

I c e j c " U g e w t k v { " T g x k g y

R c u j q x " C w f k v " I t q w r

Eqpfwevgf"d{<"rkmgp."Wfugp." \gtqVtwuv23."Fcp"Qiwtvuqx

Lcpwct{"49vj"4247"/"Lcpwct{"4;vj"4247

Eqpvgpvu

30"Cdqwv"Rcu j qx"Cwfkv" I tqwr	2
40"Fkuenck o gt	2
50"Kpvtqfwvkqp	2
60"Cdqwv" I ce jc	2
70"Tkum"Encuuk f ecvkqp	3
7030"Ko rcev	3
7040"Nkmgnkjqqf	3
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"Etkvkecn"Hkpfkpiu	7
]E/23_"Kpeqttgev"tgugtxg"qtfgt"kp"au y cr*+	7
:040"Jki j"Hkpfkpiu	9
]J/23_"au y cr*+"ku"xwnpgtcdng"vq"ucpf y ke j"cvvcemu	9
:050"Ogfkwo"Hkpfkpiu	11
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xcnwg	
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y qtm	
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tcvkq"ugngev kqp	
]N/26_"Vjg"tgfwpfcpv"ecnn"vq	15
rqqn0qf fuDRU0kpf gzQh*tcvkq+	
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]N/28_"Ncem"qh"tghgttcn"hgg"vtcemkpi	17
]N/29_"Tgfwekpi"rtqvqeqn"hgg"y jgp"rwtejcukpi"vkemgvu	19
]N/2:_ "Vjg"rc{ o gpvVqmgp"uj qwnf"qp n{"dg"cnmq y gf"vq"dg	
ugv"qpeg	

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

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"cdunwvg"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"Ej gem"qwt"rtgxkqwu" y qtm" jgtg"qt"tgcej"qww"qp"Vy kvvgt" B rcu j qxmtw o0

40"Fkuenck o gt

C"u o ctv"eqpvtcev"ugewtkv{"tgxkgy"ecp"pgxgt"xgtkh{"vj g"eq o rngvg"cdugpeg"qh
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ł pf"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" ł pf"cp{"rtqdng o u"y kvj" { qwt"u o ctv"eqpvtcevu0
Uwdugswgpv"ugewtkv{"tgxkgy u."dw i"dqwpv{"rtqi tc o u"cpf"qp/ej ckp" o qpkvqtkpi"ctg
uvtqpin{"tgeq o o gpfgf0

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C"vk o g/dqzgf"ugewtkv{"tgxkgy"qh"vj g"unggmeqtgli ce j c"tgrqukvqt{"y cu"fqpqg"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" I ce j c

I ce j c"ku" c" i c o g" y kvj" rwte j cukpi"cpf"enck o kpi"tcpfq o k| gf"tgy ct fu"wukpi"cp
qpej ckp"vkemgkpi"u{uv g o." y jgtg"wugtu"dw{"vkemgvu."cpf"y kppgtu"ctg"f g vgt o kpgf
vj tqwi j"cp"gpvtqr{/dcugf" o ge j cpku o 0"Kv"kpvg i tcvgu"Wpku y cr"hqt"vqmgp"u y cru.
uwr rqtvu"tghgttcn"tgy ct fu."cpf"gzgewvgu"cwvq o cvgf"rc{qww"ecnewncvkqpu"cpf"enck o
xcnkfcvkqpu0

70"Tkum"Encuukłecvkqp

Ugxgtkv{	K o rcev<"Jki j	K o rcev<"Ogfkwo	K o rcev<"Nqy
Nkmgнкjqqf<"Jki j	Etkvkecn	Jki j	Ogfkwo
Nkmgнкjqqf<"Ogfkwo	Jki j	Ogfkwo	Nqy
Nkmgнкjqqf<"Nqy	Ogfkwo	Nqy	Nqy

7030"K o rcev

- Jki j"/"ngcfu"vq"с"ukіpkłecpv" o cvgtkcн"nquu"qh"cuugvu"kp"vjg"rtqvqeqn"qt"ukіpkłecpvн{ jctou"с"itqwr"qh"wugtu0
- Ogfkwo"/"qpн{ "с"u o cнn"с o qwpv"qh"hwpfu"ecp"dg"nquv"*uwej"cu"ngcmc i g"qh"xcnwg+"qt"с eqtg"hwpvkqpснкv{ "qh"vjg"rtqvqeqn"ku"chhgevgf0
- Nqy"/"ecp"ngcf"vq"сp{ "mkpf"qh"wpgzrgevgf"dgjcxkqt"ykvj"uqog"qh"vjg"rtqvqeqn)u hwpvkqpснкvgu"vjcv)u"pqv"uq"etkvkecn0

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- Jki j"/"cvvcem"rcvj"ku"rquukdng"ykvj"tgcuqpсdng"cuuw o rvkqpu"vjcv"okoke"qp/ejckp eqpfkvkqpu."сpf"vjg"equv"qh"vjg"cvvcem"ku"tgncvкxgn{ "nqy"eqo rctgf"vq"vjg"с o qwpv"qh hwpfu"vjcv"ecp"dg"uvqngp"qt"nquv0
- Ogfkwo"/"qpн{ "с"eqpfkvkqpсcнн{ "kpegpvkxk | gf"cvvcem"xgevqt."dwv"uvkнн"tgncvкxgn{ нkmgн{0
- Nqy"/"jcu"vqq" o сp{ "qt"vqq"wpнkmgн{ "cuuw o rvkqpu"qt"tgswktgu"с"ukіpkłecpv"uvcmg"d{ vjg"cvvcemgt"ykvj"nkvnng"qt"pq"kpegpvkxg0

