

Pr j j ^ov lc Prpmbkaba\*Pbaf j bkq  
@lk`bkqo^qfIk A^q^ P^k Co^k`fp`l ?^v)  
@^ifcIokf^ T ^qbo Vb^o / - - 0

?v M^ri >+ ?r`e^k^k ^ka KbfH+ D^kgr

Fk`l Imbo^qfIk t fqe qeb @>ICBA ?^v\*Abiq^ Mo l do^ j ) ^ka qeb R:P+ >o j v @lomp lc  
Bkdfkbbop) P^k Co^k`fp`l Afrqof`q

A^q^ Pbofbp . . 0

R:P+ Abm^oq j bkq lc qeb Fkqbof lo  
R:P+ Dbli ldf`^i Prosbv

R+P+ Abm^oq j bkq lc qeb Fkqbof lo  
D^ib >+ K loql k) Pb`obq^ov

R+P+ Db l i l d f ` ^ i P r o s b v  
@e^oibp D+ Do l ^q) Afob`q lo

R+P+ Db l i l d f ` ^ i P r o s b v) O b p q l k) S f o d f k f ^ 7 / - - 2

C lo p ^ i b \_ v R + P + D b l i l d f ` ^ i P r o s b v) F k c l o j ^ q f l k P b o s f ` b p  
? l u / 2 / 5 3) A b k s b o C b a b o ^ i @ b k q b o  
A b k s b o j @ L 5 - / / 2

C lo j l o b f k c l o j ^ q f l k ^ \_ l r q q e b R P D P ^ k a f q p m o l a r ` q p 7  
Q b i b m e l k b 7 . \* 5 5 5 \* > P H \* R P D P  
T l o i a T f a b T b \_ 7 e q q m 7 , , t t t + r p d p + d l s ,

> k v r p b l c q o ^ a b) m o l a r ` q) l o c f o j k ^ j b p f k q e f p m r \_ i f ` ^ q f l k f p c l o a b p ` o f m q f s b m r o m l p b p l k i v ^ k a a l b p k l q f j m i v  
b k a l o p b j b k q \_ v q e b R + P + D l s b o k j b k q +

> i q e l r d e q e f p o b m l o q f p f k q e b m r \_ i f ` a l j ^ f k) m b o j f p p f l k j r p q \_ b p b ` r o b a c o l j q e b f k a f s f a r ^ i ` l m v o f d e q l t k b o p q l  
o b m o l a r ` b ^ k v ` l m v o f d e q b a j ^ q b o f ^ i p ` l k q ^ f k b a t f q e f k q e f p o b m l o q +

P r d d b p q b a ` f q ^ q f l k 7  
? r ` e ^ k ^ k) M > +) ^ k a D ^ k g r) K + H +) / - - 2) P r j j ^ o v l c P r p m b k a b a \* P b a f j b k q @ l k ` b k q o ^ q f l k A ^ q ^) P ^ k C o ^ k ` f p ` l ? ^ v)  
@ ^ i f c l o k f ^) T ^ q b o V b ^ o / - - 0 7 R + P + D b l i l d f ` ^ i P r o s b v A ^ q ^ P b o f b p . . 0) 1 3 m +

# @ I kqb kqp

|   |    |
|---|----|
| >_pqo^`q  | .  |
| Fkqo I ar`qf I k  | .  |
| Mrom I pb ^ka P` I mb   | .  |
| Pq rav >ob^   | /  |
| >`hkl t ibad j bkqp   | /  |
| J bqe I ap  | 1  |
| Fkqor j bkq Abp`ofmqf I k ^ka Lmbo^qf I k   | 1  |
| J I kfq I ofkd Pfqbp  | 4  |
| Prfpr k ?^v Fkq^ii^qf I kp  | 4  |
| P^k M^_j I ?^v Fkq^ii^qf I kp   | 4  |
| @bkqo^i P^k Co^k`fp` I ?^v Fkq^ii^qf I kp   | 4  |
| P I rqe P^k Co^k`fp` I ?^v Fkq^ii^qf I kp   | 4  |
| T ^qbo*P^ j mib @ I iib`qf I k  | 4  |
| A^q^ Mo I `b p p f k d  | 5  |
| Pbkp I o @^if_o^qf I k ^ka Pr p m b k a b a * P b a f j b k q @ I k ` b k q o ^ q f I k A ^ q ^ | 5  |
| Prfpr k ?^v   | ./ |
| J ^ii^oa Fpi^ka   | ./ |
| ?b k f ` f ^ ? o f a d b  | .3 |
| P^k M^_j I ?^v  | /- |
| @^on r f k b w ? o f a d b  | /- |
| J ^ob Fpi^ka @^r p b t ^v   | /1 |
| @e^k k b i J ^ohbo 6  | /5 |
| @bkqo^i P^k Co^k`fp` I ?^v  | 0. |
| M I f k q P^k M^_j I  | 0. |
| P I r q e P^k C o ^ k ` f p ` I ? ^ v   | 02 |
| P^k J ^q b I ? o f a d b  | 02 |
| A r j _ ^ o q I k ? o f a d b   | 05 |
| @e^k k b i J ^ohbo .4   | 1. |
| Pr j j ^ov  | 11 |
| Obcbobk`bp @fqba  | 11 |

