

Ecug" jkuvqt {"qp" kpeq o rnvvg" cdqtvkqp" r tguvgvf" cv" Vqnk" j gcnvj" rquv" Cejjc o. Pgrcn

Clkvcy ctk" E j c w f j c t k³, "Uc p f g u j" F g x m q v c⁴, "W o g u j" I c w c o⁵

³Fgrctv o g p v" q h" R w d n k e" J g c n v j. "P q t v j" U q w v j" W p k x g t u k v {" F j c m c. "D c p i n c f g u j

⁴Fgrctv o g p v" q h" T c f k q n q i {" V W V J " W p k x g t u k v {" M c v j o c p f w. " P g r c n

⁵Fgrctv o g p v" q h" R w d n k e" J g c n v j. "K Q O" V t k d j w x c p" W p k x g t u k v {" M c v j o c p f w. " P g r c n

Tggekxgf< 13-Aug-2020, Manuscript No. AARRGO-23-17336; **Gflvqt" cuukipgf**< 18-Aug-2020, PreQC No. AARRGO-23-17336 (PQ); **Tgxkygyf**< 01-Sep-2020, QC No. AARRGO-23-17336; **Tgxkugf**< 26-May-2023, Manuscript No. AARRGO-23-17336 (R); **Rwdnkujgf**< 27-Jun-2023, DOI: 10.35841/2591-7366-4.3.141