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

- Etkvkecn"/"Owuv"ǀz"cu"uqqp"cu"rquukdng"*kh"cntgcf{"fgrnq{gf+
- Jki j"/"Owuv"ǀz"*dghqtg"fgrnq{ o gpv"kh"pqv"cntgcf{"fgrnq{gf+
- Ogfkwo"/"Ujqwnf"ǀz
- Nqy"/"Eqwnf"ǀz

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

tgxkgy"eqo okv"jcu j"/"5g574ecff59:2ehcgh5e87hdfd:3g92;c:c:7f:3

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Ueqrg

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

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- æãã~ãbÐÖá´áá
- æ{æ^\\bÐÖá´áá
- Öá´ááO~^à↔&
- Öá´áá§~→b
- Öá´ááU\\~ãá&æ
- Öá´ááŮ↔´←æ\\b
- §↔´←
- O~^à↔&
- §~→
- Þæàæããá→
- Ů↔´←æ\\
- Öá´ááU\\~ãá&æ

90"Gzgewvkxg"Uw o o ct{

Qxgt"vjg"eqwtug"qh"vjg"ugewtkv{"tgxkgy"."rkmgp"."Wfugp." \gtqVtwuv23."Fcp"Qiwvuqx
gpicigf"ykvj" Icejc"vq"tgxkgy" Icejc0"Kp"vjku"rgtkqf"qh"vko g"cvqvcn"qh"33"kuuwgu"ygtg
wpeqxgtgf0

Rtqvqeqn"Uw o o ct{

Rtqvqeqn"Pc o g	Icejc
Tgrqukvqt{	jvvruc11ikvjwd0eq o lunggmeqtglicejc
Fcvg	Lcpwct{"49vj"4247"/"Lcpwct{"4;vj"4247
Rtqvqeqn"V{ rg	Icog

Hkpfkpiu"Eqwpv

Ugxgtkv{	C o qwpv
Etkvkecn	3
Jki j	3
Ogfkwo	3
Nqy	:
Vqvcn"Hkpfkpiu	33

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

KF	Vkvng	Ugxgkv{	Uvcvwu
]E/23_	Kpeqttgev"tgugtxg"qtfgt"kp"auycr*+	Etkvkecn	Tguqnxgf
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]N/29_	Tgfwekpi"rtqvqeqn"hgg"y jgp rwtejcukpi"vkemgvu	Nqy	Cempqyngfigf
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:0"Hkp f k p i u

:030"E t k v k e c n " H k p f k p i u

J E / 2 3 _ " K p e q t t g e v " t g u g t x g " q t f g t " k p " auy cr * +

U g x g t k v {

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

N k m g n k j q q f < " O g f k w o

F g u e t k r v k q p

K p " v j g " Ö á ´ á á Ũ ↔ ← æ \ b i i ž b } á * " h w p e v k q p . " t g u g t x g u " c t g " t g v t k g x g f " h t q o " v j g
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↔ ä Á Ç } æ \ á P æ b æ ä { æ Á K K Á € Á • • Á \ ~ ← æ ^ P æ b æ ä { æ Á K K Á € D Á ä æ { æ ä \ Á Ø ^ { á ↔ ä § á ↔ ä Ç D Ì

J q y g x g t . " \ á æ ä æ Á ↔ b Á ^ ~ Á { á ↔ ä á \ ↔ ^ " v q " g p u w t g " v j c v " } æ \ á P æ b æ ä { æ " c p f
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F w g " v q " v j g " c d q x g " k u u w g " h q m q y k p i " e q p u g s w g p e g u " e c p " q e e w t <

30" K p e q t t g e v " U y c r " E c n e w n c v k q p <

- K h " v j g " y t q p i " t g u g t x g u " c t g " w u g f " k p <

|↔^GINĀ↑ā[Ū~←æ^bĀKĀ|↔E&æ\N↑~|^Š|\Ç´~b\ÊĀ}æ\âPæbæā{æÊĀ\~←æ^Pæbæā{æDĪ

- Vjg"hwpevkqp" o c{"tgwtp"c"}ā~^&Āā´\|ā→Ū~←æ^bĀ{ā→|æ}."ngcfkpi"vq
kpeqttgev"vqmgp"c o qwpvu"tgegkxgf0

40" Rqvgpvkcñ"Fgpkcñ"qh"Ugtxkeg"*FqU+<

- Kh"vjg"↑↔^Ū~←æ^b"ecnewncvkqp"ku"kpeqttgev"*ku"xgt{"jki j+."c"uycr" o c{
ā→}ā]bĀāæ{æā\}." o cmkpi "rwtej cugu"k o rquukdng0

50" Ukngrpv"Nquu"qh"Hwpfu<

- Vjg"rtqvqeqn" o c{"tgegkxg"àæ}æāĀ*~→Ā\~←æ^bĀ\âā^Āæ[*æ´\æā"htq o "vjg
uycr"kh"vjg"↑↔^Ū~←æ^"*unkr rcig"rtc o gvg+ "ku"gzvtg o gn{"nguu"*vjcp"vjg
eqttgev"xcnwg+."vjwu"tgfwepi"vjg"→~\æā]Āāæ}āāāĀ*~→Āb↔~æ0

Tgeq o o gpfcvkqpu

Kv"ku"tgeq o o gpfgf"vq"tgvtkgxg"cpf"xcnkfcvg"vqmgp"rckt"qtfgt"dghqtg"wukpi
tgugtxgu"hqt"vjg"↑↔^Ū~←æ^b"ecnewncvkqp0

