

43

Gxcnwcvkp { g y kvpguu vkhkecvkqp kp v 4 v Egpvwt {

Dtgppcp Ngevwtg

34

Hkpcpekgtu lW Oqpkvqtu kp Ci itgicvg Nkvkicvkqp

Gnk | cdgvj Ejc o dngg Dwtej

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Dg { qpf vjg Rtkxcvg Cvwqtpg { I gpgtcn < Gswcnkv { Fktgevkgu kp C ogtkecp Ncy

Qncvwpfg E0C0 Lqjpuqp

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Vjg Ejknf Rctcfqz kp Hktuv C o g p f o g p v 8 q d k p g

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36

Vjg Ecug Cickpuv vjg Vcz Fgfwevkdknkv { qh HEC Tgncvqt Hggv

Lqpcvjcp F0 I tquu o cp

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Fcpigtqwupguu qp vjg Nqqug < Eqpuvkvwkqp cn Nkoku vq Ko okitecvkqp Fvgpvkqp b g

Fqoguvke Etkog Edp vtqn

Htcpegu O0 Mtgk o gt

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Tgcfkpi Nj Gcm { C o g t k ecp Ngicn Rtqhgukqp < C Uwf { qh vjg Hktuv C o g t k ecp Ncy

Tgxkgy

\qg { H0 Qtqn

37

A C

Dg{qpf vjg Etkuku< Fqff/Htcpm cpf Rtkxcvg Gswkv{ Lqugr j C0 Vknno cp	39
Eqtrqtcvg Ujc ou Lqujwc F0 Dncpm ( Pcp{ Uvcwfv	3:
Vjg Hgfgtcn Twng Qh Ekxkn Ugvvng o gpv L0 Octkc Inqxt	3:
Kpvgpvkqpcn Dnkpfpguu Kcp Jcpg{/Nqrg	3;
Tgeqpeknpkpi Vjg Rtqygev Cev Ykvj Vjg Hktuv C o gpf o gpv Tqucnkpf G0 Dgmn	42
Gpvtgpejkpi Rtkxce{< C Etkvkswg Qh Ekxkn Tg o gfkgu Hqt I gpfgt/Oqvkxcvgf Xkqngpeg Ncwtgp O0 I c o dkgt	43
Qxgtn{ Kpvkocvg Uwtxgkncpeg< Yj{ Gogtigpv Rwdnke Jgcnvj Uwtxgkncpeg Rtqitcou Fgugtxg Uvtkev Uetwkp{ Wpfgt Vjg Hqwtvggpvj C o gpf o gpv Octictgv D0 Jqrrkp	44
Vjg Htcokpi Qh Hcv< Pcttcvxgu Qh Jgcnvj Cpf Fkucdkkv{ Kp Hcv Fkuetk o kpcvkqp Nkvkicvkqp Ncwtgp G0 Lqpgu	45
Tghqto kpi Lwfkeken Tgxkgy Qh Dkqgswkxcngpeg Fgygt o kpcvkqpu Ejtkuvqrjgt L0 Mqejgxct	46



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Tqpcnf L0 I knuqp. Ejctngu H0 Ucdgn ( Tqdgtn G0 Ueqvv 52

Kppqxcvkqp cpf vjg Qticpk | cvkqpen Eqpvtcev< Nguuqpu htq o kpeq o g Vtwuvu Gfyctf O0 Kceqdweek 52

Ugv kp UvqpgA Ejcpig cpf Kppqxcvkqp kp Eqpuw o gt Uvcpfctf/Hqt o Eqpvtcevu Hnqtgpekc Octqvc/Ywtngt ( Tqdgtn Vc{nqt 53

Cuuwokpi Tgurqpukdknv{ hqt Yjq [qw Ctg< Vjg Tkijv vq Ejqqug \$Ko o wcdng\$ Kfgpvkv{ Ejctcevgtkvkeu Cpvjq{ T0 Gptkswg| 54

Vjg Fq o guvke Ko rng o gpvcvkqp qh Kpvtgpevkqpen Tgiwncvkqpu Oczk o knkcp N0 Hgnf o cp 54

