

# The Legal Services Corporation Act 42 U.S.C. §2996 et seq. L`x 0+1/03

§ 100	01. Congressional findings and declaration of purpose. (§ 2996)	1
§ 100	02. Definitions. (§ 2996a)	2
§ 100	O3. Legal Services Corporation. (§ 2996b)	2
§ 100	<ul> <li>(a) Establishment; membership.</li> <li>(b) Term of office.</li> <li>(c) Board members not deemed officers or employees of United States.</li> <li>(d) Chairman.</li> <li>(e) Removal.</li> <li>(f) State advisory councils.</li> <li>(g) Open meetings; applicability of Government in the Sunshine provisions.</li> <li>(h) Quarterly meetings.</li> </ul>	4
§ 100	<ul> <li>Officers and employees. (§ 2996d)</li></ul>	ns.
§ 100	<ul> <li>(a) Powers of nonprofit corporation; additional powers.</li> <li>(b) Disciplinary powers; representational questions; interference with profession responsibilities of attorneys; bar membership; restrictions; languages other than English.</li> <li>(c) Participation in litigation; lobbying activities.</li> <li>(d) Miscellaneous prohibitions.</li> <li>(e) Political activities of Corporation employees and staff attorneys.</li> <li>(f) Harassment; malicious abuse of legal process.</li> </ul>	onal

## The Legal Services Corporation Act 42 U.S.C. §2996 et seq.

§ 1007. Grants and contracts. (§ 2996f)	9
(a) Requisites.	
(b) Limitations on uses.	
(c) Recipient organizations.	
(d) Program evaluation.	
(e) Corporation president authorized to make grants and enter into contracts.	
(f) Public notification.	
(g) Staff-attorney program study.	
(h) Study and report to Congress on special needs of eligible clients.	
§ 1008. Records and reports. (§ 2996g)	14
(a) Authority to require reports.	
(b) Authority to require recordkeeping; access to records.	
(c) Annual report to President and Congress; contents.	

## TITLE 42 THE PUBLIC HEALTH AMV5A§30§ARa5002600205800270042400028002a UWDE J CRVGT"Z ô NG I CN"UGTXKEGU"EOTROTCVKOP

	UWDEJCKVGI ZONGICN UGIZNEGU EQIKQICVNQP	
4;;80	Eqpitguukqpcn"hkpfkpiu"cpf"fgenctcvkqp"qh"rwtrqug0	""""""
4;;8c0	Fghkpkvkqpu0	
4;;8d0	Ngicn"Ugtxkegu"Eqtrqtcvkqp0	
4;;8e0	Dqctf"qh"Fktgevqtu0	
4;;8f0	Qhhkegtu"cpf"gornq{ggu0	
4;;8g0	Rqygtu."fwvkgu."cpf"nkokvcvkqpu0	
4;;8h0	I tcpvu"cpf"eqpvtcevu0	
4;;8i0	Tgeqtfu"cpf"tgrqtvu0	
4;;8j0	Cwfkvu0	
4;;8k0	Hkpcpekpi0	
4;;810	Urgekcn"nk o kvcvkqpu0	
4;;8m0	Eqqt fkpcvkqp0	
4;;8 <i>l</i> .	Tgugtxcvkqp"qh"tkijv"vq"tgrgcn."cnvgt."qt"cogpf0	

wpcdng"vq"chhqtf"cfgswcvg"ngicn"eqwpugn"cpf"vq"eqpvkpwg"vjg"rtgugpv"xkvcn"ngicn"ugtxkegu"rtqitco=
 \*5+"rtqxkfkpi"ngicn"cuukuvcpeg"vq"vjqug" yjq"hceg"cp"geqpqoke"dcttkgt"vq"cfgswcvg"ngicn"eqwpugn
 yknn"ugtxg"dguv"vjg"gpfu"qh"lwuvkeg"cpf"cuukuv"kp"kortqxkpi"qrrqtvwpkvkgu"hqt"nqy/kpeqog"rgtuqpu
 eqpukuvgpv" ykvj"vjg"rwtrqugu"qh"vjku"ejcrvgt=

 $*6 + "hqt" \ o \ cp\{"qh"qwt"ekvk \ | \ gpu."vjg"cxckncdknkv\{"qh"ngicn"ugtxkegiller \ o \ cp\{"qh"qwt"ekvk \ | \ gpu."vjg"cxckncdknkv["qh"ngicn"ugtxkegiller \ o \ cp"cycle \ o \ cp$ 

cfokpkuvtcvkxg"gzrgpugu"qh"vjg"Eqtrqtcvkqp=

jjæ'g'ildentitie erknetitti om'ije''orenkpygf."chvgt"tgeqoogptvyglu''g''orenkpygf."chvgt"tgeqoogptvyje''orenkpygf."chvgf"vq"rtcevkeg"

vfg'adjværenignjennigfg'ynndfrev"ny'æj'ppon"tgerrqkpvogpvo''Kh"pkpgv{

cliektingt'{ 'earpkpelniverji'q'kpygp'ath(0"V) g''gI qxgtpqt."vjg"Dqetf''ku"cwvjqt

p'orklingt{{ ''earpkpelniverji'q'kpygp'ath(0"V) g''gI qxgtpqt."vjg"Dqetf''ku"cwvjqt

r'aprklinknfrightp'gjk'u''tuydevjerverf''erkfiverpnkecdng"twngu."tgiwncvkqpu

gq'''ny'tphunjde''japrivg'tdjikvjjg"porkhhertvkqppwpekn"ujenn."cv"vjg"ucog"vko

aprke''j gesekeleggerfajliggtvk aggifdnyg"Eqtrqtevkqp"ujenn"ennqy

kpape''t gesekeleggerfajliggtvk aggifdnyg"Eqtrqtevkqp"ujenn"ennqy

kpape''s gesekeleggerfajliggtvk aggifdnyg"Eqtrqtevkqp"ujenn"ennqy

kpape''s gesekeleggerfajliggtvk aggifdnyg"Eqtrqtevkqp"ujenn'ennqy

## ritigango ggvkpi u="crrnkecdknkv{"qh" I qxgtp o gpv"kp"vjg"Uwpujkpg"

Ctnfi:"opg/Կph'iapˈdfi'oˈf xktntpd(t'eˈdwph'e-p { "gzgewvkxg"eqoookvvgg"qh"vjg"Dq g'iugʻdnkidgg"fi'kdplgqp'pgˈejkgjpgywktjgvoʻkgpuwdejcrvgt"ujcnn"dg"qrgp"cp e-ppfi'untqxkukqpu"qh"ugevkqp"774d"qh"vkvng"7"\*tgncvkpi "vq"qrgp"ogg