Oqfkh{"Žb}ā*"vq"ā→}ā]bĀāæ\´āĀāæbæā{æbĀ↔^Ā\âæĀ´~āāæ´\Ā~āāæā<

ÇāāāāæbbĀ\~←æ^ÊĀDĀKĀØŪ^↔b}ā*ŪGŞā↔ăÇ*ā↔ăDÊ\~←æ^ÇDĪ
Ç|↔^GINĀāæbæā{æÊĀ|↔^GINĀāæbæā{æÊĀDĀKĀØŪ^↔b}ā*ŪGŞā↔ăÇ*ā↔ăDÊ&æ\Pæbæā{æbÇDĪ
Ā|↔^GINĀ}æ\âPæbæā{æĀKĀ\~←æ^ĖĀKKĀĀÊ*ā]↑æ^Ū~←æ^ĀLĀāæbæā{æĖĀĪĀāæbæā{æFĪ
Ā|↔^GINĀ\~←æ^Pæbæā{æĀKĀ\~←æ^ĖĀKKĀĀÊ*ā]↑æ^Ū~←æ^ĀLĀāæbæā{æFĀĪĀāæbæā{æĖĪ

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]J/23_"auy~~cr~~*+"ku"xwnpgtcdng"vq"ucp f y ke j
cvcemu

Cp{qpg"ecp"dw{"c"vkemgv"htq o "c"urgek l gf"rqqn."c"egtvc kp"rc{ o gpv"vqmgp" y knn"dg
wugf"vq"u y cr"hq t" o g o g"vqmgpu0"V j g"u y cr k p i "rtqeguu"ku" k o rng o gpv g f"cu
dgnq y<

a|`^{\leftrightarrow}^{\wedge}\tilde{z}b\}á*ç
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 ÁÁÁÁÁÁÁÁ|\leftrightarrow^{\wedge}\textit{GINÁ}'\sim b\
 ÁÁÁÁDÁ*ã\leftrightarrow\{á\}æÄäæ\||\tilde{a}^b\acute{A}\check{C}|\leftrightarrow^{\wedge}\textit{GINÁ}\acute{a}'\||\acute{a}\rightarrow\acute{U}\sim\leftarrow æ^bD\acute{A}|
 ÁÁÁÁÁÁÁÁU\sim\tilde{a}á&æ\acute{A}b\sim\tilde{a}á&æ\acute{A}\acute{A}\acute{K}\acute{A}\check{Z}&\acute{a}\|\check{S}'\}\acute{U}\backslash\sim\tilde{a}á&æÇD\grave{I}
 ÁÁÁÁÁÁÁÁØÛ\leftrightarrow b\}á*\acute{U}\grave{G}\acute{P}\sim|\backslash \acute{a}â€F\acute{A}|\leftrightarrow^{\wedge}\acute{A}\acute{K}\acute{A}\emptyset\acute{U}\leftrightarrow b\}á*\acute{U}\grave{G}\acute{P}\sim|\backslash \acute{a}â€F\check{A}\grave{E}|\leftrightarrow b\}á*\acute{P}\sim|\backslash \acute{a}D\grave{I}
 ÁÁÁÁÁÁÁÁØÛ\leftrightarrow b\}á*\acute{U}\grave{G}\acute{O}á'\backslash\sim\tilde{a}] \acute{A}\acute{a}'\backslash\sim\tilde{a}] \acute{A}\acute{K}\acute{A}\emptyset\acute{U}\leftrightarrow b\}á*\acute{U}\grave{G}\acute{O}á'\backslash\sim\tilde{a}] Ç\acute{A}\grave{E}|\leftrightarrow b\}á*\acute{O}á'\backslash\sim\tilde{a}] D\grave{I}

ÁÁÁÁÁÁÁÁáäääæbbÁ*á\leftrightarrow\tilde{a}\acute{A}\acute{K}\acute{A}\acute{a}\acute{a}'\backslash\sim\tilde{a}] È&æ\§\acute{a}\leftrightarrow\check{a}\check{C}\acute{A}\grave{E}*á\}\uparrow æ^\wedge\acute{U}\sim\leftarrow æ^Ê\acute{A}\backslash\sim\leftarrow æ^D\grave{I}
 ÁÁÁÁÁÁÁÁÇ|\leftrightarrow^{\wedge}\textit{GINÁ}\}æ\|\acute{a}\Pæbæä\{\acute{a}\acute{E}\acute{A}|\leftrightarrow^{\wedge}\textit{GINÁ}\backslash\sim\leftarrow æ^Pæbæä\{\acute{a}\acute{E}\acute{A}D\acute{A}\acute{K}\acute{A}\emptyset\acute{U}\leftrightarrow b\}á*\acute{U}\grave{G}\§\acute{a}\leftrightarrow\check{a}\check{C}*á\leftrightarrow\check{a}D
 ÁÁÁÁÁÁÁÁÁÁÁÁÈ&æ\backslash Pæbæä\{\acute{a}bÇD\grave{I}
 ÁÁÁÁÁÁÁÁ\leftrightarrow\acute{a}\check{C}\}æ\|\acute{a}\Pæbæä\{\acute{a}\acute{A}\acute{K}\acute{A}€\acute{A}\bullet\cdot\acute{A}\backslash\sim\leftarrow æ^Pæbæä\{\acute{a}\acute{A}\acute{K}\acute{A}€D\acute{A}\acute{a}\acute{a}\{\acute{a}\tilde{a}\backslash\acute{A}\emptyset^{\wedge}\{\acute{a}\rightarrow\check{a}\§\acute{a}\leftrightarrow\check{a}\check{C}\}\}

MLÁÁÁÁÁÁ|\leftrightarrow^{\wedge}\textit{GINÁ}\uparrow\acute{a}[\acute{U}\sim\leftarrow æ^b\acute{A}\acute{K}\acute{A}|\leftrightarrow^{\wedge}È&æ\N\uparrow\sim|\backslash\check{S}'\backslash
 11*equiv."ygvjTgugtXg."vqmgptgugtXg+= "11"kpenwfgu"205'
 MLÁÁÁÁÁÁ|\leftrightarrow^{\wedge}\textit{GINÁ}\uparrow\leftrightarrow^{\wedge}\acute{U}\sim\leftarrow æ^b\acute{A}\acute{K}\acute{A}R\acute{a}\|\acute{a}È\uparrow|\rightarrow\mathbb{E}\{\check{C}\uparrow\acute{a}[\acute{U}\sim\leftarrow æ^bÈ\acute{A}\grave{I}\acute{I}È\acute{A}\acute{F}€D\grave{I}\acute{A}11"7'"unkrrci