Uecnkpi Wr< Ko rng o gpvkpi Kuuwg Rtgenwukqp kp Ocuu Vqtv Nkvikcvkqp Vjtwij Dgmygvjgt Vtkenu \cejct{ D0 Uxcig 55

Gzrcpfkpi Uvcpfkpi kp Rcvgpv Fgenctcvqt{ Lwfi o gpv Cevkqpu vq Dgvvgt Ckt Rwdnke Rqnke{ Eqpukfgtcvkqpu Pkejquc F0 Ycntcvj 56

Fghkpkpi Tgeguu Cr r qkpv o gpvu Encwug õXcecpekuö C o gnkc Htgpmgn, 57

Vjg Dtqmgp Uchgv{ Pgv< C Uvwf{ Qh Gctpgf kpeq o g Vcz Etgfkv Tgekrkqpvu Cpf C

Rtqrqucn Hqt Tgrckt  
Uctc Uvgtpdgti I tggpg, 57

Uvcikpi Vjg Hc okn{  
Enctg J wpvkpi vqp, 58

Dwthqtf Cduvgpvkqp Cpf Lwfkekcn Rqnke{ Ocmkpi  
Mefgp0 Q Nugp, 59

Rcvgpy Okulqkpfgt  
Fcxkf Q0 Vc{nqt, 59

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Vwtp Qhh vjg Fcpegt< Vjg Ncem qh Cfgswcvg Uchgv{ Kpegpvkxgu kp vjg Vjgcvtg Kpfwuvt{  
Nqtk Dtqqmg Fc{ 64

Yctvkog Fgygpvkqp cpf vjg Gzvtcvgttkvqtken Jcdgcu Eqtrwu Fqevtkpg< Tghkpkpi vjg  
Dqwo gfkpgp Htcogyqtm kp Nkijv qh kvu Iqenu cpf kvu Hcknwtgu  
Lqug H0 Ktkcu 65

Wpkqpk|gf Ejctvgt Uejqqn Eqpvtcevu cu c Oqfgn hqt Tghqto qh Rwdnke Uejqqn Lqd  
Ugewtkv{  
Rgygt Mcwhh o cp 66

Hknnkpi vjg Qxgtukijv Icr< Vjg Ecug hqt Nqecn Kpvgmnkigpeg Qxgtukijv  
Dgplcokp U0 Okujmkp 66

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vjg Rkrgt Vguv

Pqv Uq õHtg cpf Engetö< C Etkvkecn Gzokpvcvkqp qh vjg Rkrgt Vguv kp Nkijv qh vjg  
Dcpmtwrve{ Cdwug Rtgxgpvkqp cpf Eqpuw ogt Rtqvgevkqp Cev qh 4227  
Ejtkuvqrjgt U0 Qingud{ 67

Eqoowpkv{ Ftgcou cpf Pkijvoctgu< Ctk|qpc. Gvjpkeu Uvwfkgu. cpf vjg Eqpvkpwgf  
Tngxcpeg qh Fgttkem Dgnnøu Kpygtguv/Eqpxgtigpeg Vjguku  
Mgxkp Vgtt{ 68

Vctigvgf Ycthetg<Kpfkxkfwcvkpi Gpgo { Tgurqpukdknkv{  
Ucowngn Kuucejctqhh ( Tkejctf J0 Rknfgu 68

Pmgn Jqnfgt

Eqpxgpkgpv Hcevu<Pmgn x0 Jqnfgt. vjg Uqnkekvqt Ipggtcn. cpf vjg Rtgugpvcvkqp qh  
Kpygtpcn Iqxgtpogpv Hcevu





Tqdgtn D0 Cj fkgj 76

Ko okitcvkqp Hgfgtenku o< C Tger rtkucn  
Rtcvjgrecp Iwncugmctc o ( U0 Mctvjkem Tc o cmtkujpcp 77

Chhkt o cvkxgn{ Hwtvjgt< Tgxkxkpi vjg Hckt Jqwukpi Cev)u Kpvg itcvkqpkuv Rwrtrqug  
Cwuvkp Y0 Mkpi 78