## \*j+"Swctvgtn{"oggvkpiu

\( \forall \) \(

## \*e+"Eqphnkev"qh"kpvgtguv

 $Pq"ogodgt"qh"vjg"Dqctf"oc{"rctvkekrcvg"kp"cp{"fgekukqp."cevkqp."qt"tgeqoogpfcvkqp"ykvj"tgurgevvq"cp{"ocvvgt"yjkej"fktgevn{"dgpghkvu"uwej"ogodgt"qt"rgtvckpu"urgekhkecnn{"vq"cp{"hkto"qtqticpk|cvkqp"ykvj"yjkej"uwej"ogodgt"ku"vjgp"cuuqekcvgf"qt"jcu"dggp"cuuqekcvgf"ykvjkp"c"rgtkqf"qhvyq"{gctu0}$ 

## \*f+"Eqorgpucvkqp

 $Qhhkegtu"cpf"g\ o\ rnq\{ggu"qh"vjg"Eqtrqtcvkqp"ujcnn"dg"eq\ o\ rgpucvgf"cv"tcvgu"fgvgt\ o\ kpgf"d\{"vjg"Dqctf.\ dwv"pqv"kp"gzeguu"qh"vjg"tcvg"qh"ngxgn"X"qh"vjg"Gzgewvkxg"Uejgfwng"urgekhkgf"kp"ugevkqp"7538"qh"vkng"70$ 

## \*g+"Qhhkegtu"cpf"g o rnq{ggu"pqv"fgg o gf"qhhkegtu"cpf"g o rnq{ggu"qh"Hgfgtcn" I qxgtp o gpv= Eqtrqtcvkqp"pqv"fgg o gf"c"fgrctv o gpv."cigpe{."qt"kpuvtw o gpvcnkv{"qh"Hgfgtcn" I qxgtp o gpv= tgxkg y "qh"cppwcn"dwfigv

 $*3 + "Gzegrv" cu"qvjgtykug" urgekhkecnn{"rtqxkfgf"kp"vjku"uwdejcrvgt."qhhkegtu"cpf"gornq{ggu"qh"vjgEqtrqtcvkqp"ujcnn"pqv"dg"eqpukfgtgf"qhhkegtu"qt"gornq{ggu."cpf"vjg"Eqtrqtcvkqp"ujcnn"pqv"dgeqpukfgtgf"c"fgrctvogpv."cigpe{."qt"kpuvtwogpvcnkv{."qh"vjg"Hgfgtcn"Iqxgtpogpv0}$ 

 $*4+"Pqvjkpi"kp"vjku"uwdejcrvgt"ujcm"dg"eqpuvtwgf"cu"nk o kvkpi"vjg"cwvjqtkv{"qh"vjg"Qhhkeg"qh Ocpcig o gpv"cpf"Dwfigv"vq"tgxkgy"cpf"uwd o kv"eq o o gpvu"wrqp"vjg"Eqtrqtcvkqp)u"cppwcn"dwfigv tgswguv"cv"vjg"vk o g"kv"ku"vtcpu o kvvgf"vq"vjg"Eqpitguu0$ 

## \*h+"Gzegrvkqpu

 $Qhhkegtu"cpf"g\ o\ rnq\{ggu"qh"vjg"Eqtrqtcvkqp"ujcnn"dg"eqpukfgtgf"qhhkegtu"cpf"g\ o\ rnq\{ggu"qh"vjg Hgfgtcn"\ I\ qxgtp\ o\ gpv"hqt"rwtrqugu"qh"vjg"hqnnqykpi"rtqxkukqpu"qh"vkvng"7<"uwdejcrvgt"K"qh"ejcrvgt": 3 *tgncvkpi"vq"eq\ o\ rgpucvkqp"hqt"yqtm"kplwtkgu+="ejcrvgt": 5"*tgncvkpi"vq"ekxkn"ugtxkeg"tgvktg\ o\ gpv+="ejcrvgt": 9"*tgncvkpi"vq"nkhg"kpuwtcpeg+="cpf"ejcrvgt": ;"*tgncvkpi"vq"jgcnvj"kpuwtcpeg+0"Vjg"Eqtrqtcvkqp"ujcnn o\ cmg"eqpvtkdwvkqpu"cv"vjg"uc\ o\ g"tcvgu"crrnkecdng"vq"cigpekgu"qh"vjg"Hgfgtcn"\ I\ qxgtp\ o\ gpv"wpfgt"vjg rtqxkukqpu"tghgttgf"vq"kp"vjku"uwdugevkqp0$ 

## \*i+"Htggfqo"qh"kphqtocvkqp

 $\label{lem:constraint} Vjg"Eqtrqtcvkqp"cpf"kvu"qhhkegtu"cpf"g\ o\ rnq\{ggu"ujcnn"dg"uwdlgev"vq"vjg"rtqxkukqpu"qh"ugevkqp"774"qhvkvng"7"*tgncvkpi"vq"htggfq\ o\ "qh"kphqt\ o\ cvkqp+0$ 

\*Rwd0"N0":::6674."vkvng"Z."È3227."cu"cffgf"Rwd0"N0";56577."È4."LQh

 $y \, kvj \, "ugevkqp"4;; \\ 81"qh"vj \, ku"vkvng."vjg"vgt \, o \, kpcvkqp"qh"uwej "cuukuvcpeg"qt"g \, o \, rnq \\ \{ \, o \, gpv."cu"fgg \, o \, gf \, crrtqrtkcvg"hqt"vjg"xkqncvkqp"kp"swguvkqp0 \\$ 

\*8 + "Kp" ctgcu" y jgtg" uk i pkhkecpv" pw o dgtu" qh"gnk i kdng" enkgpvu" u rgcm" c"ncp i wcig" qvjgt" v jcp" Gp i nkuj "cu v jgkt" rtkpek rcn" ncp i wcig." v jg" Eqtrqtcvkqp" u jcnn." vq" v jg" gzvgpv" hgcukdng." rtqxk fg" v jcv" v jgkt" rtkpek rcn ncp i wcig" ku" wugf" kp" v jg" rtqxkukqp" qh" ngicn" cuukuvcpeg" vq" uwej "enkgpvu" wp fgt" v jku" uwdejcrvgt0