ÁÁÁÁÁÁÁÁáäääæbbYŸ\acute{A}\uparrow\acute{a}\uparrow\sim\tilde{a}] \acute{A}*á\|\acute{a}\acute{A}\acute{K}\acute{A}\^{\wedge}\acute{a}\}\acute{A}\acute{a}\acute{a}\acute{a}\acute{a}\acute{b}bYŸÇGD\grave{I}
 ÁÁÁÁÁÁÁÁ*á\|\acute{a}Y€Ÿ\acute{A}\acute{K}\acute{A}\acute{A}\grave{E}*á\]\uparrow æ^\wedge\acute{U}\sim\leftarrow æ^Í
 ÁÁÁÁÁÁÁÁ*á\|\acute{a}YFŸ\acute{A}\acute{K}\acute{A}\backslash\sim\leftarrow æ^Í

ÁÁÁÁÁÁÁÁØ\acute{O}\acute{P}O€Ç\acute{A}\grave{E}*á\]\uparrow æ^\wedge\acute{U}\sim\leftarrow æ^DÈ\acute{a}**\tilde{a}\sim\{\acute{a}\check{C}\acute{A}\grave{E}|\leftrightarrow b\}á*\acute{P}\sim|\backslash \acute{a}\tilde{a}\acute{E}\acute{A}'\sim b\D\grave{I}
 ÁÁÁÁÁÁÁÁ|\leftrightarrow^{\wedge}\textit{GIN}\YŸ\acute{A}\uparrow\acute{a}\uparrow\sim\tilde{a}] \acute{A}\acute{a}\uparrow\sim|\backslash b\acute{A}\acute{K}\acute{A}|\leftrightarrow^{\wedge}Èb\}á*\acute{O}[\acute{a}'\backslash\acute{U}\sim\leftarrow æ^b\acute{O}\sim\tilde{a}\acute{U}\sim\leftarrow æ^bÇ
 ÁÁÁÁÁÁÁÁÁÁÁÁÁ'\sim b\|\grave{E}
 MLÁÁÁÁÁÁÁÁÁÁÁÁ\uparrow\leftrightarrow^{\wedge}\acute{U}\sim\leftarrow æ^bÈ
 ÁÁÁÁÁÁÁÁÁÁÁÁÁ'*á\|\acute{a}\acute{E}
 ÁÁÁÁÁÁÁÁÁÁÁÁÁ'áäääæbbÇ\|\acute{a}\leftrightarrow bDÈ
 ÁÁÁÁÁÁÁÁÁÁÁÁÁ'dnqem0vkoguvcor\acute{A}\acute{E}\acute{A}\acute{F}
 ÁÁÁÁÁÁÁÁAD\grave{I}
 ÁÁÁÁÁÁÁÁ\acute{A}'\||\acute{a}\rightarrow\acute{U}\sim\leftarrow æ^b\acute{A}\acute{K}\acute{A}\acute{a}\uparrow\sim|\backslash bY\acute{a}\uparrow\sim|\backslash bÈ\rightarrow æ^\&\|\acute{a}\tilde{a}\acute{E}\acute{A}\acute{F}\Ÿ\grave{I}
 ÁÁÁÁÇ

Dghqtg"uycrrkpi"htq"ogog"vqmgpu"wukpi" | ^↔Èb}á*Ó[á´\Ũ~←æ^bô~ãŨ~←æ^bÇD)."c
↑↔^Ũ~←æ^b"coqwpv"ku"ecnewncvgf0"Vjku"xcnwg"ugtxgu"cu"c"unkrrci g"rtqvgevkqp
ogcuwtg0"Jqy gxgt"kv"ku"ecnewncvgf"f{pcokecnn{."cvvcemgtu"ecp"ocpkrwncvg"vjg
rtkeg"d{"htqp v/twppkpi"vjg"ogog"vqmgp"rwtejcug."dw{kpi"vjg"vqmgp"dghqtg"vjg
vkemgv"rwtejcug."cpf"vjgp"ugnkp i"kv"koogfkcvgn{"chvgt."rtqłvkpi"htqo"vjg"rtkeg
oqxgo gpv0

Tgeq o o gp fcvkqpu

↑↔^Ũ~←æ^b"ujqwnf"dg"ecnewncvgf"qp"vjg"htqpvgpf"cpf"rcuugf"cu"cp"kprwv
rctcogvgt"vq"Öá´åáŨ↔´←æ\bÀ* | ã´åábæÇD

:050" Ogfkwo "Hkpfkpiu

]O/23_"K o r t q r g t " j c p f n k p i " q h " G T E 4 2

vtcpuhgt"tgwvtp"xcnwg

Ugxgtkv{

Ko rcev<"Jki j

Nkmgkjq qf<"Nqy

Fguetkrvkqp

Kp"vjg"Öá´âáŮ↔´←æ\bíîæ^\\ã~*]Oá→→âá´←"hwpevkqp."vjg"eqpvtcev"vtcpuhgtu.
ykppkpiu"vq"vjg"tgekrkgpv"cu"hqnnqyu<

↔äÄÇ\~←æ^ÄKKÄ*~→È\~←æ^DÄ*~→È\~←æ^Ñä→ä^´æÄËKÄá↑~|^\\ÏÄ
↔äÄÇá↑~|^\\ÄLÄ€DÄØÓÐOG€Ç\~←æ^DÈ\\äá^bàæäÇäæ´æ↔{æäÊÄá↑~|^\\DÏ