Cduvtcev

Dcemi tqwppf< C o q p i" u q t v u" q h" c d q t v k q p u. " k p e q o r n v v g" c d q t v k q p" k u" q p g" q h" v j g o" k p" y j k e j" v j g t g" k u" q r g p e g t x k e c n" q u" y k v j" x c i k p c n" d n g g f k p i" d w v" v j g t g" k u" p q v" e q o r n v v g" g z r w n u k q p" q h" c m" r t q f w e v u" q h" e q p e g r v k q p" h t q o v j g" w v g t w u" J c g o q t t j c i g" c p f" k p h g e v k p" c t g" e q o o q p" e q o r n k e c v k q p u" c u u q e k c v g f" y k v j" c d q t v k q p" k p h g e v k p k u" v j g" n g c f k p i" e c w u g" q h" f g c v j" f w g" v q" c d q t v k q p" V j g" i q x g t p o g p v" q h" P g r c n" o c f g" c d q t v k q p" n g i c n" k p U g r v g o d g t" 4224" J q y g x g t" v j g" n e y" r t q j k d k v u" c d q t v k q p u" f a p g" y k v j q w v" v j g" e q p u g p v" q h" y q o g p. " u g z / u g n g e v k x g" c d q t v k q p u" c p f" c d q t v k q p u" r g t h q t o g f" y k v j q w v" v j g" n g i c m {" r g t o k u u k d n g" e t k v g t k e" V j g" j k u v q t {" q h v j k u" u v w f {" k u" c o q p i" v j g" t e t g" j k u v q t {" Y j k e j" g p e q w t c i g u" d t q w i j" v q w v" v j k u" e c u g" j k u v q t {" k p" h t q p v" q h" {" q w" Q d l g e v k x g u" V j g" e j k g h" q d l g e v k x g" q h" v j k u" e c u g" j k u v q t {" y c u" v q" t w n g" q w v" h c e v q t u" c u u q e k c v g f" y k v j" k p e q o r n v v g c d q t v k q p. " k v u" e q p u g s w g p e g u" c p f" r t g x g p v k x g" o g c u w t g u" G x c n w e v k q p" q h" v j g" e c u g" j k u v q t {" < C" y q o c p" c i g f" 4; {" g e t u" q n f" r t g u g p v g f" c v" V q n k" j g c n v j" r q u v" f c v g f" q p" 4; v j U g r v g o d g t" 4237" y k v j" r t k p e k r c n" e q o r n c k p g f" q h" R l X" d n g g f k p i" Q p" r j {" u k e c n" g z c o k p e v k q p. " u j g" y c u" n q m k p i x g t {" y g e m. " k m" c p f" c p e g o k e" U j g" e q w n f p" v" y c m" h t g g n {" y k v j q w v" v j g t" r g q r n g u" u w r r q t v" U j g" y c u" 36" y g g m u q h" r t g i p e p e {" U j g" e n t g e f {" j e f" v j t g g" e j k n f t g p" U j g" f k f" p q v" y c p v" c p {" o q t g" e j k n f t g p. " u q" u j g" c v w g o r v g f" v q c d q t v" j g t" r t g i p e p e {" d {" v c m k p i" o g f k e k p g" h t q o" c" n q e c n" o g f k e c n" j c m" c u" c" t g u w n v" q h" k p e q o r n v v g" c d q t v k q p q e e w t t g f" C i c k p. " u j g" m g r v" c" y q q f g p" u v k e m" q p" j g t" w v g t w u" v q" c d q t v" j g t" r t g i p e p e {" d w v" u j g" h q t" c" u g e q p f v k o g" h e k n g f" v q" c d q t v" j g t" r t g i p e p e {" C h v g t" v j e v. " v j g" e c u g" y c u" r t g u g p v g f" c v" V q n k" j g c n v j" r q u v" V j g" e c u g" y c u r t q o r v n {" t g h g t t g f" v q" j k i j g t" e g p v t g" c h v g t" r t k o c t {" v t g e v o g p v" h q t" h w t v j g t" o c p c i g o g p v" f w g" v q w p e x k n e d k n k v {" q h" j w o c p" t g u q w t e g u" c p f" q v j g t" h c e k n k v k g u" N g u u q p" n g e t p g f" h t q o" v j g" e c u g" Y q o g p" u g g m" o g f k e c n" c d q t v k q p" v j t q w i j" n q e c n" k n g i c n k | g f" o g f k e c n" j c m" k h p q" j g c n v j" h c e k n k v {" r t q x k f g u" u c h g" c d q t v k q p" u g t x k e g u" n q e c v g f" p g c t" v j g o" q t" v j g t g" c t g" p q" v t c k p g f" u c h g c d q t v k q p" u g t x k e g" r t q x k f g t u" k p" v j g k t" n q e c n" e q o o w p k v {" R t q r q u g f" u q n w v k q p" Y q o g p" g o r q y g t o g p v" q p" t g r t q f w e v k x g" j g c n v j" c p f" u q e k q / g e a p p o k e" k u u w g u" u j q w n f" d g c t q w u g f" c v" v j g" e q o o w p k v {" M g {" y q t f u" k p e q o r n v v g" c d q t v k q p. " V q n k. " J g c n v j" r q u v. " C e j j c o. " E c u g" j k u v q t {" C d d t g x k e v k q p u" E C E" E q o r t g j g p u k x g" C d q t v k q p" E c t g" F O R C" F g r q v / O g f t q z {" R t q i g u v g t p q p" C e g v e v g = J d" J g o q i n q d k p" K l X" K p v t c" X g p q w u" O C" O g f k e c n" C d q t v k q p" P F J U" P e v k p c n" F g o q i t e r j k e" J g c n v j U w t x g {" Q R F" Q w v" R e v k g p v" F g r c t v o g p v" T i N" T i p i g t u" N c e v e v g = X F E" X k m c i g" F g x g n q r o g p v" E q o o k v v g g = Y J Q" Y q t n f" J g c n v j" Q t i c p k | c v k q p

Kpvtqf wevkqp

Cp" kpeq o rnvvg" cdqtvkqp" ku" fghkpgf" d {" vjg" enkpkecn" rtgugpvcvkqp qh" qrgp" egtxkecn" qu" cpi" dnggfkpi." yjtgtd {" cmm" rtqfwewu" qh" eqpegrvkqp" jcxg" pqv" dggp" gzrgnngf" htqo" vjg" wvgtwu" Eqo o qp u {" o rvq ou" kpenwfg" xcikpcn" dnggfkpi" cpi" cdfqokpcn" rckp" Vjg o ckp" tgcuppu" hqt" jcxkpi" cp" cdqtvkqp" ctg" ycpvgf" pq" oqtg ejknftgp." fgnc {" ejknfdgctkpi." jgcnvj" kuuwgu." dktvj" urcekpi" cpi" ugz" qh" ejknf" yjkej" ceeqwpu" hqt" 72 ' . 34 ' . 32 ' . ; ' " c p f " 9 ' t g u r g e v k x g n {" C d q t v k q p" h c m u" k p v q" v j t g g" e c v i g t k g u" i . e. " u c h g. " n g u u u c h g" c p f" n g c u v" u c h g" Y j g p" c p" c d q t v k q p" v c m g u" n r c e g" d {" w u k p i" c u c h g" o g v j q f" c p f" r g t h q t o g f" d {" c p" c r r t q r t k c v g n {" v t c k p g f" j g c n v j e c t g" r t q x k f g t u" i . e. " c u" r g t" Y J Q" j g c n v j" y q t m g t" i w k f g n k p g u" c t g

