

**Hcneqp"Ugewtkv{ "Tgxkg y**

**Rcujqx"Cwfkv" I tqwr**

Eqpfwevgf"d{<"Ej a523."rgcpwvu."|ctm."Wfugp

Hgdtwct{"39vj"4247"/"Hgdtwct{"43uv"4247

# Eqpvgpvu

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30"Cdqwv"Rcu j qx"Cwfkv" I tqwr	2
40"Fkuenck o gt	2
50"Kpvtqfwevkqp	2
60"Cdqwv"Hcneqp	3
70"Tkum"Encuuk f ecvkqp	3
7030"K o rcev	3
7040"Nkmgnkjqqf	4
7050"Cevkqp"tgs wktgf"hqt"ugxg tkv{"ngxgnu	4
80"Ugewtkv{"Cuuguu o gpv"Uw o o ct{	4
90"Gzgewvkg"Uw o o ct{	5
:0"Hkpfkpiu	7
:030"Ogfkwo"Hkpfkpiu	7
]O/23_"Ncu v"ykv j ftc y cn"ecp"dg"FqUgf	7
]O/24_"Ujctgu"ecppqv"dg" o kpv g f"qp" c" fgrqukv"cvvcem	11
:040"Nqy"Hkpfkpiu	14
]N/23_"Tgfkuvtkdwwkqp"kp"tgfkuvtkdwwgNqemgfC o qwpv*+ o c{"encu j	14
]N/24_"Kpeqttgev"gxgpv" g o kuukqp	15
]N/25_"Eqqnfqy pGpf"rwu j g f"nqp i gt"y j gp eqqnfqy pCuugvu*+"ku"ecnngf	16
]N/26_"Nqy"fqmnc t"r tkeg"vqm g pu"ecp"pqv"dg"wugf"cu eqmncvgtcn"kp"Encuuke OkpvgtX3	17
]N/27_"ecnngtHwpfgf Okpv*+"fqgu"pqv"y qtm"y kv j "hgg/qp/ vtcpuhgt"vqm g pu	17
]N/28_"Tguvtkev g f"wugtu"ecp"ecm"v j g"UvcmgfWUFh<<wpuvcmg	18
]N/29_"Ejcp i kpi"xguvkpiRgtkqf"eqttwrvu"vqvcnCuugvu tgvwtpgf"xcnwg	19
]N/2:_ "Kpeqpukuvgpv"wpuvcmg"dgjcxkqt"chvgt"eqqnfqy p fwtcvkqp"tgfwevkqp	19
]N/2;_"Rcwukpi"UvcmkpiTgyctfuFkuvtkdwwqt"rtgxgpvu tgyctf"fkuvtkdwwkqp	21
]N/32_"Tguvtkev g f"wugtu"ecp"d{ r cuu"cuugv"eqp f uecvkqp"xkc vtcpuhgtu	

# 30"Cdqwv"Rcu j qx"Cw fkv" I tqwr

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Rcu j qx"Cw fkv" I tqwr"eqpukuvu"qh" o wnvkrng"vgc o u"qh"uq o g"qh"vj g"dguv"u o ctv"eqpvtcev  
ugewtkv{"tgugcte j gtu"kp"vj g"urceg0" J cxkpi" c"eq o dkpgf"tgrqtvgf"ugewtkv{  
xwnpgtcdknkvkgu"eqwpv"qh"qxgt"3222."vj g" i tqwr"uvtkxgu"vq"etgcvg"vj g"cduqnwvg"xgt{"dguv  
cw fkv"lqwtpg{"rquukdng"/"cnvj qwi j"322 ' "ugewtkv{"ecp"pgxgt"dg"i wctcpvggf."y g"f q  
i wctcpvgg"vj g"dguv"ghhqtvu"qh"qwt"gz r g t k g p e g f"tgugcte j gtu"hqt" { qwt"dnqeme j ckp  
rtqvqeqn0"E j gem"qwt"rtgxkqwu" y qtm"jgtg"qt"tgcej"qvv"qp"Vy kvvgt" Brcujqxmtw o.0

# 40"Fkuenck o gt

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C"u o ctv"eqpvtcev"ugewtkv{"tgxkgy"ecp"pgxgt"xgtkh{"vj g"eq o rngvg"cdugpeg"qh  
xwnpgtcdknkvkgu0"V j ku"ku" c"vk o g."tguqwtg"cpf"gz r g t k u g"dqwpf"ghhqtv" y jgtg"y g"vt{"vq  
l p f"cu" o cp{"xwnpgtcdknkvkgu"cu"rquukdng0" Y g"ecp"pqv"i wctcpvgg"322 ' "ugewtkv{"chvgt  
vj g"tgxkgy"qt"gxgp"kh"vj g"tgxkgy" y kmn" l p f"cp{"rtqdng o u"y kvj" { qwt"u o ctv"eqpvtcevu0  
Uwdugswgpv"ugewtkv{"tgxkgyu."dw i"dqwpv{"rtqi tc o u"cpf"qp/ej ckp" o qpkvqtkpi"ctg  
uvtqpin{"tgeq o o gpfgf0

# 50"Kpvtq fwevkqp

---

C"vk o g/dqzgf"ugewtkv{"tgxkgy"qh"vj g"hcneqp l p c p e g l h c n e q p / e q p v t c e v u / g x o  
tgrqkvqt{"y cu"fqpg"d{"**Rcu j qx"Cw fkv" I tqwr.**"y kvj" c" hqewu"qp"vj g"ugewtkv{"curgevu  
qh"vj g"cr rnkecvkqp)u"u o ctv"eqpvtcevu" k o rng o gpvcvkqp0

# 60"Cdqwv"Hcneqp

Hcneqp"ku"c"uvcdngeqkp"u{uvgo"egpvgtgf"ctqwpf"WUFh."c"u{pvjgyke"fqnnect"GTE42  
vqmgp."cpf"uWUFh."cp"GTE6848"xcwnv"hqt"uvcmkpi"WUFh"vq"gctp">{kgnf."ykvj  
HcneqpRqukvkqp."c"wpkswg"GTE943"PHV."gpcdnkpi"vko g/dqwpf."dqquvgf">{kgnf  
rqukvkqpu0"Vjg"rncvhqto"cnuq"kpenwfgu"cwzknkct{"eqpvtcevu"nkmg"HcneqpDwpfngt"hqt  
uvtgc onkpgf"vtcpucevkqpu."RtgEqnncvgtcnk|gfOkpvgthqt"okpvkpi"WUFh.  
UvcmkpiTgyctfuFkuvtkdwvqt"hqt">{kgnf"fkuvtkdwvkqp."cpf"WUFhUknq"hqt"jqnfkpi"WUFh  
fwtkpi"uvcmkpi"eqqnfqyp0

# 70"Tkum"Encuukłecvkqp

Ugxgtkv{	Ko rcev<"Jki j	Ko rcev<"Ogfkwo	Ko rcev<"Nqy
Nkmgнкjqqf<"Jki j	Etkvkecn	Jki j	Ogfkwo
Nkmgнкjqqf<"Ogfkwo	Jki j	Ogfkwo	Nqy
Nkmgнкjqqf<"Nqy	Ogfkwo	Nqy	Nqy

# 7030"Ko rcev

- Jki j"/"ngcfu"vq"c"ukipkłecpv"ocvgtkcн"nquu"qh"cuugvu"kp"vjg"rtqvqeqn"qt"ukipkłecpv{  
jctou"c"itqwr"qh"wugtu0
- Ogfkwo "/"qpн{"c"uocnн"coqwpv"qh"hwpfu"ecp"dg"nquv"\*uwej"cu"ngcmcig"qh"xcnwg+"qt"c  
eqtg"hwpevkqpcнкv{"qh"vjg"rtqvqeqn"ku"chhgevgf0
- Nqy"/"ecp"ngcf"vq"cp{"mkpf"qh"wpgzrgevgf"dgjcxkqt"ykvj"uqog"qh"vjg"rtqvqeqn)u  
hwpevkqpcнкvkgu"vjcv)u"pqv"uq"etkvkecn0

## 7040"Nkmgнкj qq f

- Jkij"/"cvcem"rcvj"ku"rquukdng"ykvj"tgcupcdng"cuuw o rvkqpu"vjcv"okoke"qp/ejckp eqpfkvkqpu."cpf"vjg"equv"qh"vjg"cvvcem"ku"tgncvkxgn{"nqy"eq o rctgf"vq"vjg"coqwpv"qh hwpfu"vjcv"ecp"dg"uvqngp"qt"nquv()
- Ogfkwo"/"qp{"c"eqpfkvkqpcmn{"kpegpvkxk|gf"cvvcem"xgevqt."dwv"uvknn"tgncvkxgn{nkmg{"0
- Nqy"/"jcu"vqq"ocp{"qt"vqq"wpnkmg{"cuuw o rvkqpu"qt"tgs wktgu"cu"uk i pk l ecpv"uvcmg"d{vjg"cvvcemgt"ykvj"nkvnng"qt"pq"kpegpvkxg()