## \*e+"Rctvkekrcvkqp"kp"nkvkicvkqp="nqdd{kpi"cevkxkvkgu

Vjg"Eqtrqtcvkqp"ujcnn"pqv"kvugnh ô

 $*3 + "rctvkekrcvg" kp"nkvkicvkqp" wpnguu" vjg" Eqtrqtcvkqp" qt"c"tgekrkgpv" qh" vjg" Eqtrqtcvkqp" ku"c"rctv {."qtc"tgekrkgpv" ku"tgrtgugpvkpi" cp"gnkikdng" enkgpv" kp"nkvkicvkqp" kp" yjkej" vjg" kpvgtrtgvcvkqp" qh" vjkuuwdejcrvgt" qt"c" tgiwncvkqp" rtqownicvgf" wpfgt" vjku" uwdejcrvgt" ku"cp" kuuwg." cpf" ujcnn" pqv" rctvkekrcvgqp" dgjcnh" qh" cp{"enkgpv" qvjgt" vjcp" kvugnh="qt" cp" kvugnh="q$ 

 $*4+"wpfgtvcmg"vq"kphnwgpeg"vjg"rcuucig"qt"fghgcv"qh"cp{"ngikuncvkqp"d{"vjg"Eqpitguu"qh"vjg"WpkvgfUvcvgu"qt"d{"cp{"Uvcvg"qt"nqecn"ngikuncvkxg"dqfkgu."gzegrv"vjcv"rgtuqppgn"qh"vjg"Eqtrqtcvkqp"oc{vguvkh{"qt"ocmg"qvjgt"crrtqrtkcvg"eqoowpkecvkqp"*C+"yjgp"hqtocm{"tgswguvgf"vq"fq"uq"d{"cngikuncvkxg"dqf{."c"eqookvvgg."qt"c"ogodgt"vjgtgqh."qt"*D+"kp"eqppgevkqp"ykvj"ngikuncvkqp"qtcrrtqrtkcvkqpu"fktgevn{"chhgevkpi"vjg"cevkxkvkgu"qh"vjg"Eqtrqtcvkqp0}$ 

## \*f+"Okuegmcpgqwu"rtqjkdkvkqpu

 $*3+"Vjg"Eqtrqtcvkqp"ujcm"jcxg"pq"rqygt"vq"kuuwg"cp{"ujctgu"qh"uvqem."qt"vq"fgenctg"qt"rc{"cp{fkxkfgpfu0}}$ 

 $*4+"Pq"rctv"qh"vjg"kpeqog"qt"cuugvu"qh"vjg"Eqtrqtcvkqp"ujcnn"kpwtg"vq"vjg"dgpghkv"qh"cp{"fktgevqt.} qhhkegt."qt"gornq{gg."gzegrv"cu"tgcuqpcdng"eqorgpucvkqp"hqt"ugtxkegu"qt"tgkodwtugogpv"hqt"gzrgpugu0$ 

\*5+"Pgkvjgt"vjg"Eqtrqtcvkqp"pqt"cp{"tgekrkgpv"ujcnn"eqpvtkdwvg"qt"ocmg"cxckncdng"eqtrqtcvg"hwpfu"qt rtqitco"rgtuqppgn"qt"gswkrogpv"vq"cp{"rqnkvkecn"rctv{"qt"cuuqekcvkqp."qt"vjg"ecorckip"qh"cp{ecpfkfcvg"hqt"rwdnke"qt"rctv{"qhhkeg0}

 $\label{eq:continuous} $$ ^*6+"Pgkvjgt"vjg"Eqtrqtcvkqp"pqt"cp{"tgekrkgpv"ujcnn"eqpvtkdwvg"qt"ocmg"cxckncdng"eqtrqtcvg"hwpfu"qt rtqitco"rgtuqppgn"qt"gswkrogpv"hqt"wug"kp"cfxqecvkpi"qt"qrrqukpi"cp{"dcnnqv"ogcuwtgu."kpkvkcvkxgu.qt"tghgtgpfwou0"Jqygxgt."cp"cvvqtpg{"oc{"rtqxkfg"ngicn"cfxkeg"cpf"tgrtgugpvcvkqp"cu"cp"cvvqtpg{"vqcp{"gnkikdng"enkgpv"ykvj"tgurgev"vq"uwej"enkgpv)u"ngicn"tkijvu0} $$$ 

 $*7 + "Pq" encuu" cevkqp" uwkv." encuu" cevkqp" crrgcn." qt" cokewu" ewtkcg" encuu" cevkqp" oc {"dg"wpfgtvcmgp.} fktgevn {"qt" vjtqwij" qvjgtu." d{"c"uvchh" cvvqtpg {."gzegrv" ykvj" vjg" gzrtguu" crrtqxcn" qh" c"rtqlgev" fktgevqt qh" c"tgekrkgpv" kp" ceeqtfcpeg" ykvj" rqnkekgu" guvcdnkujgf" d{"vjg" iqxgtpkpi' dqf {"qh" uwej" tgekrkgpv0}}$ 

 $*8+"Cvvqtpg\{u"g\ o\ rnq\{gf"d\{"c"tgekrkgpv"uj\ cm"dg"crrqkpvgf"vq"rtqxkfg"ng\ i\ cn"cuukuvcpeg"\ y\ kvj\ qwvtgcuqpcdng"eq\ o\ rgpucvkqp"qpn\{"\ y\ j\ gp"uwej"crrqkpv\ o\ gpv"ku"\ o\ cfg"rwtuwcpv"vq"c"uvcvwvg."twng."qt"rtcevkeg\ crrnkgf"\ i\ gpgtcnn\{"vq"cvvqtpg\{u"rtcevkekpi"kp"vjg"eqwtv"\ y\ j\ gtg"vjg"crrqkpv\ o\ gpv"ku"\ o\ cfg0\}$ 