Vjku"hwpevkqp"ecnn"jcu"\\}~Ä↑á↓~ãÄ↔bb|æb<

30"Pqp/Eq o rnkcpv"GTE42"vqmgpu"ecp"tgxgtv"<

Vjg"eqpvtcev"cuuw o gu"vjcv"cn"GTE42"vqmgpu"ko rng o gpv"vjg"uvcpfctf"\\ää^bàæä
hwpevkqp"ykvj"vjg"hqnnqykpi"ukipcvwtg<

à|^´\↔~^Ä\\ää^bàæäÇääääæbbÄ\~ÊÄ|↔~^\\GIWÄ{á→|æDÄæ[\æä^á→Ääæ\|ä^bÄÇâ~→DÏ

Jqygxgt."b~↑æÄ\~←æ^bÄÄ~Ä^~\\Ääæ\|ä^ÄáÄâ~→Ä{á→|æ}.y jkej"o gcpu<

- Kh"vjg"vtcpuhgttgf"vqmgp"fqgu"^^\\Ääæ\|ä^ÄáÄâ~→æá^Ä{á→|æ}"kp"kvu"\\ää^bàæä
à|^´\↔~^."vjg"\\ää^bàæä"hwpevkqp"ecnn"}↔→Ääæ{æä\\Ä|^æ[*æ´\\æä→]"dgecwug
vjg"ØÓÐOG€"gzrgevu"c"äæ\|ä^Äâ~→æá^"xcnwg."ecwukpi"rqvgpvkcñ"FqU"tkumu0

40"Vqmgpu"vjcv"tgwvtp"ää→bæ"qp"hcknwtg"ctg"kipqtgf"<

Egtvckp"GTE42"vqmgpu"*g0i0."ÛUÛÛ+"fq"pqv"tgxgtv"qp"hcknwtg"dvw"äæ\|ä^Ääâ→bæ
kpuvgcf0

Ukpeg"vjg"tgwtp"xcnwg"qh" \ää^bàæä "ku" ^~\Á´âæ´←æä ."kh"c"vtcpuhgt"hcknu<

- Vjg" *~→Á\~←æ^Áâá→á^´æÁ↔bÁ | *ää\æä ."dwv"vjg"wugt" ^æ{æäÁäæ´æ↔{æbÁ\åæ↔ä }↔^↔^&b 0
- Vjg"hwpevkqp" ´~^\↔^ | æbÁæ[æ´ | \↔~^ ."cuw o kpi"vjg"vtcpuhgt"y cu"uweeguuhwn0
- Vjg"xcnwg" *~→È\~\á→þæääæ↑æäÁÉKÁFĬ "ku"wr fcvgf"kpeqttgevn{."ngcfkpi"vq"c →~bbÁ~äÄà | ^äb "hqt"vjg"wugt0

Vjg"uc o g"kuuwg"qeewtu"kp" o wnvkrng"rncegu"y jgtg" ØÓÞÖ€ "hwpevkqpu"uwej"cu á*~ã~{æ"cpf" \ää^bàæäÔä~↑ " ä~Á^~\Á´âæ´←Áäæ\ | ä^Á{á→|æb ."ngcfkpi"vq r qvgpvkcn"ugewtkv{ "tkumu0

Tgeq o o gp f cvkqpu

J gpeg"kv"ku"tgeq o o gp fg f"vq"wug"Qrgp\ gr rgnkpùu"UchgGTE42"hqt"vtcpuhgtu Tgrnceg" á→→Áä↔äæ´\ÁÓÞÖ€Á´á→→b "y kvj" UáääæÓÞÖ€ "hwpevkqpu"htq o Qrgp\ gr rgnkp<

↔↑*~ä\Á | UáääæÓÞÖ€cÁää~↑ÁÄ~Ḃ\~←æ^ÐÓÞÖ€Ḃ | \↔→bḂUáääæÓÞÖ€Èb~→ÄĬ
| b↔^&ÁUáääæÓÞÖ€Áä~äÄ ØÓÞÖ€Ĭ

Vjgp"o qfkh{"vjg"vtcpuhgt"nqike<

↔äÁÇá↑~ | ^\ÁLÁ€DÁØÓÞÖ€Ç\~←æ^DÈbáäæŮää^bàæäÇäæ´æ↔{æäÈÁá↑~ | ^\DĬ

UchgGTE42"hwpevkqpu"qh"vjg" Š*æ^Xæ**æ→↔^ "eqttgevn{"j cpfng"vjg" äæ\ | ä^Á{á→|æ´âæ´← "cu"y gmn"cu" ^~^Èb\á^äääääĚ´~↑*→→á^\Á\~←æ^b 0

:060"Nq y "Hkp fkp i u

JN/23_"V j g"gzeguu"hgg" j cu"pqv"dggp"tgwvtpg f
vq"v j g"wugt

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Á Á Á Á Á Á Á Á ↔ ä Á Ç \ ↔ ^ \ æ \ È ^ * | ä ^ á á b æ ä Á J K Á \ ↔ ^ \ æ \ È ^ → á ↔ ↑ æ ä D Á ä æ { æ ä \ Á Ø ^ b | ä ä ↔ ^ \ Ñ á → á ^ ^ æ Ç D Ì
Á Á Á Á Á Á Á Á Ø Ó ^ \ ä ~ ^ *] Á æ ^ \ ä ~ ^ *] Á K Á Ø Ó ^ \ ä ~ ^ *] Ç Á È æ ^ \ ä ~ ^ *] D Ì
Á Á Á Á Á Á Á Á ä ä ä ä æ b b Á ^ á ~ { ↔ ä ä ä Á K Á æ ^ \ ä ~ ^ *] È & æ \ Ø æ ä á | → \ Ş ä ~ { ↔ ä ä æ Ç D Ì
Á Á Á Á Á Á Á Á | ↔ ^ \ G I W Á ä æ Á K Á æ ^ \ ä ~ ^ *] È & æ \ Ø æ æ Ç ^ á ~ { ↔ ä ä æ D Ì
M L Á Á Á Á Á Á Á Á | ↔ ^ \ J H Á b æ @ S ~ Á K Á æ ^ \ ä ~ ^ *] È ä æ @ | æ b \ Ů ↔ \ á O á → ä á ^ ^ | { á → | æ í Á ä æ æ Ç
Á Á Á Á Á Á Á Á Á Á Á Á ^ á ~ { ↔ ä ä æ È
Á Á Á Á Á Á Á Á Á Á Á Á] \ æ b Ğ Ğ Ç ^ * ~ ~ → Ø ä D
Á Á Á Á Á Á Á Á D Ì