## 7050"Cevkqp"tgs wktgf"hqt"ugxgtkv{"ngxgnu

- Etkvkecn"/"Owuv"l z"cu"uqqp"cu"rquukdng"\*kh"cntgcf{"fgrnq{gf+
- Jkij"/"Owuv"l z"\*dghqtg"fgrnq{ogpv"kh"pqv"cntgcf{"fgrnq{gf+
- Ogfkwo"/"Ujqwnf"l z
- Nqy"/"Eqwnf"l z

## 80"Ugewtkv{"Cuuguu o gpv"Uw o o ct{

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tgxkgy"eqo okv"jcuj"/":e56c464cg8e5:g4276f7g5dd84g6654:55:ccc3

l zgu"tgxkgy"eqo okv"jcuj"/":gg5877e:h96993:c4d:7f::f9:722f93e6:63886

## Ueqrg

Vjg"hqnnqykp i"u o ctv"eqpvtcevu"ygtg"kp"ueqrg"qh"vjg"cwfkv<

- $O \rightarrow \acute{a}bb \leftrightarrow \acute{R} \leftrightarrow \wedge \backslash \acute{a} \ddot{U} F$
- $\hat{O} \acute{a} \rightarrow \acute{\sim} \wedge \acute{N} | \wedge \ddot{a} \rightarrow \acute{a} \tilde{a}$
- $\hat{O} \acute{a} \rightarrow \acute{\sim} \wedge \acute{S} \sim b \leftrightarrow \backslash \leftrightarrow \wedge$
- $\acute{S} \tilde{a} \acute{a} O \sim \rightarrow \rightarrow \acute{a} \backslash \acute{a} \tilde{a} \acute{a} \rightarrow \sim \acute{a} \tilde{a} R \leftrightarrow \wedge \backslash \acute{a} \tilde{a}$
- $U \backslash \acute{a} \leftarrow \acute{a} \tilde{a} \hat{U} U \mathbb{E} \grave{a}$
- $U \backslash \acute{a} \leftrightarrow \wedge \& \acute{P} \acute{a} \} \acute{a} \tilde{a} \tilde{a} b \mathbb{E} \leftrightarrow b \backslash \acute{a} \leftrightarrow \acute{a} | \backslash \sim \tilde{a}$
- $\hat{U} U \mathbb{E} \grave{a}$
- $\hat{U} U \mathbb{E} \grave{a} U \leftrightarrow \sim$

# 90"Gzgewvkxg"Uw o o ct{

Qxgt"vjg"eqwtug"qh"vjg"ugewtkv{"tgxkgy."Eja523."rgcpwvu."|ctm."Wfugp"gpicigf"ykvj  
Hcneqp"vq"tgxkgy"Hcneqp0"kp"vjku"rgtkqf"qh"vko g"c"vqvcn"qh"34"kuuwgu"ygtg"wpeqxgtgf0

## Rtqvqeqn"Uw o o ct{

Rtqvqeqn"Pc o g	Hcneqp
Tgrqukvqt{	jwru<11ikvjwd0eq o lhcnepplpcpeglhcnepq/eqpvtcevu/gx o
Fcvg	Hgdtwct{"39vj"4247"/"Hgdtwct{"43uv"4247
Rtqvqeqn"V{ rg	Uvcdngeqkp

## Hkpfkpiu"Eqwpv

Ugxgtkv{	C o qwpv
Ogfkwo	4
Nqy	32
Vqvcn"Hkpfkpiu	34

## Uw o o c t { " q h " H k p f k p i u

KF	Vkvng	Ugxgthv{	Uvcvwu
]O/23_	Ncu"ykvjftcyen"ecp"dg"FqUgf	Ogfkwo	Cempqyngfigf
]O/24_	Ujctgu"ecppqv"dg"okpvgf"qp"c"fgrqukv cvcem	Ogfkwo	Tguqnxgf
]N/23_	Tgfkutkdwvkqp"kp tgfkutkdwvgnqemgfCoqwpv*+"oc{ encuj	Nqy	Cempqyngfigf
]N/24_	kpeqttgev"gxgpv"go kuukqp	Nqy	Tguqnxgf
]N/25_	EqqnfqypGpf"rwujgf"nqpi gt"y jgp eqqnfqypCuugvu*+"ku"ecmngf	Nqy	Cempqyngfigf
]N/26_	Nqy"fqnct"rtkeg"vqmgpu"ecp"pqv"dg wugf"cu"eqmncvgtcn"kp"EncuukeOkpvg tX3	Nqy	Cempqyngfigf
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]N/29_	Ejcpikpi"xguvkpiRgtkqf"eqttwrvu vqcnCuugvu"tgwtpgf"xcnwg	Nqy	Tguqnxgf
]N/2:_	kpeqpukuvgpv"wpuvcmg"dgjcxkqt"chvgt eqqnfqyp"fwtcvkqp"tgfwvkqp	Nqy	Tguqnxgf
]N/2:_	Rcwukpi"UvcmkpiTgyctfuFkuvtkdwvqt rtgxgpvu"tgyc tf"fkuvtkdwvkqp	Nqy	Cempqyngfigf
]N/32_	Tguvtkevgf"wugtu"ecp"d{rcuu"cuugv eqp luecvkqp"xkc"vtcpuhtu	Nqy	Tguqnxgf

# : 0" Hkp fkp i u

:030" Ogfkwo "Hkpfkpiu

10/23\_"Ncuv"ykvjftcy cn"ecp"dg"FqUgf

Ug<sub>x</sub>gt<sub>k</sub>v{

K o r c e v < " J k i j

Nkmgnk.j qq f<"Nq y

**F g u e t k r v k q p**

kp"U\á←æäÛUᄢàÈb→}.gxgt{"ykvjftcy cn"ku"rgthqt ou" c"ejgem"\*Ž´âá´←R→^Uâáãæb+  
vjcv"gphqtegu"vjcv"kh"\~\á→U|\*→]ÇD"ku"pqp/|gtq."kv"o wuv"dg"i tgcvgt"vjcp  
RØSŽUØŦÓUÁKKÁFæFÎ0"Vjku"tguvtkevqap"etgcvgu" c" FqU"xwnpgtcdknkv{"hqt"vjg"ncuv  
wugt"cwvg o rvkpi"vq"ykvjftcy"vjgkt"vqmgpu0

Cp"cvvcemgt"ecp"htqpvtwp"vjg"ncuv"ykvjftcy cn"vtcpucevkqp"d{"fgrqukvkpi"cuo cmm  
coqwpv."ecwukpi"Ž'ǎǎ←R↗Uǎǎǎǎb"vq"tgxgtv"vjg"ngikvkocvg"ykvjftcy cn0"Chvgt  
uweeguuhwnn{"gzgewkpi"vjg"fqU."vjg"cvvcemgt"ecp"vjgp"dcentwp"vjgkt"qyp  
ykvjftcy cn."gpuwtkpi"vjcv"vjg"ngikvkocvg"wugt"tgo ckpu"wpcdng"vq"ykvjftcy"vjgkt  
vqmgpu"kpfglpkvgn{"cpf"cv"pq"equv0



à | ^ ^ \ ↔ ~ ^ Ā Ž } ↔ \ á á á á } Ç  
 Ā Ā Ā Ā Ā Ā Ā Ā ā ā ā ā æ b b Ā ´ á → æ ā Ē  
 Ā Ā Ā Ā Ā Ā Ā Ā ā ā ā ā æ b b Ā ā æ ´ æ ↔ { æ ā Ē  
 Ā Ā Ā Ā Ā Ā Ā Ā ā ā ā ā æ b b Ā ~ } ^ æ ā Ē  
 Ā Ā Ā Ā Ā Ā Ā Ā | ↔ ^ \ G I W Ā ā b b æ \ b Ē  
 Ā Ā Ā Ā Ā Ā Ā Ā | ↔ ^ \ G I W Ā b ā ā ā æ b  
 Ā Ā Ā Ā D  
 Ā Ā Ā Ā Ā Ā Ā Ā ↔ ^ \ æ ā ^ ā →  
 Ā Ā Ā Ā Ā Ā Ā Ā ~ { æ ā ā ↔ ā æ  
 Ā Ā Ā Ā |  
 Ā Ā Ā Ā Ā Ā Ā Ā Ž ´ á æ ´ ← X æ ā ~ N ↑ ~ | ^ \ Ç á b b æ \ b D Ī  
 Ā Ā Ā Ā Ā Ā Ā Ā Ž ´ á æ ´ ← X æ ā ~ N ↑ ~ | ^ \ Ç b ā ā ā æ b D Ī  
 Ā Ā Ā Ā Ā Ā Ā Ā Ž ´ á æ ´ ← F æ b \ ā ↔ ´ \ æ ā Ç ´ á → æ ā D Ī  
 Ā Ā Ā Ā Ā Ā Ā Ā Ž ´ á æ ´ ← F æ b \ ā ↔ ´ \ æ ā Ç ā æ ´ æ ↔ { æ ā D Ī  
 Ā Ā Ā Ā Ā Ā Ā Ā Ž ´ á æ ´ ← F æ b \ ā ↔ ´ \ æ ā Ç ~ } ^ æ ā D Ī  
  
 Ā Ā Ā Ā Ā Ā Ā Ā b | \* æ ā Ē Ž } ↔ \ á ā ā á } Ç ´ á → æ ā Ē Ā ā æ ´ æ ↔ { æ ā Ē Ā ~ } ^ æ ā Ē Ā ā b b æ \ b Ē Ā b ā ā ā æ b D Ī  
 Ā Ā Ā Ā Ā Ā Ā Ā Ž ´ á æ ´ ← R ↔ ^ U á ā ā æ b Ç D Ī Ā 1 1 " > B " c w f k v  
 Ā Ā Ā Ā C