## $*g+"Rqnkvkecn"cevkxkvkgu"qh"Eqtrqtcvkqp"gornq{ggu"cpf"uvchh"cvvqtpg{uller} and an extraction of the context o$

\*3+"Gornq{ggu"qh"vjg"Eqtrqtcvkqp"qt"qh"tgekrkgpvu"ujcmn"pqv"cv"cp{"vkog"kpvgpvkqpcnn{"kfgpvkh{"vjg} Eqtrqtcvkqp"qt"vjg"tgekrkgpv"ykvj"cp{"rctvkucp"qt"pqprctvkucp"rqnkvkecn"cevkxkv{"cuuqekcvgf"ykvj"crqnkvkecn"rctv{"qt"cuuqekcvkqp."qt"vjg"ecorckip"qh"cp{"ecpfkfcvg"hqt"rwdnke"qt"rctv{"qhhkeg0}

 $*4+"Gornq{ggu"qh"vjg"Eqtrqtcvkqp"cpf"uvchh"cvvqtpg{u"ujcnn"dg"fggogf"vq"dg"Uvcvg"qt"nqecngornq{ggu"hqt"rwtrqugu"qh"ejcrvgt"37"qh"vkvng"7."gzegrv"vjcv"pq"uvchh"cvvqtpg{"oc{"dg"c"ecpfkfcvg"kp"crctvkucp"rqnkvkecn"gngevkqp0}$ 

## \*h+" **J** ctcuu o gpv=" o cnkekqwu"cdwug"qh"ngicn"rtqeguu

 $\label{thm:cp:cevkqp:ku:eq} Kh"cp"cevkqp"ku"eq} o o gpegf"d{"vjg"Eqtrqtcvkqp"qt"d{"c"tgekrkgpv"cpf"c"hkpcn"qtfgt"ku"gpvgtgf"kp"hcxqt qh"vjg"fghgpfcpv"cpf"cickpuv"vjg"Eqtrqtcvkqp"qt"c"tgekrkgpv)u"rnckpvkhh."vjg"eqwtv"ujcm."wrqp"oqvkqp"d{vjg"fghgpfcpv"cpf"wrqp"c"hkpfkpi"d{"vjg"eqwtv"vjcv"vjg"cevkqp"ycu"eqoogpegf"qt"rwtuwgf"hqt"vjg"uqng rwtrqug"qh"jctcuuogpv"qh"vjg"fghgpfcpv"qt"vjcv"vjg"Eqtrqtcvkqp"qt"c"tgekrkgpv)u"rnckpvkhh"ocnkekqwun{cdwugf"ngicn"rtqeguu."gpvgt"cp"qtfgt"*yjkej"ujcnn"dg"crrgcncdng"dghqtg"dgkpi"ocfg"hkpcn+"cyctfkpitgcuqpcdng"equvu"cpf"ngicn"hggu"kpewttgf"d{"vjg"fghgpfcpv"kp"fghgpug"qh"vjg"cevkqp."gzegrv"yjgp"kpeqpvtcxgpvkqp"qh"c"Uvcvg"ncy."c"twng"qh"eqwtv."qt"c"uvcvwvg"qh"igpgtcn"crrnkecdknkv{0"Cp{"uwej"equvu"cpfhggu"ujcnn"dg"fktgevn{"rckf"d{"vjg"Eqtrqtcvkqp0}}$ 

\*Rwd0"N0"::6674."vkvng"Z."È3228."cu"cffgf"Rwd0"N0";56577."È4."Lwn{"47."3;96."::"Uvcv0"5:3="cogpfgf"

#### TGHGTGPEGU"KP"VGZV

 $\label{lem:condition} Vjg"Fkuvtkev"qh"Eqnwodkc"Pqprtqhkv"Eqtrqtcvkqp"Cev."tghgttgf"vq"kp"uwduge0"*c+."ku"Rwd0"N0":9678;."Cwi0"8.\\ 3;84."98"Uvcv0"487."cu"cogpfgf."yjkej"ku"pqv"encuukhkgf"vq"vjg"Eqfg0$ 

#### **COGPFOGPVU**

 $\textbf{3;99} \ \ \textbf{\^o} \ \ \textbf{Uwduge0"*c+*5+0"Rwd0"N0";76444."} \\ \textbf{\`e}7*c+."*d+."uwduvkvwvgf"\~o}."qt\"o"hqt"\~ocpf"pqv\"o"cpf"kp"rct0"*C+"kpugtvgfgzegrvkqp"hqt"dtqcf"igpgtcn"ngicn"qt"rqnke{"tgugctej0"}$ 

 $\label{thm:continuous} Uwduge0"*d+*3+0"Rwd0"N0"; 76444." E8*c+." fguki pcvgf"gzkuvkpi"rtqxkukqpu"cu"uwdrct0"*C+"cpf"cffgf"uwdrct0"*D+0 \\ Uwduge0"*e+*3+0"Rwd0"N0"; 76444." E8*d+." kpugtvgf"rtqxkukqpu"ugvvkpi"hqtvj"ukvwcvkqpu"yjgp"vjg"Eqtrqtcvkqp"oc{rctvkekrcvg"kp"nkvki cvkqp0}$ 

Uwduge0"\*f+\*8+0"Rwd0"N0";76444."È8\*e+."cffgf"rct0"\*8+0

 $Uwduge0"*h+0"Rwd0"N0"; 76444."\grave{E}:."uwduvkvwvgf"\~ovjg"eqwtv"ujcm\"o"hqt"\~ovjg"eqwtv"oc\{\"o0\}$ 

#### GHHGEVKXG"FCVG"QH"3;99"COGPFOGPV

 $C\ o\ gp\ f\ o\ gpv"d\ \{ "Rwd0"N0"\ ; 76444"ghhgevkxg"Fge0"4:."3\ ; 99."ugg"ugevkqp"39*d+"qh"Rwd0"N0"\ ; 76444."ugv"qwv"cu"cpqvg"wpfgt"ugevkqp"4\ ; \ ; 8"qh"v\ j\ ku"vkvng0$ 

## È4;;8h0" I tcpvu"cpf"eqpvtcevu

#### \*c+"Tgs wkukvgu

Y kvj"tgurgev"vq" i tcpvu"qt"eqpvtcevu"kp"eqppgevkqp" y kvj"vjg"rtqxkukqp"qh"ng i cn"cuukuvcpeg"vq"gnk i kdng enkgpvu"wpfgt"vjku"uwdejcrvgt."vjg"Eqtrqtcvkqp"ujcnn ô

