Qtkikpcn Cfqrvkqp< Lcpwct{ 4:.4235 Tgxkugf< Oc{ 45.4246 Tgurqpukdng Ejcpegnnqtøu Ecdkpgv Ogodgt< Xkeg Ejcpegnnqt hqt Tgugctej

Tgurqpukdng FgrctvogpvlQhhkeg< Cpkocn Tguqwtegu Egpvgt

Vjg Wpkxgtukv{ qh Cncumc Hcktdcpmu *WCH+ Cvvgpfkpi Xgvgtkpctkcp *CX+ ku tgurqpukdng hqt vjg jgcnvj cpf ygnn/dgkpi qh cnn cpk o cnu wugf d{ vjg kpuvkvwvkqp0 Vq hwnhknn vjku o kuukqp. vjg CX qxgtuggu vjg WCH Cpk o cn Tguqwtegu Egpvgt *CTE+ cpf jcu vjg fktgev cwvjqtkv{ vq gpuwtg vjg cfgswce{ qh cpk o cn ectg cpf wug d{ WCH. kttgurgevkxg qh wpkv qt fgrctv o gpvcn o cpc ig o gpv. rwtrqug. qt hwpfkpi0 Vjg CX tgrqtvu fktgevn{ vq vjg fgukipcvgf Kpuvkvwvkqpcn Qhhkekcn *KQ+ cpf ku c xqvkpi o go dgt qh vjg Kpuvkvwvkqpcn Cpk o cn Ectg cpf Wug Eq o o kvvgg *KCEWE+0

 $Cfgswcvg\ xgvgtkpct\{\ ectg\ ku\ cp\ guugpvkcn\ eq\ o\ rqpgpv\ qh\ cp\ cpk\ o\ cn\ ectg\ cpf\ wug\ rtqitc\ o\ cpf\ ku\ tgswktgf\ d\{\ vjg\ Cpk\ o\ cn\ Ygnhctg\ Tgiwncvkqpu\ *CYTu+\ cpf\ Rwdnke\ J\ gcnvj\ Ugtxkeg\ *R\ J\ U+\ Rqnke\{\ qp\ J\ w\ o\ cpg\ Ectg\ cpf\ Wug\ qh\ Ncdqtcvqt\{\ Cpk\ o\ cnu0\ Vjg\ k\ o\ rqtvcpeg\ qh\ cfgswcvg\ xgvgtkpct\{\ ectg\ ku\ cnuq\ g\ o\ rjcuk\ |\ gf\ kp\ cpk\ o\ cn\ tgugctej\ i\ wkfgnkpgu\ cpf\ rqnkekgu\ rtq\ o\ wn\ i\ cvgf\ d\{\ uekgpvkhke\ qticpk\ |\ cvkqpu0\}$

Kv ku vjg tgurqpukdknkv{ qh WCH vq uwrrqtv c eqortgjgpukxg cpk o cn ectg cpf wug rtqitco vjcv gpuwtgu vjg jgcnvj cpf ygnn/dgkpi qh cnn cpk o cnu wugf d{ vjg kpuvkvwvkqp0 Engct rtqxkukqpu jcxg dggp o cfg cv WCH vq ikxg vjg CX crrtqrtkcvg cwvjqtkv{ vq gzgewvg c rtqitco qh cfgswcvg xgvgtkpct{ ectg. kpenwfkpi ceeguu vq cnn cpk o cnu0

WCH hqnnqyu vjg tgswktgogpvu ugv hqtvj wpfgt; EHT 4055 kp vjg Cpkocn Ygnhctg Tgiwncvkqpu cu ygnn cu vjg Cogtkecp Eqnngig qh Ncdqtcvqt{ Cpkocn Ogfkekpg *CENCO+ rqukvkqp qp cfgswcvg xgvgtkpct{ ectg0}

Hqt vjg rwtrqug qh vjku rqnke {. cpk o cn tghgtu vq cp { nkxg xgtvgdtcvg0

 $\label{thm:continuous} Vjg\ CTE\ fktgevn\{\ cf\ o\ kpkuvgtu\ ugxgtcn\ WCH\ cpk\ o\ cn\ tgugctej\ hceknkvkgu\ cpf\ j\ qwugu\ WCHu\ Xgvgtkpct\{\ Ugtxkegu0\$

- 70 I wkfg hqt vjg Ectg cpf Wug qh Citkewnvwtcn Cpk o cnu kp Tgugctej cpf Vgcejkpi. Hqwtvj Gfkvkqp. 42420 Rwdnkujgf d{ vjg Cogtkecp Fckt{ Uekgpeg Cuuqekcvkqp. vjg Cogtkecp Uqekgv{ qh Cpk o cn Uekgpeg. cpf vjg Rqwnvt{ Uekgpeg Cuuqekcvkqp0
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- 90 Hckt. L0. G0 Rcwn. L0 Lqpgu cpf N0 Dkgu. Gfu0 42450 I wkfgnkpgu vq vjg Wug qh Yknf Dktfu kp Tgugctej0 Ycujkpivqp. F0E0 Qtpkvjqnqikecn Eqwpekn0
- I wkfgnkpgu hqt vjg Wug qh Hkujgu kp Tgugctej 0 42360 Wug qh Hkujgu kp Tgugctej Eqookwgg *lqkpv eqookwgg qh vjg Cogtkecp Hkujgtkgu Uqekgv{. vjg Cogtkecp Kpuvkvwvg qh Hkujgt{ Tgugctej Dkqnqikuvu. cpf vjg Cogtkecp Uqekgv{ qh Kejvj {qnqikuvu cpf Jgtrgvqnqikuvu+0 Cogtkecp Hkujgtkgu Uqekgv{. Dgvjgufc. Oct{ncpf0}
- ;0 I wkfgnkpgu hqt Wug qh Nkxg Corjkdkcpu cpf Tgrvkngu kp Hkgnf cpf Ncdqtcvqt{ Tgugctej. 4pf gfkvkqp*4226+ Jgtrgvqnqikecn Cpk ocn Ectg cpf Wug Eqookvvgg *JCEE+ qh vjg Cogtkecp Uqekgv{ qh Kejvj{qnqikuvu cpf Jgtrgvqnqikuvu

320 +gH] &ÿR pPÂP ¼ WHM jÿt {) L H O G cpf Ncdqtcvqt { + H] ôÂÂôG0 À p p € € . j/C2_0.049 48>Tj/T1_0 1 Tf()Tj/C2_0 1 Tf 13.581 C004800492_0 1 Tf4C0057 1 T 20 >04C0057005700 . & R P P HL W

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$Cp\{\ fkuekrnkpct\{\ cevkqp\ vcmgp\ d\{\ vjg\ wpkxgtukv\}\}$	{ yknn hqnnqy	vjg gornq{	ogpv twngu	iqxgtpkpi	vjg
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 $Vjgtg\ ctg\ pq\ gzegrvkqpu\ vq\ vj\,ku\ rqnke\{\emptyset$

 $\label{thm:condition} \begin{picture}{ll} Vjg\ CX\ cpf\ qvjgt\ xgvgtkpctkcpu\ kp\ vjg\ CTE\ jcxg\ hwnn\ kpuvkvwvkqpcn\ uwrrqtv\ cpf\ cwvjqtkv\{\ vq\ ocpcig\ vjg\ \end{picture}$