Vjg"ko rcev"qh"vjku"xwnpgtcdknkv{"ku"vjcv"cp"cvvcemgt"ecp"rgt o cpgpvn{"rtgxgpv"vjg  
ncuv"wugt"htq o"ykvj ftc ykp i"vjgkt"hw pfu"d{"htqpvtwppkpi"ykvj"u o cmm"fg rqukvu.  
ghhgev kxgn{"nqemkpi"vjg"xkev k o ùu"cuugvu"kp"vjg"xcwnv"ykvj"pq"equv"hqt"cp{"c o qwpv  
qh"vk o g"jg"y cpvu0

kp"qtfgt"vq"RqE"vjku"kuuwg."{qw"ctg"mkpfn{"tgswguvgf"vq"etgcvg"cpgy"1ng"kp  
 āā→~^~Ē~^~\āā´\bĒæ{↑Đ\æb\ "hqnfgt."pcog"kv" bŮUƐÀQáb\Ũ↔\āāāā}ā→Ē\Ēb~→}."cpf  
 rcuv"vjg"hqnnqykpi"uoc"tv"eqpvtcev"kpukfg0"Vjgp"twp" ā~ā&æĀ\æb\ĀĒĒ↑\  
 \æb\Ɛ~UQáb\Ũ↔\āāāā}ā→ĀĒ{ "vq"tgrnkecv"vjg"uegpctkq<

11"URFZ/Nkegpug/Kfgpvkhkgt<"OKV

rtcioc"uqnkfkv{ÁLK20:04:İ

↔↑\*~ã\Á|R~´←ÓÞOG€CĤăă~↑ĤĂĖĐ↑~´←bĐR~´←ÓÞOG€Ėb~→Ĥİ  
↔↑\*~ã\Á|U↔&Ů\↔↔bcĤăă~↑ĤĂĖĐ|\↔↔bĐU↔&Ů\↔↔bĖb~→Ĥİ  
↔↑\*~ã\Á|O→áb↔↔R↔↔\æăŮFcĤăă~↑ĤĂbă´ĐO→áb↔↔R↔↔\æăŮFĖb~→Ĥİ  
↔↑\*~ã\Á|U\á←æăŮUĞăă~↑ĤĂbă´ĐU\á←æăŮUĞăĖb~→Ĥİ

↔↑\*~ã\Á|U\á↔↔^&Þæ}ăăăbĞ↔b\ă↔ă|\~ăcĤăă~↑ĤĂbă´ĐU\á↔↔^&Þæ}ăăăbĞ↔b\ă↔ă|\~ăĖb~→Ĥİ  
↔↑\*~ã\Á|ŮUĞăcĤăă~↑ĤĂbă´ĐŮUĞăĖb~→Ĥİ  
↔↑\*~ã\Á|ŮUĞăU↔↔~cĤăă~↑ĤĂbă´ĐŮUĞăU↔↔~Ėb~→Ĥİ  
↔↑\*~ã\Á|ØU\á←æăŮUĞăcĤăă~↑ĤĂbă´Đ↔↔\æăăă´æbĐØU\á←æăŮUĞăĖb~→Ĥİ

↔↑\*~ã\Á  
ĤĤĤ|Ůăă^b\*ăăæ^Ů\*&ăăăăă→æŞă~[|cĤăă~↑ĤĂM~\*æ^~æ\*~æ↔↔^Đ´~^\\ăă´\bĐ\*ă~[|Đ\ăă^b\*ăăæ^ĐŮăă^b  
↔↑\*~ã\Á|ØÓÞOG€CĤăă~↑ĤĂM~\*æ^~æ\*~æ↔↔^Đ´~^\\ăă´\bĐ\~←æ^ĐÓÞOG€ĐØÓÞOG€Ėb~→Ĥİ  
↔↑\*~ã\Á|Ůăb\ĖĤ´~^b~→æGcĤăă~↑ĤĂă~ăăĖb\ăĐŮăb\Ėb~→Ĥİ

eqpvtcevĤuWUFhNcuvYkvjftcyenĤ↔bĤŮăb\Á|

ĤĤĤĤ11"Uvcvg"xctkcdngu

ĤĤĤĤŮUĞăĤ\*|ă↔↔´Ĥ|băăİ

ĤĤĤĤU\á←æăŮUĞăĤ\*|ă↔↔´Ĥb\á←æăŮbăăİ

ĤĤĤĤO→áb↔↔R↔↔\æăŮFĤ\*|ă↔↔´Ĥ↑↔↔\æăİ

ĤĤĤĤŮUĞăU↔↔~Ĥ\*|ă↔↔´Ĥb↔↔~İ

ĤĤĤĤU\á↔↔^&Þæ}ăăăbĞ↔b\ă↔ă|\~ăĤ\*|ă↔↔´Ĥă↔b\ă↔ă|\~ăİ

ĤĤĤĤR~´←ÓÞOG€Ĥ\*|ă↔↔´Ĥ\~←æ^İ

ĤĤĤĤ11"Vguv"ceeqwpvu

ĤĤĤĤăăăăăbbĤkpvgtpcn"ăă↑↔↔İ

ĤĤĤĤăăăăăbbĤkpvgtpcn"~\*æăă\~ăİ

ĤĤĤĤăăăăăbbĤkpvgtpcn"\ăăáb|ă]İ

ĤĤĤĤăăăăăbbĤkpvgtpcn"|băăFİ

ĤĤĤĤăăăăăbbĤkpvgtpcn"ă\á´←æăİ

ĤĤĤĤăăăăăbbĤkpvgtpcn"ăă´←æ^ăU↔&^æăİ

ĤĤĤĤ|↔↔\GINĤkpvgtpcn"ăă´←æ^ăŞă↔{ă\æÞæ]İ

ĤĤĤĤ11"Eqpvcvpu

ĤĤĤĤĤ]\æbĞĤĤrdwnke"´~^b\á^ĤRØŞŮÓÞŽÞŞQÓĤKĤ←æ´ă←GINÇĤRØŞŮÓÞŽÞŞQÓĤDİ

ĤĤĤĤĤ]\æbĞĤĤrdwnke"´~^b\á^ĤÞÓŮNÞĞÓÞŽÞŞQÓĤKĤ←æ´ă←GINÇĤÞÓŮNÞĞÓÞŽÞŞQÓĤDİ

ĤĤĤĤĤ]\æbĞĤĤrdwnke"´~^b\á^ĤŞŞÓÞNŮŞÞŽÞŞQÓĤKĤ←æ´ă←GINÇĤŞŞÓÞNŮŞÞŽÞŞQÓĤDİ

ĤĤĤĤ11"UkiWvknu

ĤĤĤĤU↔&Ů\↔↔bĤ↔↔\æă^ă→Ĥb↔&Ů\↔↔bİ

ĤĤĤĤĤ]\æbĞĤĤkpvgtpcn"´→áb↔↔R↔↔\æăĞ~↑ă↔^Uæ\*ăăă\~ăİ

ĤĤĤĤĤà|´^↔↔~^Ĥbă\Ů\*ÇĐĤ\*|ă↔↔´Ĥ|

ĤĤĤĤĤĤĤĤ11"Ugvwr"vguv"ceeqwpvu

ĤĤĤĤĤĤĤĤăă↑↔^ĤKĤ↑ă←æNăăăÇĤăă↑↔^ĤDİ

ĤĤĤĤĤĤĤĤ~\*æăă\~ăĤKĤ↑ă←æNăăăÇĤ~\*æăă\~ăĤDİ

ĤĤĤĤĤĤĤĤ\ăăáb|ă]ĤKĤ↑ă←æNăăăÇĤ\ăăáb|ă]ĤDİ

ĤĤĤĤĤĤĤĤ|băăFĤKĤ↑ă←æNăăăÇĤ|băăFĤDİ

ĤĤĤĤĤĤĤĤă\á´←æăĤKĤ↑ă←æNăăăÇĤă\á´←æăĤDİ

ĤĤĤĤĤĤĤĤăă´←æ^ăŞă↔{ă\æÞæ]ĤKĤ€[FGĤHİ

ĤĤĤĤĤĤĤĤăă´←æ^ăU↔&^æăĤKĤ{↑ĖăăăăÇăă´←æ^ăŞă↔{ă\æÞæ]Dİ

ĤĤĤĤĤĤĤĤ{↑Ėb\ăă\Şăă^←Çăă↑↔^Dİ

ĤĤĤĤĤĤĤĤ11"Fgrnq{"korgogpvcvkqpu

ĤĤĤĤĤĤĤĤŮUĞăĤ|băăØ↑\*→ĤKĤ^æ}ĤŮUĞăÇĐİ

ĤĤĤĤĤĤĤĤU\á←æăŮUĞăĤb\á←æăŮbăăØ↑\*→ĤKĤ^æ}ĤU\á←æăŮUĞăÇ\ăăáb|ă]Dİ

ĤĤĤĤĤĤĤĤ11"Kpkvkcnk/g"fcvc"hgt"rtqzkgu

ĤĤĤĤĤĤĤĤĤ]\æbĤĤ↑↔~ă]Ĥ|băăĞă\ăĤKĤăă↔Ėæ^´~ăăŮ↔\ăUæ→æ´\~ă

ĤĤĤĤĤĤĤĤĤÇŮUĞăĖ↔↔\↔↔ă↔~ăĖbæ→æ´\~ăĖĤăă↑↔^Dİ

ĤĤĤĤĤĤĤĤ11"Fgrnq{"WUFh"rtqz{

ĤĤĤĤĤĤĤĤŮăă^b\*ăăæ^Ů\*&ăăăăă→æŞă~[|Ĥ|băăŞă~[|ĤKĤ^æ}ĤŮăă^b\*ăăæ^Ů\*&ăăăăă→æŞă~[|

ÁÁÁÁÁÁÁÁÇáääæbbç|bääø↑\*→DÊÁää↑↔^ÊÁ|bääæá\ádÏ  
ÁÁÁÁÁÁÁÁ|bääÁKÁÛUæÇáääæbbç|bääšā~[ ]DDÏ

