3																																		4
	303		0 0	0 0	0	0	0 (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	304		0 0	0 0	0	0	0 (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	305		0	0 0	0	0	0 (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
		30503	0	0 0	0	0	0 (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
		30504	0	0 0	0	0	0 (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	306	fkt*+	0 0	0 0	0	0	0 (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	307	aa	aunqvaa	0 0	0	0	0 (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	308	rtqrgtv	{	0 0	0	0	0 (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
	309				0	0	0 (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
		30903	aauvtaa			0	0 (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
		30904	aatgrta	a			0 (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
		30905	aakvgtaa	ì			0 (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	:
		30906	aaigvkvg	goa	a			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	:
		30907	aaigvcvv	taa			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	:
		30908	aaecmaa	a			0 (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	;
	30:	v{ <b>r</b> g*+	0 0 0 0	0 0	0	0	0 (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	:

3

```
encuu uvwfgpv kpuvcpeg
uvwfgpv Dctv Ukoruqp uvwfgpv
encuu encuu kpuvcpeg
```

303

```
r\{vjqp
                                                encuu
          e\, n\, c\, u\, u \quad u\, v\, w\, f\, g\, p\, v\, * \, q\, d\, l\, g\, e\, v\, + <
3
4
                5
                     ugnh 0 pc og ? pc og
6
                      ugnh \ 0 \ ueqtg \ ? \ ueqtg
                 qdlgev
                              uvwfgpv
                                                      uvwfgpv
                                                                            qdlge v\\
                             qdlgev
          dctv \ ? \ uvwfgpv* \emptyset Dctv \ Ukopruqp \emptyset \ . \ 7; +
                                                                                                     ugnh
```

304

aa

```
encuu uvwfgpv*qdlgev+<
fgh aakpkvaa*ugnh.pcog.ueqtg+<
ugnh0aapcog?pcog
ugmh0aaueqtg?ueqtg

fgh rtkpvaueqtg*ugnh+<
rtkpv ø'u<'uø' *ugnh0aapcog.ugnh0aaueqtg+
```

aazzzaa

rtkxcvg

 $apc\,o\,g$ 

 $\begin{array}{ccc} & uvwfgpv & aapcog & r\{vjqp\\ auvwfgpvaapcog & auvwfgpvaapcog & aapcog \end{array}$ 

auvwfgpvaapc o g

305

30503

encuu encuu encuu encuu

qdlgev

Fqi Ecv twp\*+

30504

Cpk o cn Cpk o cn

```
encuu Cpkocn*qdlgev+<
3
4
                 rtkpv øCpkocn ku twppkpiø
           encuu Fqi * Cpk o cn + <
8
                rtkpv øFqi ku twppkpiø
           \begin{array}{lll} \textbf{encuu} & E\,c\,v * C\,p\,k\,o\,c\,n + < \\ \end{array}
                 fgh twp*ugnh+<
32
                       rtkpv øEcv ku twppkpiø
33
34
                         Cpkocn
35
36
           fgh twpavguv*cpkocn+<
                 c\,p\,k\,o\,c\,n\,0\,t\,w\,p\,\,{}^*\,+
37
38
39
           t w p a v g u v * C p k o c n * + +
                   øCpkocn ku twppkpiø
3;
42
           t\,w\,p\,a\,v\,g\,u\,v\,\,{}^*\,F\,q\,i\,\,{}^{*}\,+\,+
43
                  øFqi ku twppkpiø
           t\,w\,p\,a\,v\,g\,u\,v\,*\,E\,c\,v\,*++
44
                  øEcv ku twppkpiø
45
```

## 306 fkt\*+

fkt\*+

```
3 fkt * ØCDE Ø +
```

## 307 aaunqvaa

 $r\{vjqp$  encuu

 $aaunqvuaa \qquad \qquad encuu \qquad \qquad uvwfgpv \qquad \qquad pc\,o\,g$ 

cig

```
3 encuu uvwfgpv*qdlgev+<
4 aaunqvaa ? *øpcogø. øcigø+
```

uvwfgpv

```
u ? uvwfgpv*+

u 0 pc og ? Ø O ke j cgn Ø

u 0 c i g ? 47

u 0 u e q t g ? 322 %
```

aaunqvuaa

```
encuu ItcfwcvgUvwfgpv*uvwfgpv+<
real
real
i ? ItcfwcvgUvwfgpv*+
i 0 ueqtg ? 322 %
```

## 308 rtqrgtv{

rtqrgtv{ r{vjqp

```
rtqrgtv{*higv?Pqpg. hugv?Pqpg. hfgn?Pqpg. fqe?Pqpg+
encuu rtqrgtv{*]higv.].hugv].hfgn].fqe____+
```

rtrtqrgtv{

```
encuu E*qdlgev+<
3
           fgh a a k p k v a a * u g n h + <
4
               ugnh0az ? Pqpg
           7
8
              tgvwtp ugnh0az
           ugnh0az?xcnwg
32
33
           fgh fgnz*ugnh+<
               fgn ugnh0az
34
35
           z ? rtqrgtv{*igvz. ugvz. fgnz. öKøo vjg øzø rtqrgtv{ö+
37
       e ? E*+
38
       e0z %
                 e 0 i g v z *+
39
                              az
       e0z? xcnwg %
                        e 0 ugvz * xcnwg +
3:
       fgn e0z %
                      e0fgnz*+
3;
```

rtqrgtv{ B

Ł 81;

```
encuu E*qdlgev+<

fgh aakpkvaa*ugnh+<

ugnh0az ? Pqpg

Brtqrgtv{
    fgh z*ugnh+<
        tgvwtp ugnh0az

;
    e ? E*+

32    e0z % az
</pre>
```

 $\label{eq:continuous_equation} E \qquad \qquad rtqrgtv\{ \qquad \qquad z \qquad \qquad az$ 

```
3
       encuu rtqrgtv{ *qdlgev+<
4
           ugnh0higv? higv
               ugnh0hugv?hugv
6
               ugnh0hfgn?hfgn
7
               kh fqe ku Pqpg cpf higv ku pqv Pqpg<
9
                   fqe ? higv@aafqeaa
               ugnh O aafqeaa ? fqe
32
           kh qdl ku Pqpg<
33
                   tgvwtp ugnh
34
               kh ugnh0higv ku Pqpg<
35
36
                   tckug CvvtkdwvgGttqt*öwptgcfcdng cvvtkdwvgö+
               37
38
39
           fgh aaugvaa*ugnh. qdl. xcnwg+<
               3:
                  tckug CvvtkdwvgGttqt*öecpøv ugv cvvtkdwvgö+
3:
42
               u g n h 0 h u g v * q d1 . x c n w g +
43
           fgh aafgngvgaa*ugnh. qdl+<
44
               kh ugnh0higv ku Pqpg<
45
                   tckug CvvtkdwvgGttqt*öecpøv fgngvg cvvtkdwvgö+
               ugnh0hfgn*qd1+
47
48
           fgh igvvgt*ugnh. higv+<
49
4:
               tgvwtp \quad v \{\,rg\,^*\,ugnh\,^+\,^*\,h\,^i\,gv\,\,.\quad ugnh\,^0\,hugv\,\,.\quad ugnh\,^0\,hfgn\,\,.\quad ugnh\,^0\,aafqeaa\,^+
4:
           fgh ugvvgtg*ugnh.'hugv+< 4:
```