Á Á Á Á Á Á Á Á Á È ^ á → ä á ^ ^ Þ æ ^ æ { æ ä Y b æ @ S ~ Ÿ Á K Á oui 0 u g p f g t Ì
Á Á Á Á Á Á Á Á Á È ^ á → ä á ^ ^ Ş ~ ~ → Y b æ @ S ~ Ÿ Á K Á ^ * ~ ~ → Ø ä Ì
Á Á Á Á Á Á Á Á \ ↔ ^ \ æ \ È ^ → á ↔ ↑ æ ä Á È K Á F Ì

Á Á Á Á Á Á Á Á æ ↑ ↔ \ Á Ö á ^ á á Q ↔ ä È O → á ↔ ↑ Ů \ ä ä \ æ ä Ç ^ * ~ ~ → Ø ä È Á oui 0 u g p f g t È Á b æ @ S ~ D Ì
Á Á Á Á c

V j g"eqpvtcev"fqgu"pqv" r tqxkfg"cp"ceewtcvg"hgg"hqt"wugtu"vq"swgt{0"Cu"c"tguwnv.
v j g" o u i 0 x c n w g " u g p v " d { " w u g t u " f w t k p i " v j g " e n c k o * + " h w p e v k q p " o c { " g z e g g f " v j g " c e v w c n
hgg0"V j ku"gzeguu" c o qwpv"pggfu"vq"dg"tghwpfgf"vq"v j g"wugt0

JN/24_"fgcfnkpg"kp

uycrGzcevVqmgpuHqtVqmgpu*+ "fqgu"pqv"y qtm

â → ~ ^ ^ ↔ È \ ↔ ↑ æ b \ á ↑ ^ É F "ku"wugf"cu"fgcfnkpg"hqt" | ^ ↔ È b } á ^ Ó [á ^ \ Ů ~ ^ æ ^ b Ô ~ ä Ů ~ ^ æ ^ b Ç D
y j g p " u y c r r k p i " h q t " o g o g " v q m g p u <

| ↔ ^ \ G I W Y Ÿ Á ^ á ↑ ^ á] Á á ↑ ~ | ^ \ b Á K Á | ^ ↔ È b } á ^ Ó [á ^ \ Ů ~ ^ æ ^ b Ô ~ ä Ů ~ ^ æ ^ b Ç
Á Á Á Á Á Á Á Á Á Á Á Á ^ ~ b \ È
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Á Á Á Á Á Á Á Á D Ì

V j ku"ku"cn y c { u " v t w g " d g e c w u g " v j g " f g c f n k p g " x g t k ħ e c v k q p " k p " Ů ^ ↔ b } á ^ Ů Ğ b ~ | \ æ ä É F "ku<

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ä ä ä ä ↔ ^ æ " u j q w n f " d g " r c u u g f " c u " c p " k p r w v " r c t c o g v g t 0

JN/25_ "Oqfwnq"qrgtcvqt"kpvtqfwegu"dkcu fwtkpi "qffuDRU"tcvkq"ugngevkqp

Vjg"Öá´ääÜ↔´←æ\biï&æ\şá]~|\ "hwpevkqp"wugu"↑~ä|→~"qrgtcvkqp"ykvj"vjg
ää´↔æ{æäÄää^ä~↑Ä^|↑âæä"vq"igpgtcvg"tcpfqo pguu"hqt"vjg"nqvvg{ "ftcy0"Dwv"vjg
*]\äÄä~´|↑æ^ä\↔~^"uvcvgu"vjg"hqnmqy kpi"tgictfkpi"vjg"wucig"qh"o qfwnq
qrgtcvkqp"<

Pqvkeg"vjcv"wukpi"vjg"o qfwnq"qrgtcvqt"ecp"fkuvqt"vjg"fkuvtkdwvkqp"qh
tcpfqo "pw o dgtu"kh"kv)u"pqv"c"r q y g t"qh"40"Vjku"ku"pg i n k i k d n g" h q t " u o c n n
c p f " o g f k w o " t c p i g u . " d w v " k v " e c p " d g " p q v k e g c d n g " h q t " n c t i g " t c p i g u 0 " H q t
g z c o r n g . " k h " { q w " y c p v " v q " i g p g t c v g " c " t c p f q o " p w o d g t " d g v y g g p " 3 " c p f
74 . " v j g " r t q d c d k n k v { " q h " j c x k p i " c " x c n w g " q h " 7 " k u " c r r t q z k o c v g n { " 3 2 ` / 9 9
j k i j g t " v j c p " v j g " r t q d c d k n k v { " q h " j c x k p i " c " x c n w g " q h " 7 2 " y j k e j " k u
k p í p k v g u k o c n 0