ÁÁÁÁÁÁÁÁb↔~ÁKÁ^æ}ÁÛUæàU↔~Çáääæbbç|bääDDÏ

ÁÁÁÁÁÁÁÁ11"Fgrnq{"ogem"vqmgp  
ÁÁÁÁÁÁÁÁ~←æ^ÁKÁ^æ}ÁR~´←ÓPÖG€ÇÁR~´←ÁÛ~←æ^ÁÊÁÄRÚPÄDÏ

ÁÁÁÁÁÁÁÁ11"Fgrnq{"UvcmgfWUFh"rtqz{  
ÁÁÁÁÁÁÁÁá]|\æbÁ↑æ↑~ä]Áb\á←æäÛbääæá\áÁKÁää↔Êæ^´~äæÛ↔\áUæ→æ´\~äÇ  
ÁÁÁÁÁÁÁÁÁÁÁÁU\á←æäÛUæàÊ↔^↔\↔á~↔~æÊbæ→æ´\~äÊ  
ÁÁÁÁÁÁÁÁÁÁÁÁ|bääÊ  
ÁÁÁÁÁÁÁÁÁÁÁÁää↑↔^Ê  
ÁÁÁÁÁÁÁÁÁÁÁÁb↔~Ê  
ÁÁÁÁÁÁÁÁÁÁÁÁFÁää]bÊÁ11"xguvkpi"rgtkqf  
ÁÁÁÁÁÁÁÁÁÁÁÁFÁää]bÁ11"2"eqqnfqyp"fwtcvkqp  
ÁÁÁÁÁÁÁÁDÏ  
ÁÁÁÁÁÁÁÁÛää^b\*áääæ^Û\*&ääæáâ→æšā~[ ]Áb\á←æäÛbääšā~[ ]ÁK  
ÁÁÁÁÁÁÁÁÁÁÁÁ^æ}ÁÛää^b\*áääæ^Û\*&ääæáâ→æšā~[ ]Çáääæbb  
ÁÁÁÁÁÁÁÁÁÁÁÁÁÇb\á←æäÛbääø↑\*→DÊÁää↑↔^ÊÁb\á←æäÛbääæá\ádÏ  
ÁÁÁÁÁÁÁÁb\á←æäÛbääÁKÁU\á←æäÛUæàÇáääæbbçb\á←æäÛbääšā~[ ]DDÏ

ÁÁÁÁÁÁÁÁ11"Fgrnq{"UvcmkpiTgyctfuFkuvtkdwvqt  
ÁÁÁÁÁÁÁÁä↔b\ä↔â|~äÁKÁ^æ}ÁU\á↔^&Pæ}äääbæ↔b\ä↔â|~äÇb\á←æäÛbääÊÁøÓPÖG€Çáääæbb  
ÁÁÁÁÁÁÁÁÁÇ|bääDDÊÁää↑↔^ÊÁ~\*ääá\~ädÏ

ÁÁÁÁÁÁÁÁ11"Fgrnq{"okpvg"ykvj"vtgcuwt{"cu"hgg"tgekrkgpv  
ÁÁÁÁÁÁÁÁ↑↔^|\æäÁKÁ^æ}ÁO→áb↔~´R↔^|\æäÛFÇää↑↔^ÊÁääæbb  
ÁÁÁÁÁÁÁÁÁÇ|bääDÊÁ\äæáb|ä]ÊÁää´←æ^äU↔&^æäDÏ

ÁÁÁÁÁÁÁÁ11"Ugvwr"dcuke"tqngu  
ÁÁÁÁÁÁÁÁ|bääÊ&ää^|P~→æÇRØSÚÓPŽPŠQÓÊÁää↑↔^DÏ  
ÁÁÁÁÁÁÁÁ|bääÊ&ää^|P~→æÇRØSÚÓPŽPŠQÓÊÁääæbbç↑↔^|\æäDDÏ

ÁÁÁÁÁÁÁÁ11"Itcpv"TGyCTFGTaTQNG"vq"fkuvtkdwvqt  
ÁÁÁÁÁÁÁÁb\á←æäÛbääÊ&ää^|P~→æÇPóÛNþGÓPŽPŠQÓÊÁääæbbçä↔b\ä↔â|~äDDÏ

ÁÁÁÁÁÁÁÁb\á←æäÛbääÊbæ\O~→ä~}^æ|ää\↔~^Ç€DÏÁ11"PQ"EQQNFQYP0

ÁÁÁÁÁÁÁÁ11"Okpv"bwugt3b"cpf"bcvvcmgtb"uqog"WUFh0  
ÁÁÁÁÁÁÁÁ|bääÊ↑↔^|\Çáääæbbçä↔b\ä↔â|~äDÊÁF€€€€FÎDÏ  
ÁÁÁÁÁÁÁÁ|bääÊ↑↔^|\Çáääæbbçá\|á´←æäDÊÁG€€€€FÎDÏ  
ÁÁÁÁÁÁÁÁ|bääÊ↑↔^|\Çáääæbbç|bæäFDÊÁG€€€€FÎDÏ

ÁÁÁÁÁÁÁÁ{↑Êb\~\*šää^←ÇDÏ  
ÁÁÁÁc

ÁÁÁÁÀ|´^|\↔~^Á|\æb\€-UQáb\Û↔\ääää}á→ÇDÁ\*|â~↔~´Á|  
ÁÁÁÁÁÁÁÁ11"Wugt3"Fgrqukvu"kpvg"uvcmkpi"eqpvtcev0  
ÁÁÁÁÁÁÁÁ{↑Êb\áä\šää^←Ç|bæäFDÏ  
ÁÁÁÁÁÁÁÁ|bääÊá\*~{æÇáääæbbçb\á←æäÛbääDÊÁF€€€€FÎDÏ  
ÁÁÁÁÁÁÁÁ~^b~→æGÈ~&ÇÄÛbæäFÁää\*~b↔\bÁF€€€€FÎÁÛUæàÊÄDÏ  
ÁÁÁÁÁÁÁÁb\á←æäÛbääÊäæ\*~b↔\ÇF€€€€FÎÊÁ|bæäFDÏ  
ÁÁÁÁÁÁÁÁ{↑Êb\~\*šää^←ÇDÏ

ÁÁÁÁÁÁÁÁ11"Cv"vjku"rqkpv"yg"ecp"cuuwog"vjcv"vkogu"rcuugu"cpf"qpn{"qpg"fgrqukvqt"  
ÁÁÁÁÁÁÁÁ11"jcu"tgockpgf"qp"vjg"xcwnv."vjg"ncuv"wugt"yjq"vtkgu"vq"ykvjftcy"hwnn{"qvw"qh  
ÁÁÁÁÁÁÁÁ11"Cvvcmgt"jcu"uggp"vjg"vz"qh"wugt3"cpf"yknn"FqUgf"kv"ykvj"pq"equiv0

ÁÁÁÁÁÁÁÁ~^b~→æGÈ~&  
ÁÁÁÁÁÁÁÁÇÄÛbæäFÁb|á↑↔\bÁ\ää^bá´\↔~^Á\~Á}↔\ääää}Áà|→]Á~|Á~ää\áæ{á|→\Á~}ÊÄDÏ

ÁÁÁÁÁÁÁÁ11"Jgtg."cvvcmgt"htqpvtwpu"wugt3)u"hwnn"ykvjftcycn"d{"fgrqukvkpi"lwuv"  
ÁÁÁÁÁÁÁÁ11"gpqwij"uq"bOkpUjctguXkqncvkvqb"gttqt"vq"dg"vtkiigtgf0  
ÁÁÁÁÁÁÁÁ{↑Êb\áä\šää^←Çá\|á´←æäDÏ  
ÁÁÁÁÁÁÁÁ~^b~→æGÈ~&ÇÄN\|á´←æääää~^|ä|~bÁä↔↑Áá^äääæ\*~b↔\Á€EÍæFÎÁÛUæàÊÄDÏ  
ÁÁÁÁÁÁÁÁ|bääÊá\*~{æÇáääæbbçb\á←æäÛbääDÊÁ€EÍæFÎDÏ  
ÁÁÁÁÁÁÁÁb\á←æäÛbääÊäæ\*~b↔\Ç€EÍæFÎÊÁ\|á´←æäDÏ