\*3+"kpuwtg"vjg" o ckpvgpcpeg"qh"vjg"jkijguv"s wcnkv{"qh"ugtxkeg"cpf"rtqhguukqpcn"uvcpfctfu."vjg rtgugtxcvkqp"qh"cvvqtpg{/enkgpv"tgncvkqpujkru."cpf"vjg"rtqvgevkqp"qh"vjg"kpvgitkv{"qh"vjg"cfxgtuct{ rtqeguu"htqo"cp{"ko rcktogpv"kp"hwtpkujkpi"ngicn"cuukuvcpeg"vq"gnkikdng"enkgpvu=

 $*4+*C+"guvcdnkuj."kp"eqpuwnvcvkqp"ykvj"vjg"Fktgevqt"qh"vjg"Qhhkeg"qh"Ocpcigogpv"cpf"Dwfigv"cpfykvj"vjg"Iqxgtpqtu"qh"vjg"ugxgtcn"Uvcvgu."oczkowo"kpeqog"ngxgnu"*vcmkpi"kpvq"ceeqwpv"hcokn{"uk|g.wtdcp"cpf"twtcn"fkhhgtgpegu."cpf"uwduvcpvkcn"equv/qh/nkxkpi"xctkcvkqpu+"hqt"kpfkxkfwcnu"gnkikdng"hqtngicn"cuukuvcpeg"wpfgt"vjku"uwdejcrvgt=$ 

\*D+"guvcdnkuj" i wkfgnkpgu"vq"kpuwtg"vjcv"gnkikdknkv{"qh"enkgpvu"yknn"dg"fgvgtokpgf"d{"tgekrkgpvu"qpvjg"dcuku"qh"hcevqtu"yjkej"kpenwfgô

 ${}^*k + "vjg" nkswkf" cuugvu" cpf" kpeqog" ngxgn" qh" vjg" enkgpv.$ 

 $\label{eq:continuous} $$ kk+"vjg"hkzgf"fgdvu." ogfkecn"gzrgpugu."cpf"qvjgt"hcevqtu"yjkej"chhgev"vjg"enkgpv)u"cdknkv{"vqrc{.} }$ 

\*kkk+"vjg"equv"qh"nkxkpi"kp"vjg"nqecnkv{."cpf

 $\label{thm:condition} $$ x_+"uwej"qvjgt"hcevqtu"cu"tgncvg"vq"hkpcpekcn"kpcdknkv{"vq"chhqtf"ngicn"cuukuvcpeg."yjkej"oc{kpenwfg"gxkfgpeg"qh"c"rtkqt"fgvgtokpcvkqp"vjcv"uwej"kpfkxkfwcn)u"ncem"qh"kpeqog"tguwnvu"htqotghwucn"qt"wpyknnkpipguu."ykvjqwv"iqqf"ecwug."vq"uggm"qt"ceegrv"cp"gornq{ogpv"ukvwcvkqp="cpf"$ 

\*E+"kp ` u"nc J g0

"m" S )qtf"ngicn"c \$

CVW #

rtqxkukqp"qh"ngicn"cuukuvcpeg"kp"ecugu"kp" y j ke j "c"enkgpv"uggmu"qpn{"uvcvwvqt{"dgpghkvu"cpfcrrtqrtkcvg"rtkxcvg"tgrtgugpvcvkqp"ku"pqv"cxckncdng+=

\*4+"vq"rtqxkfg"ngicn"cuukuvcpeg" y kvj "tgurgev"vq"cp{"etkokpcn"rtqeggfkpi."gzegrv"vq"rtqxkfgcuukuvcpeg"vq"c"rgtuqp"ejctigf" y kvj "cp"qhhgpug"kp"cp"Kpfkcp"vtkdcn"eqwtv=

 $*5 + "vq" rtqxk fg"ng icn" cuukuvcpeg "kp" ekxkn" cevkqpu "vq" rgtuqpu "yjq" jcxg" dggp" eqpxkevg f"qh" c"etk o kpcn ejctig" yjgtg" vjg" ekxkn" cevkqp" ctkugu "qwv" qh" cnng igf" cevu "qt" hcknwtgu "vq" cev" cpf" vjg" cevkqp" ku "dtqwijv cickpuv" cp" qhhkegt "qh" vjg" eqwtv" qt" cickpuv" c"ncy" gphqteg ogpv" qhhkekcn" hqt" vjg" rwtrqug "qh" ejcnngpikpi vjg" xcnkfkv { "qh" vjg" etk okpcn" eqpxkevkqp=$ 

 $*6+"hqt"cp{"qh"vjg"rqnkvkecn"cevkxkvkgu"rtqjkdkvgf"kp"rctcitcrj"*8+"qh"uwdugevkqp"*c+"qh"vjku"ugevkqp=\\ *7+"vq"ocmg"itcpvu"vq"qt"gpvgt"kpvq"eqpvtcevu"ykvj"cp{"rtkxcvg"ncy"hkto"yjkej"gzrgpfu"72"rgtegpvqt"oqtg"qh"kvu"tguqwtegu"cpf"vkog"nkvkicvkpi"kuuwgu"kp"vjg"dtqcf"kpvgtguvu"qh"c"oclqtkv{"qh"vjg"rwdnke=}$ 

 $*8 + "vq"uwrrqtv"qt"eqpfwev"vtckpkpi"rtqitcou"hqt"vjg"rwtrqug"qh"cfxqecvkpi"rctvkewnct"rwdnke rqnkekgu"qt"gpeqwtcikpi"rqnkvkecn"cevkxkvkgu."ncdqt"qt"cpvkncdqt"cevkxkvkgu."dq{eqvvu."rkemgvkpi."uvtkmgu. cpf"fgoqpuvtcvkqpu."cu"fkuvkpiwkujgf"htqo"vjg"fkuugokpcvkqp"qh"kphqtocvkqp"cdqwv"uwej"rqnkekgu"qt cevkxkvkgu."gzegrv"vjcv"vjku"rtqxkukqp"ujcnn"pqv"dg"eqpuvtwgf"vq"rtqjkdkv"vjg"vtckpkpi"qh"cvvqtpg{u"qt rctcngicn"rgtuqppgn"pgeguuct{"vq"rtgrctg"vjgo"vq"rtqxkfg"cfgswcvg"ngicn"cuukuvcpeg"vq"gnkikdngenkgpvu=$ 

