . "&
\#(OO, 2'5\&] \ 1'F\&'F, \&2, `\&', O8\%$', \&; *(3*$O&9, P1, `\&` 19\\\\((U\&+100, *, 2''\&@F, *, \&))
O$?&2('&2,/,..$*1%?&Q,&$&/(20%1/''&
\#(OO, 2'5\&-\$/F\&/(OO1'', , \&^*, \$+. \&\$\&/, *'\$12\&81, /, \&(0\&'F, \&; *(3*\$O\&9, P1, ``&\&))
#(OO,2'5&@F,&8*(3*$O.&'F$'&$*,&12&*,+.&$2+&?,%%(`.\&8,*F$8.&U,,8&'F,&
8*(3*$O&*, P1, ` &$. &1'&` $. &\$.'&?, $*"&
=')-7)!4)-,%!#9$!$#!@#94!=-4$!?&/)!5-,9'$@!&1!E-4$&,9'-4\!0)$!$%)/!M1#H!
$%-$!$%)4)!-4)!.).&,-$).!7)-$7!5#4!$%)/!#1!$%)7)!,#//&$$))7\!
B(%A2',, *123&'(&., *P,5&
I(22\$\&D^*\$2U, \&a\&-fA1'?\&\$2+\&-+A/\$'1(2\&\#(OO1'', \&a\&-fA1'))
\#**(\%2&N(\%*(0'&a&#F$1*&4&-fA1'?&$2+&-+A/$'1(2&#(OO1'', , &
j(*+$2&D(23&$2+&L$'F, *12, &: /F$, 0, *. &&E&#(OOA21'?&$2+&#(OOA21/$'1(2&
#(OO, 2
```

```
-./('(51/@F, 8*(%, 8(08'F, 8:, 2$', 81.8'(8O$U, 8*, /(OO, 2+$'1(2.8'(8$+O121.'*$'1(2'8
                              9,.(%A'1(2.&$*,&O,$2'&'(&O$U,&/%,$*&F(`&0$/A%'?&0,,%&$Q(A'&+,/1.1(2."&;%,$.,&
                              . F$*, &(A'&'F1.&*, . (%A'1(2&` 1'F&?(A*&/(2.'1'A, 2/?&$2+&3$'F, *&0, , +Q$/U"&@F1.&
                                1%AQ, &'F, 2&Q, &'$U, 2&Q$/U&'(&(A*&O, , '123&(2&K(2+$?&'(&Q, &P(', +&(2)&$2+&$&
                               . '$2/, &. (%1+101, +"&
                              9. fA...'612&'F.&'F1*+&8$*$3*$8F&'(&.+1'&'F.&`(*+&\+1./(2'12A.+^&(*&.+1'&1'&'(&
                              .'$', &\h+1./(2'12A, +&F, &D1*.'&k, $*&-d8, *1, 2/, &8*(3*$O\&$.&1'&/A**, 2'\%&
                              , d1. '. ^&
                              K$*$./(5&=%%8*(3*$O.&'F$'&O13F'&Q,&12&.(O,&.,2.,&12&'*(AQ%, %%((U&$'&'F$'&
                              8*(3*$O&*, P1, `&8*(/, . . &$2+&$. U&(A*. , %P, . &F(`&`, &/$2&+(&'F1. &Q, '', *"&
********/"*N.J#7*@*18*
                              N1. '(*1/$\\?\&J\\$\/U&\#(\\, 3, . &\$2+&\Z21P, * . 1\1, . &\NJ\#Z>&. 'A+, 2\&' (A\*&
                              @*$/,,&#A22123F$O&$2+&L1OQ,*%?&-./$O1%&X&8*,.,2',*.X&ZK)j=&8*(3*$O"&
                              #A22123F$O&$2+&-./$O1%$&8*,..,2',+&$2&(P,*P1,`&(0&0$/A%'?E%,+&.'A+,2'&
                              '(A*.&(0&NJ#Z."&
                              @F, *, &$*, &! 6! &NJ#Z. &8AQ%/&n&8*1P$', X&O$2?&(0&'F, O&12&'F, &. (A'F, *2&Z21', +&
                              : '$', . "&
                              J, 2, 01'. &(0&NJ#Z.5&
                              m9, +A/, +&.', *, ('?8, &'F*, $'&
                              mH(^{,*}\&/(.'\&12\&'A1'1(2\&(A'\&(0\&.'\$',>\&
                              m4"6ES"4\&/AOA%'1P, \&R; = \&0(*\&\$+O1...1(2\&
                              m: '*(23&$/$+, O1/. C$%&O$e(*.&
                              m: (O, &+1P1.1(2&! &.8(*'.&8*(3*$O.&
                              mD1*.'E*$', &, +A/$'1(2&
                              m#\% . . , . \& 2 + \& , d'* $ / A** 1 / A % * \& '$ 1 % (* , + \& ' ( ` $* + . \& = = \& . 'A + , 2 ' . \&
                              mI 1P, *.1'?&
                              m-O8(\, *O, 2'C/(2'12A$2/, &(0\), 3$/?&
                              m: /F(%$*.F18.C3*$2'.&
                              m@(A*&(0&NJ#Z&
                              @*$P, %, +&` 1'F&('F, *&###. \&(P, *&i 6&. 'A+, 2'. &12&'('$\&
                              : 'A+, 2'.&P1.1', +&V&./F((%.5&
                              G(*0(%U&: '$', &Z21P, *.1'?&
                              B1*3121$&: '$', &Z21P, *.1'?&
                              N(^* + &Z21P, *.1'?&
                              J(`1, &: '$', &Z21P, *.1'?&
                              K(*3$2&: '$', &Z21P, *.1'?&