ÁÁÁÁÁÁÁ{↑Èb\~\*Şăă^←ÇDİ

ÁÁÁÁÁÁÁ11"Wugt3"ku"vjg"ncuv"ykvjftcygt"cpf"ycpvu"vq"ykvjftcy"hwnn{"dwv"jku"  
ÁÁÁÁÁÁÁ11"ykvjftcy"yknn"tgxgtv0

ÁÁÁÁÁÁÁ{↑Èb\áã\şăă^←Ç|bæãFDİ

ÁÁÁÁÁÁÁ{↔^GIUá→UááãæbÁKÁb\á←æäÛbääÈâá→á^'æŞàÇ|bæãFDİ

ÁÁÁÁÁÁÁ~^b~→æGE→~&

ÁÁÁÁÁÁÁÇÄÛbæãFÄ}↔\ääää}á→Ä↔bÄää{æã\↔&Ää|æÄ\~ÄaR↔^UááãæbÛ↔→á\↔~^aÄæää~ãÈÄDİ

ÁÁÁÁÁÁÁ{↑Èæ[\*æ'\pæ{æã\ÇDİ

ÁÁÁÁÁÁÁb\á←æäÛbääÈääææ↑Çá→UááãæbÁÊ|bæãFÊÄ|bæãFDİ

ÁÁÁÁÁÁÁ{↑Èb\~\*Şăă^←ÇDİ

ÁÁÁÁÁÁÁ11"Cvvcemgt"dcemtwpu"vjg"vz"ykvj"jku"ykvjftcycn"cpf"cv"pq"equiv"."jg"jcu"  
ÁÁÁÁÁÁÁ11"ghhgevkkxgnn{"FqÜgf"vjg"ykvjftcy"qh"vjg"ncuv"fgrqukvgt"qh"vjg"xcwnv"ykvj"lwu

ÁÁÁÁÁÁÁ{↑Èb\áã\şăă^←Çá\á^←æãDİ

ÁÁÁÁÁÁÁ~^b~→æGE→~&

ÁÁÁÁÁÁÁÇÄN\á^←æää}↔\ääää}bÄ↔bÄ€ÈIæFîÄÛUÇàÄá^ääæääæ'\↔{æ→}ÄääbÄÇ~Uæää\ääÄ→áb\Ä}↔\

ÁÁÁÁÁÁÁb\á←æäÛbääÈ}↔\ääää}Ç€ÈIæFîÊÄá\á^←æääÊÄá\á^←æãDİ

ÁÁÁÁÁÁÁ{↑Èb\~\*Şăă^←ÇDİ

ÁÁÁÁÁÁÁ11"Vjg"tguwnv"ku"vjcv"vjg"ncuv"wugt)u"ykvjftcycn"qh"vjg"xcwnv"ecp"dg"

ÁÁÁÁÁÁÁ11"FqÜgf"hqt"gxgt"cpf"cv"pq"equiv0

ÁÁÁÁc

c

Tgeq o o gp fcvkqpu

Eqpukfgt"pqv"ejgemkpi"vjg"okpkow"u"jctgu"wrqp"ykvjftcy cnu0

]O/24\_"Ujctgu"ecppqv"dg"okpvgf"qp"c  
fgrqukv"cvvcem

Ugxgtkv{

Ko rcev<"Jki j

Nkmgnkjqqf<"Nqy

Fguetkrvkqp

Yjgp"wugtu"fgrqukv"WUFh"kpqv"vjg"uvcmgfWUFh"eqpvtcev."vjg{"igv"dcem"uWUFh0  
Vjg"ecnewncvkqp"hqnnqyu"GTE6848."cu"uq<

à|^'\↔~^ÄŽ'~^ {æä\Û~UááãæbÇÁÁÁÁ

ÁÁÁÁ|↔^GIUábbæ\bÊ

ÁÁÁÁRá\äÈË~|^ä↔^&ã~|^ä↔^&

ÁÁDÄ↔^æää^á→Ä{↔æ}Ä{↔ää|á→Äää|ää^bÁÇ|↔^GIU

ÁÁÁÁÁÁÁää\|ää^Áabbæ\bÊ↑|→Ç↔{Ç\~\á→U|\*\*→]ÇDÄÉÁF€ÁEEÄŽää^↔↑á→bŞääbæ\

ÁÁÁÁÁÁÁÁÇDÊÄ\~\á→Nbbæ\bÇDÄÊÄFÊÄää~|^ä↔^&Dİ

ÁÁÁÁc

Kh"vjg"wugt"fgrqukv"vjg"†tuv"322g3:"WUFh."jg"y knn"i gv"ābbæ\bĀĒĀ\~\ā→U|\*\*→]ÇDĒĀFĀDĀ\~\ā→Nbbæ\bÇDĀĒĒĀF"?"3g3:", "\*2-3+!"\*2-3+?"3g3:"ujctgu

Vjgtg"ku"c"RØSŽUØNÞÓUejgem"fwtkpi"fgrqukv"vq"gpuwtg"vjcv"vjg"ujctgu"ecppqv"dg dgnqy"3g3:0

à| ^' \↔~^ĀŽ' áæ'←R↔^UááãæbÇDĀ↔^ \æă^ā→Ā{↔æ}Ā|  
ĀĀĀĀĀĀĀ|↔^ \GIWĀb|\*\*→]ĀKĀ\~\ā→U|\*\*→]ÇDĪ  
LĀĀĀĀĀĀĀ↔ăĀÇb|\*\*→]ĀLĀĒĀBBĀb|\*\*→]ĀJĀRØSŽUØNÞÓUDĀ|  
ĀĀĀĀĀĀĀĀĀĀăæ{æă\ĀR↔^UááãæbŮ↔~→ă\↔~^ÇDĪ  
ĀĀĀĀĀĀĀĀc  
ĀĀĀĀc  
  
ĀĀĀĀā| ^' \↔~^ĀŽăæ\*~b↔\ÇĀĀĀĀĀĀ  
ĀĀĀĀĀĀĀăăăăæbb'ā→æăĒ  
ĀĀĀĀĀĀĀăăăăæbbăă'æ↔{æăĒ  
ĀĀĀĀĀĀ|↔^ \GIWĀbbæ\bĒ  
ĀĀĀĀĀĀ|↔^ \GIWbăăăăæb  
ĀĀĀĀDĀ↔^ \æă^ā→Ā~{æăă↔ăăĀ|  
ĀĀĀĀĀĀĀĀŽ' áæ'←Xæă~N†~|^ \Çábbæ\bDĪ  
ĀĀĀĀĀĀĀĀŽ' áæ'←Xæă~N†~|^ \ÇbăăăăæbDĪ  
ĀĀĀĀĀĀĀĀŽ' áæ'←Pæb\ă↔^ \æăÇ'ā→æăDĪ  
ĀĀĀĀĀĀĀĀŽ' áæ'←Pæb\ă↔^ \æăÇăă'æ↔{æăDĪ  
  
ĀĀĀĀĀĀĀĀb|\*ăăĒŽăæ\*~b↔\Ç'ā→æăĒĀăă'æ↔{æăĒĀábbæ\bĒĀăăăăæbDĪ  
ĀĀĀĀĀĀĀĀŽ' áæ'←R↔^UááãæbÇDĪ  
ĀĀĀĀc

Vjg"kuuwg"y kvj"vjku"ejgem"ku"vjcv"c"o cnkekqwu"wugt"ecp"fktgevn{"fgrqukv"3g3:  
WUFh"kpukfg"vjg"uvcmgfWUFh"eqpvtcev"dghqtg"cp{qpg"ecmnu"ăæ\*~b↔\ÇD}. o cmkpi  
\~\ā→Nbbæ\bÇDĀKĀFæFĪ"cpf"\~\ā→U|\*\*→]ÇDĀKĀĒ

Yjgp"vjg"ujctgu"ctg"ecnewncvgf."ābbæ\bĀĒĀ\~\ā→U|\*\*→]ÇDĀĒĒĀFĀD  
\~\ā→Nbbæ\bÇDĀĒĒĀF".3g3:", "3"1"\*3g3:"- "3+"?"3."cpf"gxgp"kh"o qtg"cuugvu"ctg  
fgrqukvgf"hqt"vjg"†tuv"vk o g."gi"3g42."vjg"ujctgu"tgvwtpgf"y knn"dg"nguu"vjcp"3g3:.  
y jkej"y knn"kpqxmg"vjg"Xæă~N†~|^ \"gttqt0