 $*9 + "vq"kpkvkcvg"vjg"hqtocvkqp."qt"cev"cu"cp"qticpk|gt."qh"cp{"cuuqekcvkqp."hgfgtcvkqp."qt"ukoknctgpvkv{."gzegrv"vjcv"vjku"rctcitcrj"ujcnn"pqv"dg"eqpuvtwgf"vq"rtqjkdkv"vjg"rtqxkukqp"qh"ngicn"cuukuvcpegvq"gnkikdng"enkgpvu=$ 

\*:+"vq"rtqxkfg"ngicn"cuukuvcpeg" y kvj "tgurgev"vq"cp{"rtqeggfkpi"qt"nkvkicvkqp" y j kej "uggmu"vq rtqewtg"c"pqpvjgtcrgwvke"cdqtvkqp"qt"vq"eq o rgn"cp{"kpfkxkfwcn"qt"kpuvkvwvkqp"vq"rgthqt o "cp cdqtvkqp."qt"cuukuv"kp"vjg"rgthqt o cpeg"qh"cp"cdqtvkqp."qt"rtqxkfg"hceknkvkgu"hqt"vjg"rgthqt o cpeg"qh"cp cdqtvkqp."eqpvtct{"vq"vjg"tgnkikqwu"dgnkghu"qt" o qtcn"eqpxkevkqpu"qh"uwej "kpfkxkfwcn"qt"kpuvkvwvkqp=

 $\label{eq:continuous} \begin{tabular}{ll} $*; +"vq"rtqxkfg"ngicn"cuukuvcpeg"ykvj"tgurgev"vq"cp{"rtqeggfkpi"qt"nkvkicvkqp"tgncvkpi"vq"vjg fgugitgicvkqp"qh"cp{"gngogpvct{"qt"ugeqpfct{"uejqqn"qt"uejqqn"u{uvgo."gzegrv"vjcv"pqvjkpi"kp"vjkurctcitcrj"ujcnn"rtqjkdkv"vjg"rtqxkukqp"qh"ngicn"cfxkeg"vq"cp"gnkikdng"enkgpv"ykvj"tgurgev"vq"uwejenkgpv)u"ngicn"tkijvu"cpf"tgurqpukdknkvkgu=\\ \begin{tabular}{ll} $*; +"vq"rtqxkfg"ngicn"ctqkpi gicn"vkj grupqvivj grupqvivj gentalisev genta$ 

\*32+"vq"rtqxkfg"ngicn"cuukuvcpe\$"ykvj"tgurgev"vq"cp{"rtqeggfkpipqxkvkpik kdkvcp

 $\$ \qquad \qquad n \qquad \qquad u''$ 

rwtuwcpv"vq"vjku"uwdejcrvgt"ctg"ecttkgf"qwv0

## \*g + "Eqtrqtcvkqp" rtgukfgpv" cwvjqtk | gf"vq" o cmg" itcpvu" cpf" gpvgt" kpvq" eqpvtcevu

 $\label{lem:cwvjqtk} Vjg"rtgukfgpv"qh"vjg"Eqtrqtcvkqp"ku"cwvjqtk | gf"vq" o cmg" i tcpvu"cpf"gpvgt"kpvq"eqpvtcevu"wpfgt"vjkuuwdejcrvgt0$ 

## $^*\text{h+"} Rwd \text{nke"} pq \text{vkhke} c \text{vkq} p$

**4222** ô Uwduge0"\*c+\*33+0"Rwd0"N0"32863:7"cffgf"rct0"\*33+0

**3;;9** ô Uwduge0"\*d+\*33+0"Rwd0"N0"327634"cffgf"rct0"\*33+0

**3;99** ô Uwduge0"\*c+\*4+\*D+\*kx+0"Rwd0"N0";76444."È;\*c+."uwduvkvwvgf"rtqx

 $\label{eq:continuity} jgtgkp"ujcm"rtqjkdkv"vjg"Eqtrqtcvkqp"Dqctf." ogodgtu."qt"uvchh"htqo"gpicikpi'kp"kp/jqwug"tgxkgyu"qh"qt jqnfkpi"jgctkpiu"qp"rtqrqucnu"hqt"c"u{uvgo"hqt"vjg"eqorgvkvkxg"cyctf"qh"cm"itcpvu"cpf"eqpvtcevu."kpenwfkpiuwrrqtv"egpvgtu."cpf"vjcv"pqvjkpi"jgtgkp"ujcm"crrn{"vq"cp{"eqorgvkvkxg"cyctfu"rtqitco"ewttgpvn{"kpgzkuvgpegö0}$ 

 $Rwd0"N0"3236384."vkvng"XK."\grave{E}82:"*rctv+."Pqx0"43."3;::,"325"Uvcv0"3258."rtqxkfgf<"\~oVjcv"pqpg"qh"vjg"hwpfucrrtqrtkcvgf"wpfgt"vjku"Cev"qt"wpfgt"cp{"rtkqt"Cevu"hqt"vjg"Ngicn"Ugtxkegu"Eqtrqtcvkqp"ujcm"dg"wugf"vqeqpukfgt."fgxgnqr."qt"korngogpv"cp{"u{uvgo"hqt"vjg"eqorgvkvkxg"cyctf"qh"itcpvu"qt"eqpvtcevu"wpvkn"uwej"cevkqpku"cwvjqtk|gf"rwtuwcpv"vq"c"oclqtkv{"xqvg"qh"c"Dqctf"qh"Fktgevqtu"qh"vjg"Ngicn"Ugtxkegu"Eqtrqtcvkqp"eqorqugfqh"gngxgp"kpfkxkfwcnu"pqokpcvgf"d{"vjg"Rtgukfgpv"chvgt"Lcpwct{"42."3;::,"cpf"uwdugswgpvn{"eqphktogf"d{"vjgWpkygf"Uvcvgu"Ugpcvg."gzegrv"vjcv"pqvjkpi"jgtgkp"ujcm"rtqjkdkv"vjg"Eqtrqtcvkqp"Dqctf."ogodgtu."qt"uvchh"htqogpicikpi"kp"kp/jqwug"tgxkgyu"qh"qt"jqnfkpi"jgctkpiu"qp"rtqrqucnu"hqt"c"u{uvgo"hqt"vjg"eqorgvkvkxg"cyctf"qh"cmitcpvu"cpf"eqpvtcevu."kpenwfkpi"uwrrqtv"egpvgtu."cpf"vjcv"pqvjkpi"jgtgkp"ujcm"crrn{"vq"cp{"eqorgvkvkxg"cyctf"ufurqitco"ewttgpvn{"kp"gzkuvgpeg="uwdugswgpv"vq"eqphktocvkqp"uwej"pgy"Dqctf"qh"Fktgevqtu"ujcm"fgxgnqr"cpfkorng ogpv"c"rtqrqugf"u{uvgo"hqt"vjg"eqorgvkvkxg"cyctf"qh"cm"itcpvu"cpf"eqpvtcevu\"0}$ 