Cu"rgt"vjg"fqew o gpvcvkqp."vjg"rtqdcdknk{"qh"jcxkpi"7"jcu"c"ftcuve"fkhhgtgpeg
ykvj"vjg"rtqdcdknk{"qh"jcxkpi"720"Jgpeg"yjpg"vjg" * ~ ~ ~ → È ~ ä ä b Ñ Ş U È * ↔ ´ ← Ç Ä * \ Ä Ê
æ ^ \ ä ~ *] D " k u " e c n n g f " v q " u g n g e v " c p " ~ ä ä b Ñ Ş U Ä ä ä \ ↔ ~ " t c p f q o n { . " v j g " ~ ä ä b Ñ Ş U Ä ä ä \ ↔ ~
o c { " d g " u m g y g f " v q y c t f u " c " r c t v k e w n c t " x c n w g " f w g " v q " w p g x g p " f k u v t k d w v k q p " q h
u g n g e v k q p " r t q d c d k n k v k g u 0 " K p " c f f k v k q p . " v j g " ~ ä ä b Ñ Ş U Ä ä ä ä ä] " t c p i g " e q w n f " d g " n c t i g
g p q w i j " v q " e c w u g " v j g " ↑ ~ ä | → ~ " q r g t c v k q p " v q " d g " b < æ } æ ä " v q y c t f u " c " r c t v k e w n c t
~ ä ä b Ñ Ş U Ä ä ä \ ↔ ~ b 0

Jgpeg"vjku"eqwnf"chhgev"vjg"tcpfqo pguu"qh"vjg" * á] ~ | \ "ecnewncvkqp"hqt"vjg
ykppgt0

à | ^ ´ \ ↔ ~ ^ Ä * ↔ ´ ← Ç
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Ä Ä Ä Ä ä] \ æ b Ñ G Ä æ ^ \ ä ~ *]
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Ä Ä C

J gpeg" y j gp" fgvgto kpkpi "vjg" ~ääbÑŞUÁää\↔~ "tcpfqon{."kv"ku"tgeqo o gpfgf"vq
eqpukfgt"wukpi "c"fkhhgtgpv" o gvjqf"vq" o kvkicvg"vjg"dkcu"ecwugf"d{ "↑~ä |→~
~*æää\↔~^0

JN/26_ "V j g"tgfwpfcpv"ecm"vq

rqqn0qffuDRU0kpfgzQh*tcvkq+

Vjg" Öá´ääÚ↔´↔æ\bíi&æ\şá]~|\ "hwpevkqp"ugngevu"vjg" ~ääbÑŞUÁää\↔~ "tcpfqon{
d{"ecnnkpi"vjg" *~~~→È~ääbÑŞUÈ*↔´↔ "hwpevkqp0"Vjg"ko rng o gpvcvkqp"ku"cu"hqnnqyuc

à | ^´\↔~^Á*↔´↔Ç
ÁÁÁÁ |↔^FIIYŸÁ↑æ↑~ä]Ábæ→àÊ
ÁÁÁÁb\ä↔^&Á↑æ↑~ä]Á*ääæ↔[Ê
ÁÁÁÁÁ]\æbĞGÁæ^\ä~*]
ÁÁD
ÁÁÁÁ↔^↔æä^á→
ÁÁÁÁ* | äæ
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ÁÁ |
ÁÁÁÁääæ\ | ä^Ábæ→àY |↔^GINÇ↔æ´´á↔GINÇáâ↔Èæ´´~ääÇ*ääæ↔[ÊÁæ^\ä~*]DDDÁÁÁbæ→àÈ→æ^&\áŸÎ
ÁÁc

Qpeg"vjg" ~ääbÑŞUÁää\↔~ "ku"ugngevgf"vjg" &æ\şá]~|\ "hwpevkqp"ecmu"vjg
*~~~→È~ääbÑŞUÈ↔^ää[ŞàÇää\↔~D "vq"igv"vjg"kpfgz"qh"vjg" ää\↔~Á{á→|æ"kp"vjg
~ääbÑŞUÁääää]0

à | ^´\↔~^Á↔^ää[ŞàÇ |↔^FIIYŸÁ↑æ↑~ä]Ábæ→àÊÁ |↔^FIIÁ{á→|æDÁ↔^↔æä^á→Á* | äæÁääæ\ | ä^bÁ
ÁÁÁÁÇ |↔^FIIIDÁ |
ÁÁÁÁä~ääÇ |↔^FIIÁ↔ÁKÁ∈ÎÁ↔ÁJÁbæ→àÈ→æ^&\áÎÁ↔ÈÉDÁ |
ÁÁÁÁÁÁ↔äáÇbæ→àY↔ŸÁKKÁ{á→|æDÁääæ\ | ä^Á↔Î
ÁÁÁÁc
ÁÁÁÁääæ{æä\ÇÁ^~\Áà~ | äÁDÎ
ÁÁc

Cu"ujqyp"cdqyg."vjg"cttc{"uvctvkpi"htqo"vjg"ťtuv"ngng o gpv"qh"vjg" ~ääbÑŞU
ääää] "kvgtcvgu"vknn"vjg" ää\↔~ "o cvejgu"vjg"urgekťe"ngng o gpv"qh"vjg"cttc{"cpf"vjgp
vjg"kpfgz"ku"tgwtpgf"cu"vjg" \↔æä0"Dwv"vjg"kuuwg"ykvj"vjku"ko rng o gpvcvkqp"ku"kh
vjgtg"ctg"vyq"ngng o gpvu"ykvj"vjg"uc o g" ää\↔~ "kp"vjg" ~ääbÑŞUÁääää] "*ngv)u
cuuw o g"kpfgz"4"cpf"5+"vjgp"vjg" ↔^ää[ŞàÇD "hwpevkqp"yknncny c{"u"tgwtp"vjg"ťtuv
qeewttgpeg"y jkej"ku"kpfgz"4"y jgtgcu"vjg
|↔^GINÇ↔æ´´á↔GINÇáâ↔Èæ´´~ääÇ*ääæ↔[ÊÁæ^\ä~*]DDDÁÁÁbæ→àÈ→æ^&\á
eq o rwwcvkqp"y qwnf"j cxg"tgwtpgf"kpfgz"50" J gpeg"vjg"y tqpi"vkgt"ku"tgwtpgf"kp
vjku"uegpctkq0