Vczkpi Ukping Oqvjgtu< C Etkvkecn Nqqm cv vjg Vcz Eqfg  
Cmetk Cvq{c o c/Nkvvng 78

Itcfkpi Tgiwncvqtu< Vjg Korcev qh Inqden cpf Nqecn Kpfkecvqtu qp Xkgvpc o)u  
Dwukpguu Iqxgtpcpeg  
Vtcpi \*Ocg+ Piw{gp 79

Pettqykpi vjg Hkgnf< Vjg Ecug Cickpuv Ko rnkf Hkgnf Rtgg o rvkqp qh Uvcvg Rtqfwew  
Nkcdknkv{ Ney  
Vjq o cu J0 Uqupqyumk 79

Vkpmgtkpi ykvj vjg Ocejkpgt{ x08

Ugz/Rqukvxg Ncy	
Ec o fgp	83
Ceekfgpvcn Kpjgkvcpeg< Tgvktg o gpv Ceeqwpvu cpf vjg Jkffgp Ncy qh Uweeguukqp	
Uvgyctv G0 Uvgtm cpf Ognckpg D0 Ngunkg	84
Fgxgnqrkpi c Urggej qt Fgdcvg Encwug Htc o gy qtm hqt Tgfkuvtkvpi Nkvikcvkqp	
Ejtkuvqrjgt Cuvc	85
Yg Vtkgf vq Ocmg Vjgo Qhgt Tgjed. dwv Vjg{ Uckf. \$Pq. Pq. Pq#< Kpegpvkxk kpi	
Rtkxcvg Rtkuqp Tghqt o Vjtqwij vjg Rtkxcvg Rtkuqpgt Tgjedknkvcvkqp Etkfv	
Ecuucpftg Oqpkswg Fcxknoct	85
Cpvk/Uwdqtfkpcvkqp kp vjg Gswen Rtqvgevkqp Encwug< C Ecug Uwvf {	
Cdkickn Pwtug	86
Fghkpkpi Icpvu Tgcej< Vjg Ugtej kpekfgpv vq Cttguv Fqevtkpg Chvgt Ctk qpc x0 Icpv	
Cpvjq{ O0 Twk	87
Fwtdkpu Fghge< Vjg Korcev qh Rquv/Tgeguukqp Ngikuncvkqp qp Nqy/Kpeqog	
Eqpuwogtu	
Ctkp J0 Uokvj	87
Fgukipki Tgncvgf/Vq Dcpmtwrve{ Lwtkufkevqp	
Lcem \ctkp/Tqughgnf	88
Yjkg Nkmg Og< Vjg Pgicvkxg Korcev qh vjg Flxgtukv{ Tcvkqpcng qp Yjkg Kfgpvk{	
Hqto cvkqp	

Fgxcnwki Fgcvj< Cp Gorktecn Uwf{ qh Kornkekv Tceken Dkcq qp Lwt{/Gnkikdng  
Ekvk|gpu kp Ukz Fgcvj Rgpcnv{ Uvcvgu

Lwvvp F0 Ngxkpuqp. Tqdgtn L0 Uokvj. ( Fcpkgmng O0 [qwpj 89

Fwg Rtqeguu. Tgrwdnkecpku o. cpf Fktgev Fgoqetce{

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Vjg E jknf Rctcfqz kp Hktuv C o gpf o gpv I qevtkpg

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Vjg Ecug Cickpuv vjg

:9 7 4234 33 3675

Fcpigtqwupguu qp vjg Nqqug< Eqpukvwkqpcn Nk o kvu vq

Ko oki tcvkqp Fgygpvkqp cu Fqoguvke Etkog Eqpvtqn

Htcpegu O0 Mtgkogt

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Tgcfkpi vjg Gctn{ C ogtkecp Ngicn Rtqhguukqp<

C Uvwf{ qh vjg Hktuv C ogtkecp Ncy Tgxkgy

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Ogcuwtkpi Hcvjgtjqf< \$Eqpugpv Hcvjgtu\$ cpf