Vjg"vguv"dgnqy"fguetkdu"vjg"fktgev"fgrqukv"cvvcem."crrgpf"wpfgt"fgrqukv0v0uqn0

à | ^ ´ ~ ^ ¨ \ æ b \ G ž ä æ \* ~ b ⇔ \ Ç D Ä \* | â ⇨ ~ ´ Ä |  
Ä Ä Ä Ä Ä Ä Ä Ä 11 "Wugt" fgrqukvu "WUFh" fktgevn { "kpvq" v j g "uvcmgfWUFh" eqpvtcev . "tguwnvkpi"  
Ä Ä Ä Ä Ä Ä Ä Ä 11 "kp" \$ \ gt q Coqwpv \$ " kuuwg  
Ä Ä Ä Ä Ä Ä Ä Ä | ⇔ ^ \ Ä ↑ ⇔ ^ \ N ↑ ~ | ^ \ Ä K Ä F æ G I Î  
Ä Ä Ä Ä Ä Ä Ä Ä { ↑ È b \ á ä \ \$ ä á ^ ← Ç | bæ ä F D Î  
Ä Ä Ä Ä Ä Ä Ä Ä ä æ á → Ç Ä ä ä ä æ b b Ç | b ä à D È Ä | bæ ä F È Ä ↑ ⇔ ^ \ N ↑ ~ | ^ \ D Î  
Ä Ä Ä Ä Ä Ä Ä Ä | b ä à È á \* ~ ä ~ { æ Ç ä ä ä æ b b Ç b \ á ← æ ä Û U Ç à D È Ä ↑ ⇔ ^ \ N ↑ ~ | ^ \ D Î  
Ä Ä Ä Ä Ä Ä Ä Ä 11 "Fktgevn { " fgrqukv" 3g3 : "yqtvj" qh "WUFh" dghqtg" cp { "bfgrqukv \* + b" ku" ecnngf  
Ä Ä Ä Ä Ä Ä Ä Ä | b ä à È \ ä á ^ b ä æ ä Ç ä ä ä ä æ b b Ç b \ á ← æ ä Û U Ç à D È Ä F æ F Î D Î  
Ä Ä Ä Ä Ä Ä Ä Ä ´ ~ ^ b ~ → æ G È → ~ & Ç Ä Û U Ç Ô Ä Ñ N Q N S O Ó Ä ~ ä Ä | bæ ä I Ä È Ä | b ä à È ä á → á ^ ´ æ Š à Ç ä ä ä ä æ b b  
Ä Ä Ä Ä Ä Ä Ä Ä Ç b \ á ← æ ä Û U Ç à D D D Î  
Ä Ä Ä Ä Ä Ä Ä Ä ´ ~ ^ b ~ → æ G È → ~ & Ç Ä Û U Û Ç Ô Ä Ú Š Ú N Q U Û Š Š Q W Ä ~ ä Ä | bæ ä Ä È Ä b \ á ← æ ä Û U Ç à È \ ~ \ á → U | \* ~ → ] Ç D D Î  
Ä Ä Ä Ä Ä Ä Ä Ä 11 "Kh" v j ku" pwodgt " ku" ejcpigf " htqo" 3g3 : " / @ " 3g47 " . " cnn" yknn" hckn" dgecwug"  
Ä Ä Ä Ä Ä Ä Ä Ä 11 "qh" \$ O K P a U U C T G a X K Q N C V K Q P \$  
Ä Ä Ä Ä Ä Ä Ä Ä b \ á ← æ ä Û U Ç à È ä æ \* ~ b ⇔ \ Ç F æ F Î È Ä | bæ ä F D Î  
Ä Ä Ä Ä Ä Ä Ä Ä { ↑ È b \ ~ \* Š ä á ^ ← Ç D Î  
Ä Ä Ä Ä Ä Ä Ä Ä ´ ~ ^ b ~ → æ G È → ~ & Ç Ä Û U Ç Ô Ä Ñ N Q N S O Ó Ä Ú Š Ó N U Û Š W I Ä È Ä | b ä à È ä á → á ^ ´ æ Š à Ç ä ä ä ä æ b b  
Ä Ä Ä Ä Ä Ä Ä Ä Ç b \ á ← æ ä Û U Ç à È Ú Š Ó N U Û Š W Ç D D D D Î  
Ä Ä Ä Ä Ä Ä Ä Ä ´ ~ ^ b ~ → æ G È → ~ & Ç Ä Û U Ç Ô Ä Ñ N Q N S O Ó Ä ⇔ ^ \ á ^ ´ ~ ^ \ ä á ^ \ I Ä È Ä | b ä à È ä á → á ^ ´ æ Š à Ç ä ä ä ä æ b b  
Ä Ä Ä Ä Ä Ä Ä Ä Ç b \ á ← æ ä Û U Ç à D D D Î  
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tgfkuvtkdwvg"vjg"dwtpgf"uWUFh"ujctgu"wpvkn"3"fc{"ncvgt0"Cnuq."vjg"cfokp"ecppqv  
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y jkej"ku"cp"kuuwg"kh"vjg"cfokp"kpvgpfu"vq"dwtp"oqtg"vjcp"3"wugt)u"uWUFh"vqmgpu  
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**JN/24\_ "Kpeqt tgev" gxgpv" g o kuukqp**

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gokvvgf"gxgpn"ſ~b↔\↔~^O→~bæä"kpqttgevn{"cuuwogu"vjcv"↑b&Èbæ^äæä"ku"cnyc{u  
vjg"qypgt"qh"vjg"uvcmkpi"rqukvkqp."ngcfkpi"vq"cp"kpceewtcvg"gxgpn"gokuukqp  
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kp"vjg"gxgpv"g o kuukqp0

## JN/25\_"EqqnfqypGpf"rwujgf"nqpi gt"y jgp eqqnfqypCuugvu\*+"ku"ecnngf

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vjgkt"cuugvu0"Jqygxgt."kh"vjg"wugt"ecnnu"'~>ä~}^Nbbæ\b"ci ckp"dghqtg"vjg  
eqqnfqyp"rgtkqf"gzrktgu."cnn"rtgxkqwun{"eqqngf/fqyp"cuugvu"ctg"nqemgf"ci ckp  
hqt"c"pgy"eqqnfqyp"rgtkqf."tgugvkipi"'~>ä~}^Ö^ä"vq"â→~'←È\⇔↑æb\á↑\*" -  
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# JN/26\_"Nq y" f qmnc t" r tkeg" vqmgpu" ecp" pqv" dg wug f" cu" eqmncvgt cn" kp" EncuukeOkpvg tX3

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# JN/27\_"ecnngtHwpfgfOkpv\*+" f qgu"pqv" y qtm y kv j" hgg/qp/vtcpuhtg"vqmgpu

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ŮUᄁÀÁ\~←æ^Áá↑~|^\Á\~Á↑↔^ \ 0

## JN/28\_ "Tgultkevgf" wugtu"ecp"ecnn"vjg

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Kp"vjg" U\á←æäŮUᄁÀ ."kh"c"wugt"ku"tgultkevgf"chvgt"jg"jcu"ecmgf"vjg  
U\á←æäŮUᄁÀİİ´~→→ä~}^Nbbæ\b."jg"ku"cdng"vq"wpuvcmg"jku"tgyctfu"chvgt"vjg  
eqqnfqyp"rgtkqf"ku"qxgt"ukpeg"vjg" U\á←æäŮUᄁÀİİ| ^b\á←æ "fqgu"pqv"ejgem  
y jgvjgt"vjg" ↑b&Èbæ^äää "qt"vjg" ää´↔æ{ää "ku"tgultkevgf0

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ÁÁÁÁÁÁÁÁ |↔^GINÁábba\bÁKÁ| bæäO~→→ä~}^È|^äää→]↔^&N↑~|^\İ

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ÁÁÁÁc

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eqpvtcev."vjku"cnmqyu"vjg"o cnkekqkwu"wugt"vq"wpuvcmg"jku"hwpfu"gxgp"chvgt"jg"ku  
vci igf"cu" äæb\ä↔´ \æä 0

Jgpeg"tgeqoogpfgf"vq"ejgem"y jgvjgt"vjg" ↑b&Èbæ^äää "cpf" ää´↔æ{ää "ku  
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gkvjgt"qh"vjg"wugtu"ctg"kp"vjg"tguvtkevgf"uvcvg0

## JN/29\_"Ejcpikpi"**xguvkpiRgtkqf**"eqttwrvu **vqvcnCuugvu**"tgwtpgf"xcnwg

Vjg"U\á←æäÛUᄁàÈb~>"eqpvtcev"ku"c"GT E6848"xcwnv"hqt"uvcmkpi"WU Fh"vq"ceetwg  
{kgnf."ykvj"nkpget"xguvkpi"hqt"tgyctf"fgrqukvu0"vjg  
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kp"U\á←æäÛUᄁàÈb~>"vq"vtcpuhgt"vjg"tgyctf"cpf"wr fcvg"vjg"xguvkpi"coqwp0

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Kv"cnuq"eqwnf"ngcf"vq"dnqemkpi"o wnvkrng"hwpevkqpu"kp"U\á←æäÛUᄁàÈb~>"eqpvtcev  
g0i0"fgrqukv."okpv."ykvjftcy."tgfgg000"vjgug"hwpevkqpu"ykn"tgxgtv"ykv"rcpke  
ctkvjogvke"wpfgtEqy"qt"qxgtEqy0