J gpeg"kv"ku"tgeq o o gpfgf"vq"tgwtp"vjg

|↔^GIUÇ←æ´´á←GIUÇáâ↔Èæ´´~äæÇ*äæâ↔[ÊÁæ^\'ã~*]DDDÃÃÃbæ→àÈ→æ^&\`á"xcnwgu"cu
vjg"\↔æä"fwtkpi"vjg"*~→È~ääbÑŞUÈ*↔´←"hwpevkqp"ecnn"kpuvgc f"qh"ecnnkpi"vjg
*~→È~ääbÑŞUÈ↔^äæ[ŠàÇää\↔~D]"hwpevkqp"tgfwfcpvn{"vq"tgvtkgxg"vjg"uc o g
kpfgz0

JN/27_"Okuukpi"tghgttcnEnckoVjtgujqnf xcnkfcvkqp

Wugtu"ecp"enck o "vjgkt"äæðæääá→Ãäæ}áääb"ceetwgf"kp"vjg"eqpvtcev"d{"ecnnkpi"vjg
Öá´´ááŮ↔´←æ\bíí´→á↔↑Pæðæääá→Ôææb"hwpevkqp"<

à|´^↔~^Á´→á↔↑Pæðæääá→ÔææbÇDÄæ[\æä^á→Á^~^Pææ^\'ää^\'Á|
ÁÁÁÁŮ~ää&æAb~ää&æÁÁÁKÁŽ&æ\Š}^Ů~ää&æÇDÌ
ÁÁÁÁPæðæääá→Áb~ää&æÁäæðÁKÁÁÈäæðæääá→bYoui0ugpfgtŸÌ

ÁÁÁÁ|↔^GIUÁá↑~|´^ÁKÁäæàÈá}áääæäN↑~|´^ÁÈÁäæàÈ´→á↔↑æäN↑~|´^Ì
ÁÁÁÁ→àÁÇá↑~|´^ÁKKÁEÐÁäæ{æä\ÁØ^b|àâ↔´↔æ^\'Ñá→á^´æÇDÌ

ÁÁÁÁäæàÈ´→á↔↑æäN↑~|´^ÁÉKÁá↑~|´^Ì

ÁÁÁÁØÓPÖGÇÁÈ*á|↑æ^\'Ů~←æ^DE\'ää^bàæäÖä~↑ÇÁÈäææŮá→æ\ÊÄoui0ugpfgtÊÁá↑~|´^DÌ

ÁÁÁÁæ↑↔\ÁÖá´´ááQ↔âÈO→á↔↑Pæðæääá→Çoui0ugpfgtÊÁá↑~|´^DÌ
c

Jqy gxgt."vjg"ä~´|↑æ^\'æäÁäæáá{↔~ääb\`á\æb"vjcv"äæðæääá→bÁbâ~|→ää~^→]Áäæ
áâ→æÁ\~Á´→á↔↑Á\`áæ↔ääÄæ}áääbÁ~^´æÁ\`áæ]Áá↔\ÁÁÁäæðæääá→O→á↔↑Ůääæbâ~→ä0

Fgurkvg"vjku."vjg"äæðæääá→O→á↔↑Ůääæbâ~→ä"rctc o gvg"ku"ugv"kp"vjg
Öá´´ááO~^â↔&íibæ\O~^â↔&"hwpevkqp."dwv"↔\Á↔bÁ^æ{æääÁæ^à~ä´æä"kp"vjg
Öá´´ááŮ↔´←æ\bíí´→á↔↑Pæðæääá→Ôææb"hwpevkqp"fwtkpi"äæðæääá→Ãäæ}áää
ykvjftcycn0

Fwg"vq"vjg"cdqyg" o kuukpi"vjtgujqnf"k o rng o gpvcvkqp"hqnnqy kpi"eqpugswgpegu
ecp"qeewt"<

30" Wugtu"ecp"enck o "tghgttcn"hggu"dgnqy"vjg"kpvgpf fgf"vjtgujqnf , ,

- Wugtu"ecp"äæ*æá\æä→]"enck o "u o cmn" c o qwpvu."ngcfkpi"vq"á↔&ä
\'ää^bá´\↔~^Á´~b\bÁá^äÁ↔^æäâ↔´↔æ^´↔æb0

40" Kpetgcugf"Qp/Ejckp"cevkxkv{" ("icu"equvu"<

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htgswgpv."u o cnn/xcnwg"enck o u0

50" Fgxkcvcqp"htq o "vjg"fqew o gpvvgf"dgjcxkqt"<

- Vjg" ~ ^ \ ã á ´ \ Á ä ~ æ b Á ^ ~ \ Á ä → & ^ Á } ↔ \ ã Á ↔ \ b Á ↔ ^ æ ^ ä æ ä Á á ^ ä Á ä ~ ´ | ↑ æ ^ \ æ ä à | ^ ´ \ ↔ ^ á → \] ." y j k e j " o c { " n g c f " v q " | b æ ä Á ´ ~ ^ à | b ↔ ~ ^ Á ~ ä Á ↑ ↔ b á → & ^ æ ä â æ á á { ↔ ~ ã 0

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ā| ^↖↗^Ā→ā⇕↑Pæðæǎǎā→ÔæþçDĀæ[\æă^ă→Ă^~^Pææ^\ăă^\Ă|
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]N/28_"Ncem"qh"tghgttcn"hgg"vtcemkpi

Kp"vjg"Öă´ááŨ↔´←æ\bİiİž*|ă´áábæ"hwpevkqp."ăæàæăăă→Ăăæăb"ctg"cnnqecvgyf"kh"vjg
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30" Vqvcn"tghgttcn"hggu"ctg"pqv"vtcemgf"<

- Vjg"eqpvtcev"Ǻ~æbǺ^~\\Ǻb\\~ǺæǺ\\ǺæǺ\\~\\á→ǺǺæǺæǺǺǺǺ→ǺǺæǺǺǺǺ↑~|^\\
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