                              =% (&P1.1', +&'F, &] $.F123'(2&I #&K$\%
                              #(.'&(0&'F,&'(A*&o!Y66C.'A+,2'&a&12/%&S&213F'.&F(',%&$1*0$*,&Q*,$U0$.'&V&
                              O(*2123.8\%A2/F\&\$2+\&+122, *\&., \%0E0A2+, +\&
```

```
!6" = 22(A2/, O, 2'.\&
                                                                                                             $"&: AOO, *&#$Q12, '&
               <\101', +&'(\&S\012A', .\&
                                                                                                            ] (*U&*, fA1*, +&0(*&2(2E(001/, *.&1.&, O$1%)/(OOA21/$'1(2&
               :, 2$', \%\$22('\%\$U, \%
                                                                                                             B(%A2',, *.5%
               $/'1(2>&
                                                                                                             I (22$&D*$2U, %
                  $" : AOO, *&#$Q12, '&
                                                                                                            I $P1+&K$*$./(&
                  Q":,2$',49,8.4
                                                                                                             9(Q, *'&#(*O1$&
                                 !7C!i&
                                                                                                             #$*(%?2&N(\%'*(0'&
                   /" @9#.&! 7C! i &
                                                                                                             i(*+$2&D(23&
                                                                                                             I $P1+&K/#(*O1/U&&
                                                                                                             @*$/,,&#A22123F$O&
                                                                                                             /"&] , &2, , +&', 2A*, +&0$/A%'?&' (&., *P, &(2&@, 2A*, &9, P1, ` &/(OO1'', , . &0(*&
                                                                                                             9,.81*$'(*?&@F,*$8?&$2+&;(%1'1/$%:/1,2/,"&;%,$.,&3,'&'F,&`(*+&(A'&'(&?(A*&
                                                                                                             /(2.'1'A, 2/?"&
                                                                                                             + \frac{1}{2} \left[ (1) + \frac{
                                                                                                             -11#91,)!$%&7!$#!@#94!=?!5-,9'$@!,#17$&$9)1,@>!
                                                                                                             , "\&D$/A\%? \&O13F'\&O, \&+1. /(A*$3, +\&0*(O\&$'', 2+123\&/(OO, 2/, O, 2'&12&43F'&(0&12))
                                                                                                             ] (*U&' (&#(2'*$/'"&R(123&'(&/(OO,2/,O,2'&1.&(2,&(0&'F,&O(.'&1O8(*'$2'&
                                                                                                             'F123.&'F$'\%`,\&+\(\D(*\(A*\&.'A+,2'.\%;\%,\$.,\&'F12U\(0\\$'',2+123\(OO,2/,O,2'\\\)
                                                                                                             0\% = B; \&(0\&) (*U0(*/, \&8(.1'1(2\&)))
!!" = +e(A*20, 2')
                                                                                                             K,, '123&$+e(A*2,+&T56V8O&
```