mpqyp"cu"uchg"cdqtvkqp."vjg"cdqtvkqp"vcmgu"nceg"d {"wukpi"cu"uchg o gvjqf" ykvj"wpvtckpgf" jgcnvj"ectg"rtqxfgtu"cpf" xkeg" xgtuc"ku mpqyp"cu"nguu"uchg"cdqtvkqp"cpf"vjg"cdqtvkqp"vcmgu"nceg"d {"wukpi"cp"wpuchg" o gvjqf" ykvj"wpvtckpgf" jgcnvj"ectg"rtqxfgtu"ku mpqyp"cu"ngcu"uchg"cdqtvkqp"kv"ku"guvk"ocvgf"vjcv"coqpi"cnm cdqtvkqp."77' "ctg"uchg."53' "ctg"nguu"uchg"cpf"36' "ctg"ngcu"uchg" Jcg o qttjci g" c p f" k p h g e v k p" c t g" e q o o q p" e q o r n k e c v k q p u c u u q e k c v g f" y k v j" c d q t v k q p" V j g" o q u v" h t g s w g p v" e c w u g" q h" c m r q v g p v k c m {" n k h g / v j t g c v g p k p i" e a p f k v k a p u" k u" j c g o q t t j c i g = j q y g x g t. " k p h g e v k p" k u" v j g" n g c f k p i" e c w u g" q h" f g c v j" J 3_0 C u" q h" 4232/4236. " k v" k u" g u v k o c v g f" v j c v" 770; " o k n k q p" c d q t v k q p u q e e w t" g c e j" {" g c t" k p" v j g" y q t n f" k p" y j k e j" 6; 05" o k n k q p" c d q t v k q p u q e e w t" k p" f g x g n q r k p i" t g i k a p u" c p f" q p n {" 808" o k n k q p" k p" f g x g n q r g f

tgikqpu" Qxgtcm." 57" cdqtkqpu" qeewt" gcej" {gct" rgt" 3.222 yqogp" cigf" 37/66" {gctu" yqtnf ykfg" Vjg" cdqtkqpu" tcvg" ku" nqygt kp" fgxgnqrkf" tgikqpu" *49" rgt" 3.222" yqogp" cu" eqo rctgf" vq fgxgnqrkpi" tgikqpu" *58" rgt" 3.222" yqogp" J4_0" Cp" cppwcn" tcvg qh" cdqtkqpu" qh" 57" rgt" 3.222" yqogp" ujqyuv" vjcv." qp" cxgtcig." c yqo cp" yqwnf" jcxg" qpg" cdqtkqpu" kp" jgt" nhgvk" o g0" Vjg" cdqtkqpu tcvg" kp" Chtkcc" ku" 56" rgt" 3.222" yqogp" yjkej" ctg" xgt" { "enqug" vq vjcv" qh" Cukc" yjgtg" cdqtkqpu" tcvg" ku" 58" rgt" 3.222" yqogp" Vjg vqvcn" cdqtkqpu" qeewtkpi" yqtnf ykfg" gcej" {gct" dgvyggp" 4232 cp" 4236" ku" guvk" o cvg" pgctn" { "4703" o knkqp" ygtg" wpuchg" c o qpi vjg o" 4605" o knkqp" qt" ;9 ' " qh" wpuchg" cdqtkqpu" qeewtkpi" kp" c fgxgnqrkpi" eqwvpt{0" Vjg" eq o rnkccvqpu" tguwvki" htq o" wpuchg cdqtkqpu" ctg" eq o o qp" kp" c" fgxgnqrkpi" eqwvpt{ "J5_0