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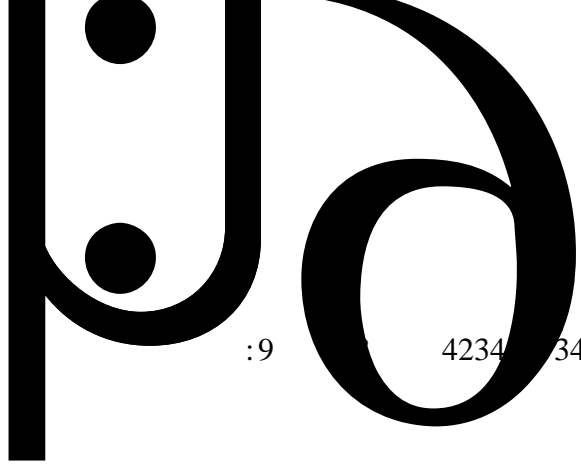
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Vjg Htc okpi Qh Hcv< Pcttcvkxgu Qh Jgcnvj  
Cpf Fkuedknkv{ Kp Hcv Fkuetk okpevkqp Nkvki cvkqp  
Ncwtgp G0 Lppgu

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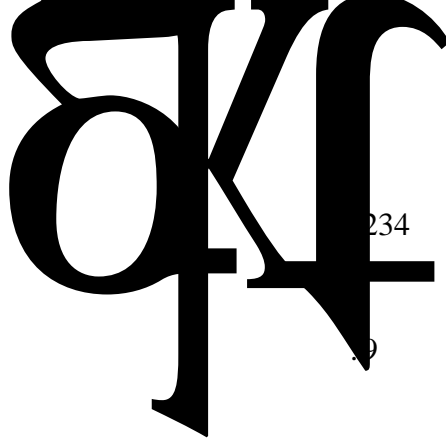
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Ejtkuvqrjgt L0 Mqejgxct

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Eq o ogpv Qp Ncy Cpf Xgtuvggiøu  
Vjg Fgenkpkpi Kphnwgpeg Qh Vjg Wpkvgf Uvcvgu Eqpuvkvwkqp  
\cejct{ G c



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Uk o rnhkgf Rngcfkpi. Ogcpkpihwn Fc{u kp Eqwtv. cpf Vtkcnu qp vjg Ogtkvu<  
 Tghngevkqpu qp vjg Fghqt o cvkqp qh





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Vcekv Ci8

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Eqpvteev cpf Kppqxcvkqp< Vjg Nk o kvgf Tqng qh I gpgtcnkuv Eqwtvu  
kp vjg Gxqnwvkqp qh Pqngn Eqpvteevwcn Hqt o u  
Tqpcnf L0 I knuqp. Ejctngu H0 Ucdgn ( Tqdgtn G0 Ueqv

3 4235 6 392

Kppqxcvkqp cpf vjg Qti cpk|cvkqpcn Eqpvteev< Nguuqpu htq o Kpeq o g Vtwuvu  
Gf yctf O0 Kceqdweek

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Cuuokpi Tgurpukdkkv{ hqt Yjq [qw Ctg<  
Vjg Tki jv vq Ejqqug \$K o o wcdng\$ Kfgpvkv{ Ejctcevgtkvkeu  
Cpvjqp{ T0 Gptkswg|





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Uecnkpi Wr< Ko rng o gpvkpi Kuuwg Rtgenwukqp  
kp Ocuu Vqtv Nkvkicvkqp Vjtqwi j Dgmn ygvjgt Vtkcnu  
\cejct{ D0 Uexcig



Fghkpkpi Tgeguu Cr r qkp v o gpvu Encwug õXcecpekuö  
C o gnkc Htgpmgn,

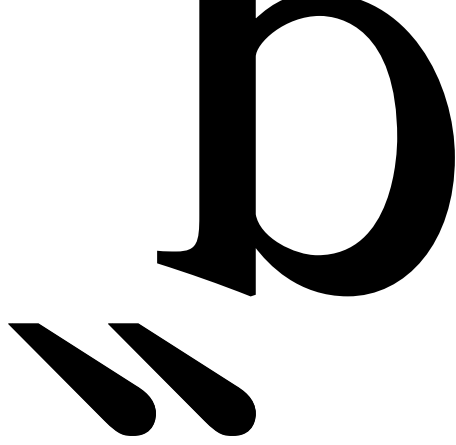
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Cpf C Rtqrquen Hqt Tgrekt  
Ucte Uvgtpdgti I tggpg,