 $Rwd0"N0"322667; ."vkvng"XK." \dot{E}827." Qev0"3."3; :::"324" Uvcv0"4449."rtqxkfgf<0 Vjcv"c"Dqctf"qh"Fktgevqtu"qh"vjg Ngicn"Ugtxkegu"Eqtrqtcvkqp."eqorqugf"qh"kpfkxkfwcnu"pqokpcvgf"d{"vjg"Rtgukfgpv"chvgt"Lcpwct{"42."3}; :;"cpfuwdugswgpvn{"eqphktogf"d{"vjg"Wpkvgf"Uvcvgu"Ugpcvg."ujcnn"fgxgnqr"cpf"korngogpv"c"u{uvgo"hqt"vjgeqorgvyjgeqorgvyytvyjgeqorgvyytvygeygtu."vq"vcmg"ghhgev"chvgt"Ugrvgodgt"52.3; :;0 \ddot{o}$ 

<sup>1</sup> See References in Text note below.

<sup>2</sup> So in original. Probably should be followed by a comma.

## È4;;8i0"Tgeqtfu"cpf"tgrqtvu

## \*c+"Cwvjqtkv{"vq"tgswktg"tgrqtvu

Vjg"Eqtrqtcvkqp"ku"cwvjqtk|gf"vq"tgswktg"uwej"tgrqtvu"cu"kv"fggou"pgeguuct{"htqo"cp{"itcpvgg.eqpvtcevqt."qt"rgtuqp"qt"gpvkv{"tgegkxkpi"hkpcpekcn"cuukuvcpeg"wpfgt"vjku"uwdejcrvgt"tgictfkpicevkxkvkgu"ecttkgf"qwv"rwtuwcpv"vq"vjku"uwdejcrvgt0

## \*d+"Cwvjqtkv{"vq"tgswktg"tgeqtfmggrkpi="ceeguu"vq"tgeqtfu

 $\label{lem:constraint} Vjg"Eqtrqtcvkqp"ku"cwvjqtk \mid gf"vq"rtguetkdg"vjg"mggrkpi'qh"tgeqtfu"ykvj"tgurgev"vq"hwpfu"rtqxkfgfd \\ d\{"itcpv"qt"eqpvtcev"cpf"ujcnn"jcxg"ceeguu"vq"uwej"tgeqtfu"cv"cnn"tgcuqpcdng"vkogu"hqt"vjg"rwtrqug"qhkpuwtkpi'eqornkcpeg"ykvj"vjg"itcpv"qt"eqpvtcev"qt"vjg"vgtou"cpf"eqpfkvkqpu"wrqp"yjkej"hkpcpekcncuukuvcpeg"ycu"rtqxkfgf0 \\ \\$ 

## \*e+"Cppwcn"tgrqtv"vq"Rtgukfgpv"cpf"Eqpitguu="eqpvgpvu

п

#### \*f+"Eqrkgu"cpf"tgvgpvkqp"qh"tgrqtvu

 $\label{lem:constraint} Eqrkgu"qh"cnn"tgrqtvu"rgtvkpgpv"vq"vjg"gxcnwcvkqp."kpurgevkqp."qt"oqpkvqtkpi"qh"cp{"itcpvgg.} \\ eqpvtcevqt."qt"rgtuqp"qt"gpvkv{"tgegkxkpi"hkpcpekcn"cuukuvcpeg"wpfgt"vjku"uwdejcrvgt"ujcnn"dg"uwdokvvgfqp"c"vkogn{"dcuku"vq"uwej"itcpvgg."eqpvtcevqt."qt"rgtuqp"qt"gpvkv{."cpf"ujcnn"dg"ockpvckpgf"kp"vjgrtkpekrcn"qhhkeg"qh"vjg"Eqtrqtcvkqp"hqt"c"rgtkqf"qh"cv"ngcuv"hkeoOO #t ekr og"wevkqp."$ 

 $52" fc \{u"rtkqt"vq"vjgkt"ghhgevkxg"fcvg"cnn"kvu"twngu."tgiwncvkqpu."iwkfgnkpgu."cpf"kpuvtwevkqpu0 \\ *Rwd0"N0"::6674."vkvng"Z."E322:."cu"cffgf"Rwd0"N0";56577."E4."Lwn{"47."3;96."::"Uvcv0"5:8="cogpfgfRwd0"N0";76444."E;*d+*4+."Fge0"4:."3;99.";3"Uvcv0"38430+$ 

#### **COGPFOGPVU**

3;99 ô Uwduge0"\*e+0"Rwd0"N0";76444"kpugtvgf"rtqxkukqpu"ugvvkpi "hqtvj"tgswktgf"eqpvgpvu"qh"cppwcn"tgrqtv0

#### GHHGEVKXG"FCVG"QH"3;99"COGPFOGPV

 $C\ o\ gp\ f\ o\ gpv"d\ \{"Rwd0"N0"; 76444"ghhgevkxg"Fge0"4:."3; 99."ugg"ugevkqp"39*d+"qh"Rwd0"N0"; 76444."ugv"qwv"cu"cpqvg"wp\ fgt"ugevkqp"4;; 8"qh"vjku"vkvng0$ 

#### VGTOKPCVKQP"QH"TGRQTVKPI"TGSWKTGOGPVU

 $\label{thm:continuous} Hqt"vgtokpcvkqp."ghhgevkxg"Oc{"37."4222."qh"rtqxkukqpu"kp"uwduge0"*e+"qh"vjku"ugevkqp"tgncvkpi"vq"hknkpi"cppwcntgrqtv"ykvj"Eqpitguu."ugg"ugevkqp"5225"qh"Rwd0"N0"326688."cu"cogpfgf."ugv"qwv"cu"c"pqvg"wpfgt"ugevkqp"3335"qhVkvng"53."Oqpg{"cpf"Hkpcpeg."cpf"kvgo"4"qp"rcig"424"qh"Jqwug"Fqewogpv"Pq0"325690$ 