Nkvgtcwvtg" Tgxkg y

Vjg" cdqtkqpu" tcvg" c o qpi" yqogp" qh" tgrtqfwekxg" cig" *37/6; {gctu" kp" Pgrcn" ku" 64" rgt" 3222" yqogp" qh" tgrtqfwekxg" cig" Qpn{ "64" rgt" egp" qh" yqogp" ygtg" rtqxfkf" ngicn" cdqtkqpu" cv iqxgtpogp/ crrtqxf" ugtxkeg" ukvg" c o qpi" vqvcn" cdqtkqpu" kp Pgrcn0" Nquv" qh" hg o cng" hceg" wp y cpvg" rti pcp{ "fwg" vq" nccm" qh ceeguukng" hc o kn{ " rncppki" mpqyngfi g" cpf" ugtxkegu" J6_0 Yqogp" yjq" nccm" ceegu" vq" uchg" cdqtkqpu" ugtxkegu" cu" rgt" vjgkt fguktg" vk o g" hcm" wpgf" jki jgt" tkum" qh" fgxgnqrkpi" eq o rnkccvqpu fwg" vq" wpuchg" cdqtkqpu. "qt" kp" vjg" yqtuv" ecug. "uwkekf" fgw" vq uqekcn" rtguuwtg" J6_0

Gxkfpeg" htq o" P F J U" tgrqt" 4238" ujqygf" vjcv" kp" vjku" 43^w egpwt{ "qpn{ "6: ' " qh" yqogp" cig" 37/6; " {gctu" jcxg" mpqyngfi g" yjgtg" c" uchg" cdqtkqpu" ugtxkeg" ecp" dg" qdvckpgf0" Fcvc" htq o" vjg uc o g" tgrqt" cnuq" tgxgngf" vjcv" qpn{ "63 ' " qh" yqogp" cig" 37/6; {gctu" mpqy" vjcv" cdqtkqpu" ku" ngicn" kp" Pgrcn" c o qpi" vjg o" rgqrng htq o" wtdcp" ctgcu" ("twtca" ctgcu" ctg" 65 ' "cpf" 58 ' "tgurgesxgn{0 Dghqg" 4224." cdqtkqpu" ycu" knngicn" kp" Pgrcn." wpuchg" cdqtkqpu ycu" eq o o qp" cpf" fgcvj" u" htq o" cdqtkqpu/ tgnccvg" eq o rnkccvqpu cvtkdwwgf" vq" o qtg" vjcp" jcnh" qh" o cvgtpcn" fgcvj" u" qeewtkpi" kp o clqt" j qurkvcn0" Kp" Pgrcn." o qtg" vjcp" jcnh" cdqtkqpu" i.e. "7: ' " ctg encpf guvkpg" rtqegfwtgu" rgtqto g" d{ "wpvtckpgf" qt" wpcr rtqxf jgcnvj" ectg" rtqxfkgtu" qt" kpfweg" d{ " vjg" rtgipcpe" yqo cp jgtugnh0" Cdqwv" hxxg" o knkqp" yqogp" cpf" iktnu" ctg" cf o kvvgf" kp" vjg j qurkvcn" gcej" {gct" hqt" uggmkpi" vtgcvg" o gppv" qh" cdqtkqpu/ tgnccvg eq o rnkccvqpu" fwg" vq" tguwv" qh" wpuchg" cdqtkqpu" Vjgug" rtqdn g o u ecwug" 442.222" ejknf tgp" o qvjgtnguu" J7_0

C"uvwf{ "fqpg" d{ "Czgn" K0" Owpfkiq" ujqygf" vjcv" kh" cp" wpc o cttkgf yqo cp" ecp" ugewt" enkpkc" qt" rtkxcvg" cdqtkqpu" ugtxkegu. " u j g" ku qhvgp" cumgf" vq" rc{ " hqwt" vk o gu" cu" o wej" cu" o cttkgf" yqogp0 Eqpugswgpw{. " o cp{ " tguqt" vq" wpswcnkhkfg" rtcevkqkpgtu" qt" vq vtcfkvqpcn" dktvj" cvvgpfcvpu" vq" vgt o kpcvg" vjgkt" rtgipcpe{0" Vjg o gyjqfu" wugf" d{ " vjgug" vtcfkvqpcn" rtcevkqkpgtu" kpenwfg cdfq o kpcn" o cuucig. " kpiguvkp" qh" swkpkpg. " qt" vjg" kpugtvpq" qh kpvtw o gpvu" kpvq" vjg" wgtwu" d{ " vjg" cvvgpfcvpu" J8_0