Tgeqoogpfcvkqpu<

[qw"ecp"tgxgtv"kp"ecug"&æ\Û^{\æb\æäN↑~|^ᄁDÁLÁ€

à|^'\↔~^ÁŽbæ\Ûæb\↔^&Sæã↔~äᄁ|\↔^{\ĞÁ^æ}Sæã↔~äDÁ↔^æä^á→Á!  
ÁÁÁÁÁÁÁ|\↔^{\ĞÁ~→äÛæb\↔^&Sæã↔~äÁKÁ{\æb\↔^&Sæã↔~äİ  
ÁÁÁÁÁÁÁáæ@|↔äæᄁ^æ}Sæã↔~äÁJKÁRNvŽŮÓUÚØSÖŽŞÓPØŞĖĖÁᄁ|ää\↔~^Ó[´ææäbRá[ᄁDDİ  
ÁÁÁÁÁÁÁáæ@|↔äæᄁ~→äÛæb\↔^&Sæã↔~äÁKÁ^æ}Sæã↔~äĖÁᄁ|ää\↔~^S~\Oáá^&æäᄁDDİ  
ÁÁÁÁÁÁÁáæ@|↔äæᄁ^æ}Sæã↔~äÁLÁ€Á••Á'~→ä~}^ᄁ|ää\↔~^ÁLÁ€ĖÁÓ[\*æ'\æäO~→ä~}^Š^ᄁDDİÁ  
ĖÁÁÁÁÁÁáæ@|↔äæᄁ&æ\Û^{\æb\æäN↑~|^ᄁDÁKKÁ€ĖÁÓ[\*æ'\æäO~→ä~}^Š^ᄁDDİ

## JN/2:\_"Kpeqpukuvgpv"**wpuvcmg**"dgjcxkqt"chvgt eqqnfqyp"fwtcvkqp"tgfwevkqp

Vjg"U\á←æäÛUᄁà"eqpvtcev"cmnqyu"wugtu"vq"kpkvkcvg"c"eqqnfqyp"rgtkqf"hqt"vjgkt  
uvcmgf"cuugvu"\*gkvjgt"ujctgu"qt"wpfgtn{kp"cuugvu+"wukpi"vjg"´~→ä~}^Nbbæ\b"qt  
´~→ä~}^Uááäæb"hwpevkqpu0"Vjg"|^b\á←æ"hwpevkqp"ku"vjgp"wugf"vq"ykvjftcy"vjg

$$| \ ^b \backslash \acute{a} \leftarrow \text{æ}$$

ãæ|↔ãæÇdnqem0vkoguvcorÁLKÁ|bæã0~→ä~}^È´~→ä~}^Ó^äÊÁ0~→ä~}^S~\Ó^äæäÇDDÌ

$$\sim \sim \rightarrow \ddot{a} \sim \} ^{\acute{O}} ^{\ddot{a}} \acute{A} \backslash \Leftrightarrow \uparrow \text{æ} b \backslash \acute{a} \uparrow *$$

ŒÓÔNÛQÚŽNŒRØSŽƆŠQÓ

$$\{ \tilde{a} \sim \tilde{A} \sim \rightarrow \tilde{a} \sim \}^{\mathbb{E}} \mid \tilde{a} \tilde{a} \setminus \leftrightarrow \sim^{\wedge}$$
$$\tilde{a} \leftrightarrow \sim^{\tilde{A}} b \leftrightarrow b \tilde{\in} \tilde{A} \setminus \sim^{\tilde{A}} \tilde{A}$$

äæ@|↔äæÇdngem0vkoguvcorÄLKÄ|bæã0~~~ä~}^È'~~~ä~}^Ó^äÄ••ÄÇÄÄ  
 ÄÄdngem0vkoguvcorLK|bæã0~~~ä~}^È'~~~ä~}^Ó^ä••

Kh"eqqnfqypFwtcvkqp"ku"itgcvgt"vjcp"2."vjg"qtkikpcn"eqqnfqyp"ejgem  
\*dnqem0vkoguvco r"@?"wugtEqqnfqyp0eqqnfqypGpf+"ku"gphqteg f0"Kh  
eqqnfqypFwtcvkqp"ku"2."vjg"ykvjftcy cn"ku"cnmqygf"tgi ctfnguu"qh"vjg  
wugtEqqnfqyp0eqqnfqypGpf"xcnwg0

# JN/2;\_ "Rcwukp i "Uvcmkp i Tgy ct fuFkuvtkdwwqt r t g x g p v u " t g y c t f " f k u v t k d w v k q p

V j g " U \ á \ ↔ \ ^ \ & \ P æ \} á ä ä b \ ↔ \ b \ á \ ↔ \ â \ | \ ~ \ ä " eqpvtcev " j c u " c " \* \ á \ | \ b æ \ Ç \ D " hwpevkqp . " ecnmcdng " d {  
v j g " Š N Ů U Ó Ě Ž Ě Š Q Ó . " y j k e j " j c n v u " v j g " hwpevkqp c n k v { " q h " v j g " \ ä \ á \ ^ \ b \ ä \ æ \ ä \ Ø \ ^ \ P æ \} á ä ä b  
hwpevkqp 0 " V j g " \ ä \ á \ ^ \ b \ ä \ æ \ ä \ Ø \ ^ \ P æ \} á ä ä b " hwpevkqp " k p " U \ á \ ↔ \ ^ \ & \ P æ \} á ä ä b \ ↔ \ b \ á \ ↔ \ â \ | \ ~ \ ä " k u  
t g u r q p u k d n g " h q t " v t c p u h g t t k p i " t g y c t f u " \* W U F h + " v q " v j g " U \ á \ ↔ \ æ \ ä \ Ů \ U \ Ç \ ä " eqpvtcev 0 " V j g  
U \ á \ ↔ \ æ \ ä \ Ů \ U \ Ç \ ä " eqpvtcev " u " \ ä \ á \ ^ \ b \ ä \ æ \ ä \ Ø \ ^ \ P æ \} á ä ä b " hwpevkqp . " k p " v w t p . " w r f c v g u " v j g  
k p v g t p c n " c e e q w p v k p i " v q " f k u v t k d w v g " v j q u g " t g y c t f u " v q " u v c m g t u 0

ä | ^ \ \ ↔ \ ^ \ Ä \ ä \ á \ ^ \ b \ ä \ æ \ ä \ Ø \ ^ \ P æ \} á ä ä b  
Ä Ä Ä Ä Ä Ä Ç | \ ↔ \ ^ \ G I W Ä Ž ä æ \} á ä ä b N \ ~ \ | \ ^ \ D \ Ä \ æ \ | \ \ ä \ á \ ^ \ Ä \} ä æ \ S \ ~ \ Š \ á \ | \ b \ ä \ ä \ ~ \ ^ \ ~ \} P \ ~ \ ~ \ æ \ Ç \ Š \ Š \ Ó \ P \ N \ Ů \ Š \ Ě \ Ž \ Ě \ Š \ Q \ Ó \ D \ Ä \ |  
Ä Ä Ä Ä Ä Ä Ä Ä Ů U \ Ç \ Ö \ Ž \ Ů \ Š \ P \ Ó \ Š \ Ä \ \* \ \* \ ä \ ~ \ { \ æ \ Ç \ ä \ ä \ ä \ ä \ æ \ b \ b \ Ç \ U \ N \ P \ Ø \ S \ Ö \ Ž \ Ů \ N \ Ů \ Q \ Ů \ D \ Ê \ Ä \ Ž \ ä \ æ \} á ä ä b N \ ~ \ | \ ^ \ D \ I  
Ä Ä Ä Ä Ä Ä Ä Ä Ů U \ N \ P \ Ø \ S \ Ö \ Ž \ Ů \ N \ Ů \ Q \ Ů \ Ê \ \ ä \ á \ ^ \ b \ ä \ æ \ ä \ Ø \ ^ \ P æ \} á ä ä b \ Ç \ Ž \ ä \ æ \} á ä ä b N \ ~ \ | \ ^ \ D \ I  
Ä Ä Ä Ä Ä Ç

Kh " v j g " U \ á \ ↔ \ ^ \ & \ P æ \} á ä ä b \ ↔ \ b \ á \ ↔ \ â \ | \ ~ \ ä " k u " r c w u g f . " v j g " \ ä \ á \ ^ \ b \ ä \ æ \ ä \ Ø \ ^ \ P æ \} á ä ä b " hwpevkqp  
ecppqv " d g " e c m g f . " c p f " v j g t g h q t g " p q " p g y " t g y c t f u " e c p " d g " u g p v " v q " v j g " U \ á \ ↔ \ æ \ ä \ Ů \ U \ Ç \ ä  
eqpvtcev 0 " J q y g x g t . " w u g t u " e c p " u v k n n " f g r q u k v " W U F h " k p v q " v j g " U \ á \ ↔ \ æ \ ä \ Ů \ U \ Ç \ ä " eqpvtcev  
g x g p " y j g p " v j g " U \ á \ ↔ \ ^ \ & \ P æ \} á ä ä b \ ↔ \ b \ á \ ↔ \ â \ | \ ~ \ ä " k u " r c w u g f 0

V j k u " e t g c v g u " c " u k v w c v k q p " y j g t g " w u g t u " f g r q u k v " v j g k t " W U F h . " g z r g e v k p i " v q " g c t p  
u v c m k p i " t g y c t f u . " d w v " t g e g k x g " p q " t g y c t f u " d g e c w u g " v j g " f k u v t k d w v k q p " o g e j c p k u o " k u  
r c w u g f 0 " V j g k t " h w p f u " c t g " g h h g e v k x g n { " n q e m g f " k p " v j g " U \ á \ ↔ \ æ \ ä \ Ů \ U \ Ç \ ä " eqpvtcev " \* u w d l g e v  
v q " v j g " e q q n f q y p " r g t k q f " k h " g p c d n g f + " y k v j q w v " c e e t w k p i " c p { " q h " v j g " k p v g p f g f  
d g p g f v u 0 " V j k u " k u " w p h c k t " v q " w u g t u " c p f " t g r t g u g p v u " c " n q u u " q h " q r r q t v w p k v { " e q u v 0 " V j g  
w u g t u " c t g " y q t u g " q h h " v j c p " k h " v j g { " j c f " u k o r n { " j g n f " v j g k t " W U F h . " q t " w u g f " k v " k p " q v j g t  
F g H k " r t q v q e q n u 0