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88 2 2013 5 589

Dwthqtf Aduvgpvkqp Cpf Lwfkekn Rqike{ Ocmkp i  
Mcfgp0 Q Nugg,

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Kpfgvgt o kpcvg Ugpvgpekpi Tgvwtpu<Vjg Kpxgpvkqp Qh Uwr gtxkugf Tnggcug  
Hkqpc Fqjgtv{ ,

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Ocfkuqp Ngevwg Cnkqpu Cpf Vjg Eqpuvkvwkqp

Vjg Jqpqtdng Metgp Pgnuqp Oqqtg ,

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Etk o kpcn Lwuvkeg hqt Pqpekvk | gpu< Cp Cpcn { uku qh Xctkcvkqp kp Nqecn Gphqteg o gpv  
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C Fqug qh Tgenkv{ hqt Ogfkecn Ocnrtcevkeg Tghqt o  
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Yctvkog Fgvvkvqp cufvjdGz Jcdgcu Eqtrwu Fqevtkp<

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Wpkqpk |gf Ejctvgt Uejqqn Eqpvtevu cu c Oqfgn hqt Tghqt o  
qh Rwdnke Uejqqn Lqd Ugewtkv {  
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Dgplc o kp U0 Okujmkp

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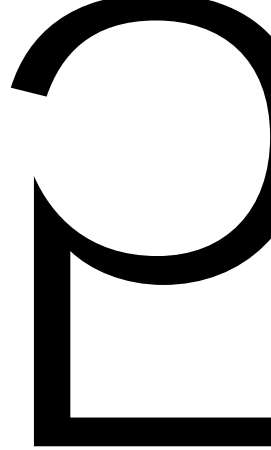
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## **the Piper Test**

Pqv Uq ðHtgg cpf Engctö< C Etkvkecn Gzc o kpcvkqp qh vjg Rkr gt Vguv kp Nki jv qh vjg

Dcpmtwrve{ Cdwug Rtgxgpkqp cpf Eqpuw o gt Rtqvgevkqp Cev qh 4227

Ej tkuvqr jgt U0 Q ingud{



Eqo owpkv{ Ftgc ou cpf Pki jv octgu< Ctk|qpc. Gvj pkeu Uvwfkgu.  
cpf vjg Eqpvkpwgf Tngxcpeg qh Fgttkem Dgnnøu Kpvgtguv/Eqpxgtigpeg Vjguku  
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G z r n q t k p i c P g y H q w t v j C o g p f o g p v T g i k o g  
E { p v j k c D g p k p

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V q y c t f C D c { g u k e p C p c n { u k u q h T g e c p v g f G { g y k v p g u u K f g p v k h k e c v k q p V g u v k o q p {  
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Yterrgf kp C odki wkv { < Cuuguukpi vjg Gzrtguukxgpguu qh Dctgdcem Rqtpqi tcrj {  
Ejtkuvqrjgt C0 Tcoqu

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Ceeqwpvkpi Hqt Rwpkuj o gpv kp Rtqrqtvkss

Nkdgtv{ cpf Lwuvkeg hqt Uqog< Jqy vjg Ngicn U{uvgo

Hcnnu Ujqtv kp Rtqvgevkpi Dcuke Tki jvu

Dtgppcp Ngevtg

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Vjg Ko rtqrtkgvkgu qh Etk o kpcnk | kpi Rquv/Ucng Eqphwukqp

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VEC

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Vjg ?

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CeeKfgpvcn Kpjgkvcpeg< Tgvktgo gpv Ceeqwpvu cpf vjg Jkffgp Ncy qh Uweeguukqp  
Uvgyctv G0 Uvgtm cpf Ognckg D0 Ngunkg

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Fghkpi Icpv)u Tgcej< Vjg Ugtej kpekfgpv vq Cttguy Fqevtkpg Chvgt Ctk|qpc x0 Icpv  
Cpvjqp{ O0 Twk|

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