Cnvjqwi j" vjg" iqxgtpogp" qh" Pgrcn" o c f g" cdqtkqpu" ngicn" kp Ugrv g o dgt" 4224." vjg" ko rng o gppvcvqpu" qh" eq o r t j g p u k x g cdqtkqpu" ectg" ugtxkegu" uvctvgf" htq o" Octej" 42260" Vjg" cdqtkqpu ncy" cmnyu" yqogp" vq" vgt o kpcvg" vjgkt" rtgipcpe{ " wpgf" vjg hqnnqy kpi" eqpfkvkqpu" Rti gpcpeku" qh" 34" yggmu0" iguvcvqpu" qt nguu" hqt" cp{ " yqo cp" ceeqt kpi" vq" jgt" qy p" fgkukqpu. " rtgipcpeku qh" 3: " yggmu0" iguvcvqpu" kh" vjg" rtgipcpe{ " ku" c" tguwv" qh" tcr g" qt

kpegu" cpf" rtgipcpeku" qh" cp{ " fwtcvqpu" ykvj" vjg tgeq o ogpfcvqpu" qh" cp" cvvjqt klgf" o g f k e c n" rtcevkqkpgt" kh" vjg nkkg" qh" vjg" o qvjgt" ku" cv" tkum. " kh" jgt" rj {ukecn" qt" o g p v c n" j g c n v j" ku cv" tkum" qt" kh" vjg" hgwwu" ku" fght o g f 0" J q y x g t. " v j g" n c y" r t j k d k v u cdqtkqpu" fqpg" ykvjqwv" vjg" eqpugpv" qh" vjg" yqo cp. "ugz/ugngexg cdqtkqpu" cpf" cdqtkqpu" rgtqto g" qwwkf" vjg" ngicn{ rgt o kuukdng" etkvtk" J9_0" Vjg" cdqtkqpu" ugtxkeg" rtqxfkgtu" cpf" vjg jgcnvj" hceknkvku" y jgtg" cdqtkqpu" ugtxkegu" ctg" rtqxfkf" ujqwnf" dg egtvkkgf" cpf" crrtqxf" d{ "hc o kn{ " jgcnvj" fxxkukqpu" qh" o kpkvt{ " qh jgcnvj" qh" Pgrcn" cu" rgt" vjg" ewtgpv" rqnk{ " cpf" iwkfngkpgu" qh o kpkvt{ " qh" jgcnvj" dghqg" vjg{ " uvctv" rtqxfkpi" uchg" cdqtkqpu ugtxkegu"]: _0

Fkuewukqpu

Qdlgevixgu

- É Vq" hkpf" qwv" vjg" hcevq" cuuqekcvgf" ykvj" cp" kpeq o rnv g cdqtkqpu0
- É Vq" twng" qwv" vjg" eqpugswgpegu" qh" kpeq o rnv g" cdqtkqpu0
- É Vq" kfgpvk{ " vjg" rtgxgpvkxg" o gcuwtgu" qh" kpeq o rnv g" cdqtkqpu]: _0

Nqecvqpu" qh" ecug

Rcpejcfgycn" Dkpc{cm" o wpekrncv{ " ku" nqecvgf" kp" Cejjco fkuvtke" qh" Ufwftrcujejk o" rtqxfkpg" qh" Pgrcn" yjkej" hcnu" wpgf vjg" jkm{ "tgikqpu" qh" Pgrcn0" Vjku" o wpekrncv{ "ku" uwtqwpf" d{ Menkmqv" fkuvtke" kp" vjg" gcuv." Mc o c n d c | c t" kp" vjg" yguv. Tc o c t q u j c p" kp" vjg" Pqt v j" c p f" F c k n g m j" f k u v t k e v" k p" v j g" U q w v j 0" K v" k u f k x k f g f" k p v q" ;" y c t f u 0" V q n k" k u" q p g" q h" v j g o 0" V j g t g" k u" q p g" j g c n v j r q u v" n q e c v g f" k p" v j c v" y c t f" y j g t g" c p" k p e k f g p v" q h" v j k u" e c u g" j k u v q t { j c r r g p g f" J32_0

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- É Cu" kv" ku" c" ecug" jkuvt{." kv" rtqxfkf" nkvn" dcuku" hqt
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