V j k u " c h h g e v u " v j g " w u g t u " y j q o " j c x g " c n t g c f { " f g r q u k v g f " b Ů U \ Ç \ ä " k p v q " v j g " eqpvtcev " c u  
y g n n 0 " V j g k t " h w p f u " y k n n " d g " n q e m g f " v k n n " v j g " ' \ ~ \ ~ \ ~ \ ä \ ~ \} ^ \ Ç \ | \ ä \ á \ \ \ ↔ \ ^ \ " k u " q x g t " g x g p " v j q w i j  
v j g { " f q " p q v " c e e t w g " c p { " t g y c t f u 0

V j g " e q t g " k u u w g " k u " v j g " n c e m " q h " u { p e j t q p k | c v k q p " d g v y g g p " v j g " f g r q u k v " hwpevkqp c n k v {  
q h " U \ á \ ↔ \ æ \ ä \ Ů \ U \ Ç \ ä " c p f " v j g " t g y c t f " f k u v t k d w v k q p " o g e j c p k u o " q h  
U \ á \ ↔ \ ^ \ & \ P æ \} á ä ä b \ ↔ \ b \ á \ ↔ \ â \ | \ ~ \ ä 0 " F g r q u k v u " c t g " c n y c { u " c m q y g f . " d w v " t g y c t f  
f k u v t k d w v k q p " e c p " d g " w p k n c v g t c m n { " r c w u g f 0

C " u k o k n c t " k u u w g " k u " h q w p f " k p " v j g " Ö \ á \ ~ \ ^ \ Š \ ~ \ b \ \ \ ↔ \ ^ \ ~ \ i \ i \} \ ↔ \ \ ä \ ä \ ä \} " hwpevkqp " u k p e g " k h " v j g  
ä \ | \ ä \ á \ \ \ ↔ \ ^ \ Ä \ \ b \ Ä \ ^ \ ~ \ \ Ä \ b \ | \ \* \ \* \ ~ \ ä \ \ æ \ ä " c h v g t " w u g t " j c x g " o k p v g f " k p v q " v j c v " ä \ | \ ä \ á \ \ \ ↔ \ ^ \ " j g " k u  
w p c d n g " v q " y k v j f t c y " v k n n " v j g " ↑ \ á \ | \ ä \ æ \ Ů \ \ ↔ \ ^ \ æ \ b \ \ á \ ↑ \ \* \ Ä \ \ b \ Ä \ ä \ ä \ ' \ ä \ ä " g x g p " v j q w i j " v j g

äæ\*~b↔\þæ}áääb"ecp"pqv"dg"ecnngf"fwtkpi"vjcv"rgtkqf"vq"ceetwg"tgyctfu"qp"vjg  
uvcmgto"Jgpeg"vjku"etgcvgu"qrrqtvwpkv{"equv"hqt"vjg"ôá→´~^š~b↔\~↔^Ǻ↑↔^æääb  
ukpeg"vjg{"ctg"nqemkpi"vjgkt"hwpfu"kp"vjg"eqpvtcev"ykvjqwvcp{"tgyctfu"kp"tgwtp  
hqt"vjcv"urgekǵe"fwtcvkqp0

Tgeqo o gpfcvkqpu<

Vjgtg"ctg"ugxgtcn"rquukdng"cr rtqcejgu"vq" o kvkicvg"vjku"kuuwg<

30" **Rcwug"Fgrqukvu"kp"**UvcmgfWUFh<"Vjg"o quv"fktgev"uqnwvkqp"ku"vq"cnuq"rcwug  
fgrqukvu"kp"vjg"U\á←æäÛUǼà"eqpvtcev"y jgp"vjg  
U\á↔↔^&þæ}áääb↔b\ǻ↔â | \~ǻ"ku"rcwugf0

40" **Kphqt o "Wugtu<"Kh"rcwukpi"fg rqukvu"ku"pqv"fguktgf."c"engct"yctpkpi"ujqwnf**  
dg"fku rnc{gf"kp"vjg"wugt"kpvgthceg"\*cpf"fqew o gpvcvkqp+"y jgpgxgt"vjg  
U\á↔↔^&þæ}áääb↔b\ǻ↔â | \~ǻ"ku"rcwugf."kphqt o kpi"wugtu"vjcv"vjg{"y knn"pqv  
tgegkxg"tgyctfu"fwtkpi"vjku"rgtkqf0

## JN/32\_"Tguvtkevgf"wugtu"ecp"d{rcuu"cuugv eqpǵuecvkqp"xkc"vtcpuhgtu

Vjg"U\á←æäÛUǼà"eqpvtcev"ko rng o gpvu"c"tguvtkevqp"o ge jcpku o "\*"↔bþæb\ǻ↔´\æä  
ocr rkp i+"kpvgpfgf"vq"rtgxgpv"egtvc kp"ceeqwpvu"htq o "kpvgtcev kpi"ykvj"vjg  
eqpvtcev"kp"urgekǵe"yc{u0"Vjg"ǻæä↔b\ǻ↔â | \æQ~´←æäN↑~ | ^\ "hwpevkqp"ku"fgukipgf  
vq"eqpǵuecvg"\*gkvjgt"d{"dwtpkpi"qt"vtcpuhgttkpi"vq"vjg"vtgcuwt{+"vjg"uWUFh  
dcncpeg"qh"c"tguvtkevgf"ceeqwpv0"Vjku"hwpevkqp"ku"kpvgpfgf"vq"dg"ecnngf"d{"vjg  
ǼÓÔNÛQÚŽNǼRØSŽþŠQÓ0



[illegible]

J q y g x g t . " v j g " Ů\á←æäÛÜæä " e q p v t c e v " *f q g u " p q v "* r t g x g p v " t g u v t k e v g f " w u g t u " h t q o  
v t c p u h g t t k p i " v j g k t " u W U F h " v q m g p u " v q " q v j g t " c e e q w p v u 0 " V j g " Ž\ää^bâæä " h w p e v k q p " k p  
ÓĤOG€Ů\* &ääääää→æ " \* y j k e j " Ů\á←æäÛÜæä " k p j g t k v u + " q p n { " e j g e m u " k h " v j g " ää~↑ " c p f  
\~ " c f f t g u u g u " c t g " v j g " | g t q " c f f t g u u " c p f " k h " v j g " u g p f g t " j c u " u w h t e k g p v " d c n c p e g 0 " K v  
f q g u " p q v " e j g e m " v j g " ↔bĤæb\ã↔´\æä " u v c v w u 0

Vjku"o gcpu"ctgugtkevgf"wugt"ecp"uk o rn{"vtcpuhgt"vjgkt"uWUFh"vqmgpu"vq"c"pqp/  
tgugtkevgf"ceeqwppv"*dghqtg*"vjg" ãæä↔b\ã↔â | \æQ~´←æäN↑~ | ^\"hwpevkqp"ku"ecmgf"d{  
vjg"cf o kp0"Vjku"ghhgevkggn{"d{ rcuugu"vjg"tgugtkevkqp"cpf"cnngy u"vjg"wugt"vq  
tgvckp"eqpvtqn"qh"vjgkt"cuugvu."fghgcvkpi"vjg"rwtrqug"qh"vjg  
ãæä↔b\ã↔â | \æQ~´←æäN↑~ | ^\"ogejcpku o 0

Vjg"ŮŮĚà"eqpvtecv"fqgu"jcxg"c"uk o knct"tguvtkevkqp" o ge j cpku o ."cpf"fqgu  
rtgxgvp"vtcpuhgtu"\*xkc"vjg"ŮŮĚàĭĭŽ|\*ăă\æ"hwpevkqp+"kh"gkvjgt"vjg"ugpfgt"qt  
tgegkxgt"ku"tguvtkevgf0"Vjku"kpeqpukuvgpe{"dgv yggp"ŮŮĚà"cpf"Ů\ă←æăŮŮĚà"ku"c  
o clqt"uqwteg"qh"vjg"rtqdn go 0

Vjg"o quv"ghhgev kxg"uqnwvkqp"ku"vq"rtgxgpn"tguvtkevgf"wugtu"htq o "vtcpuhgttkpi"vjgkt  
uWUFh"vqmgpu0"Vjku"ecp"dg"cejkgxgf"d{"qxgttkfkpi"vjg" \ää^bää"cpf  
 \ää^bääôä~↑"hwpevkqpu"kp" U|á←æäÛUæä"vq"kpenwfg"c"ejgem"hqt"vjg  
 ↔bƆæb\ä↔´\æä"uvcvwu"qh"dqvj"vjg" ää~↑"cpf" ~"cfftguugu."uk o knct"vq"jqy"kv)u  
fqpg"kp" ÛUæäÈb~→0