## È4;;8j0"Cwfkvu

## $*c + "Cppwcn" cwfkv = "cxckncdknkv" \{ "qh"tgeqtfu = "hknkpi" cpf"kpurgevkqp" qh"tgrqtv \} \\$

 $*3+"Vjg"ceeqwpvu"qh"vjg"Eqtrqtcvkqp"ujcm"dg"cwfkvgf"cppwcnn\{0"Uwej"cwfkvu"ujcnn"dg"eqpfwevgf"kpceeqtfcpeg"ykvj"igpgo wewej"tgncuqo V2 qtfcknkv{"o` '$ 



 $tgrqtv"qh"gcej"uwej"cwfkv"ujcnn"dg"ockpvckpgf"hqt"c"rgtkqf"qh"cv"ngcuv"hkxg"{gctu"cv"vjg"rtkpekrcn"qhhkegqh"vjg"Eqtrqtcvkqp0}\\$ 

 $*4+"Wrqp"tgswguv."vjg"Eqtrqtcvkqp"ujcnn"uwdokv"vq"vjg"Eqorvtqnngt" I gpgtcn"qh"vjg"Wpkvgf"Uvcvgueqrkgu"qh"uwej"tgrqtvu."cpf"vjg"Eqorvtqnngt" I gpgtcn"oc{."kp"cffkvkqp."kpurgev"vjg"dqqmu."ceeqwpvu.hkpcpekcn"tgeqtfu."hkngu."cpf"qvjgt"rcrgtu"qt"rtqrgtv{"dgnqpikpi"vq"qt"kp"wug"d{"uwej"itcpvgg.eqpvtcevqt."qt"rgtuqp"qt"gpvkv{."yjkej"tgncvg"vq"vjg"fkurqukvkqp"qt"wug"qh"hwpfu"tgegkxgf"htqo"vjgEqtrqtcvkqp0"Uwej"cwfkv"tgrqtvu"ujcnn"dg"cxckncdng"hqt"rwdnke"kpurgevkqp."fwtkpi"tgiwnct"dwukpguujqwtu."cv"vjg"rtkpekrcn"qhhkeg"qh"vjg"Eqtrqtcvkqp0$ 

## \*f+"Cvvqtpg{/enkgpv"rtkxkngig

 $Pqvykvjuvcpfkpi"vjg"rtqxkukqpu"qh"vjku"ugevkqp"qt"ugevkqp"4;;8i"qh"vjku"vkvng."pgkvjgt"vjg\\ Eqtrqtcvkqp"pqt"vjg"Eqorvtqnngt" I gpgtcn"ujcnn"jcxg"ceeguu"vq"cp{"tgrqtvu"qt"tgeqtfu"uwdlgev"vq"vjgcvvqtpg{/enkgpv"rtkxkngig0}$ 

 $*Rwd0"N0":: 6674."vkvng"Z." \grave{E}322;."cu"cffgf"Rwd0"N0"; 56577." \grave{E}4."Lwn{"47."3;96.":: "Uvcv0"5:9="cogpfgfRwd0"N0"; 76444." \grave{E}36."Fge0"4:."3;99."; 3"Uvcv0"3845="Rwd0"N0"326688."vkvng"KK." \grave{E}4333."Fge0"43."3;; 7.32; "Uvcv0"952="Rwd0"N0"32:6493." \grave{E}:*d+."Lwn{"9."4226."33:"Uvcv0":360+$ 

#### **EQFKHKECVKQP**

 $\label{eq:continuous} $$Kp"uwduge0"*d+*4+."\~ougevkqp"5745*e+"qh"vkvng"53\"o"uwduvkvwvgf"hqt"\~ougevkqp"339*d+"qh"vjg"Ceeqwpvkpi"cpf$$ Cwfkvkpi"Cev"qh"3;72"*53"W0U0E0"89*d++\"o"qp"cwvjqtkv{"qh"Rwd0"N0";9647:."\grave{E}6*d+."Ugrv0"35."3;:4.";8"Uvcv0"3289. vjg"hktuv"ugevkqp"qh"yjkej"gpcevgf"Vkvng"53."Oqpg{"cpf"Hkpcpeg0}$ 

#### **COGPFOGPVU**

**4226** ô Uwdugeu0"\*c+\*5+. "\*d+\*3+. "\*4+0"Rwd0"N0"32: 6493"uwduvkvwvg f"õ I qx 1 @ € € ð

 $vtkdcn"hwp fu"*kpenw fkp i "hqwp fcvkqp"hwp fu"dgpghkvkp i "Kp fkcpu"qt"Kp fkcp"vtkdgu+"cp f"gzrgp fkp i "vjgo"kpceqt fcpeg" y kvj "vjg" rwtrqugu"hqt" y jkej "vjg {"ctg"rtqxk fg f."qt"vq"rtgxgpv"eqpvtcevkp i "qt"ocmkp i "qvjgtcttcp i go gpvu" y kvj "rtkxcvg"cvvqtpg {u."rtkxcvg"nc y "hkt o u."qt"qvjgt"Uvcvg"qt"nqecn"gpvkvkgu"qh"cvvqtpg {u."qt y kvj "ng i cn"ck f"uqekgvkgu" j cxkp i "ugrctcvg" rwdnke" fghgp fgt"rtq i tc o u."hqt"vjg"rtqxkukqp"qh"ng i cncuukuvcpeg"vq"gnk i kdng"enkgpvu"wp fgt"vjku"uwdejcrvgt0 } \\$ 

## ${}^*f + {}^{\shortparallel}Nk\ o\ kvcvkqpu"qp"i\ tcpv"qt"eqpvtcev"cwvj\ qtkv\{$

 $Pqv"\ o\ qtg"vj\ cp"32"rgtegpv"qh"vj\ g"c\ o\ qwpvu"crrtqrtkcvg\ f"rwtuwcpv"vq"uwdugevkqp"*c+"qh"vjku"ugevkqp"hqt cp{"hkuecn"{gct"uj\ cm"dg"cxckncdng"hqt"itcpvu"qt"eqpvtcevu"wpfgt"ugevkqp"4;;8g*c+*5+"qh"vjku"stc\ o\ O}$