### Cfd robp

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Cfdrob .+ J ^m pel t fkd P ^k Co ^k `fp `l ? ^v pqr av ^ob ^) @ ^ifc lokf ^ . . . . . 0
Cfdrob ./+ Af ^do ^ j pel t fkd qvmf ^ `i j l kfql ofkd fkpq ^ii ^qf l k) P ^k Co ^k `fp `l ? ^v pqr av . . . . . 2
Cfdrob 0+ Do ^mep pel t fkd bu ^ j mib lc o ^ t ^ka bafqba lmqf ^ `i a ^q ^) kb ^o ^ * _lqq l j
    pbkpl o) J ^ob Fpi ^ka @ ^rpb t ^v) P ^k M ^ _il ? ^v) @ ^ifc lokf ^) t ^qbo vb ^o / --0 . . . . . 6
Cfdrob 1+ Do ^me pel t fkd `^if_o ^qf l k lc kb ^o ^ * proc ^ `b lmqf ^ `i pbkpl o ^q J ^ii ^oa Fpi ^ka)
    Prfprk ? ^v) @ ^ifc lokf ^) t ^qbo vb ^o / --0 . . . . . .0
Cfdrob 2+ Do ^mep pel t fkd `^if_o ^qf l k lc kb ^o ^ * _lqq l j lmqf ^ `i pbkpl op)
    L `ql _bo . @Cb_or ^ov 2 ^ka Cb_or ^ov 2 @Pbmqb j _bo 0- ^q J ^ii ^oa Fpi ^ka)
    Prfprk ? ^v) @ ^ifc lokf ^) t ^qbo vb ^o / --0 . . . . . .1
Cfdrob 3+ Do ^mep pel t fkd qf j b pbof bp lc kb ^o ^ * proc ^ `b ^ka kb ^o ^ * _lqq l j prpmbkaba *
    pbaf j bkq `l k `bkqo ^qf l kp `^i `ri ^qba col j pbkpl o ob ^afkdp ^q J ^ii ^oa Fpi ^ka)
    Prfprk ? ^v) @ ^ifc lokf ^) t ^qbo vb ^o / --0 . . . . . .2
Cfdrob 4+ Do ^mep pel t fkd `^if_o ^qf l k lc kb ^o ^ * proc ^ `b lmqf ^ `i pbkpl op)
    L `ql _bo . @ J ^v (-) Griv /0 @> rdrpq /5 ^ka J ^v /- @Griv / ^q ? bkf `f ^ ? ofadb)
    Prfprk ? ^v) @ ^ifc lokf ^) t ^qbo vb ^o / --0 . . . . . .4
Cfdrob 5+ Do ^me pel t fkd `^if_o ^qf l k lc kb ^o ^ * _lqq l j lmqf ^ `i pbkpl o ^q ? bkf `f ^ ? ofadb)
    Prfprk ? ^v) @ ^ifc lokf ^) t ^qbo vb ^o / --0 . . . . . .5
Cfdrob 6+ Do ^mep pel t fkd qf j b pbof bp lc kb ^o ^ * proc ^ `b ^ka kb ^o ^ * _lqq l j prpmbkaba *
    pbaf j bkq `l k `bkqo ^qf l kp `^i `ri ^qba col j pbkpl o ob ^afkdp ^q ? bkf `f ^ ? ofadb)
    Prfprk ? ^v) @ ^ifc lokf ^) t ^qbo vb ^o / --0 . . . . . .6
Cfdrob .-+ Do ^me pel t fkd `^if_o ^qf l k lc j fa * abmqe lmqf ^ `i pbkpl o ^q @ ^on rfkbw
    ? ofadb) P ^k M ^ _il ? ^v) @ ^ifc lokf ^) t ^qbo vb ^o / --0 . . . . . / .
Cfdrob .+ Do ^mep pel t fkd `^if_o ^qf l k lc kb ^o ^ * _lqq l j lmqf ^ `i pbkpl op)
    L `ql _bo . @ Kl sb j _bo . / ^ka G ^kr ^ov /6 @Pbmqb j _bo 0- ^q @ ^on rfkbw ? ofadb)
    P ^k M ^ _il ? ^v) @ ^ifc lokf ^) t ^qbo vb ^o / --0 . . . . . //
Cfdrob ./+ Do ^mep pel t fkd qf j b pbof bp lc j fa * abmqe ^ka kb ^o ^ * _lqq l j prpmbkaba *
    pbaf j bkq `l k `bkqo ^qf l kp `^i `ri ^qba col j pbkpl o ob ^afkdp ^q @ ^on rfkbw
    ? ofadb) P ^k M ^ _il ? ^v) @ ^ifc lokf ^) t ^qbo vb ^o / --0 . . . . . /0
Cfdrob .0+ Do ^mep pel t fkd `^if_o ^qf l k lc j fa * abmqe lmqf ^ `i pbkpl op)
    L `ql _bo . @ G ^kr ^ov 4 ^ka Cb_or ^ov 1 @Pbmqb j _bo 0- ^q J ^ob Fpi ^ka
    @ ^rpb t ^v) P ^k M ^ _il ? ^v) @ ^ifc lokf ^) t ^qbo vb ^o / --0 . . . . . /2
Cfdrob .1+ Do ^mep pel t fkd `^if_o ^qf l k lc kb ^o ^ * _lqq l j lmqf ^ `i pbkpl op)
    L `ql _bo . @ > mofi .1 ^ka > mofi .1 @Pbmqb j _bo 0- ^q J ^ob Fpi ^ka @ ^rpb t ^v)
    P ^k M ^ _il ? ^v) @ ^ifc lokf ^) t ^qbo vb ^o / --0 . . . . . /3
Cfdrob .2+ Do ^mep pel t fkd qf j b pbof bp lc j fa * abmqe ^ka kb ^o ^ * _lqq l j prpmbkaba *
    pbaf j bkq `l k `bkqo ^qf l kp `^i `ri ^qba col j pbkpl o ob ^afkdp ^q J ^ob Fpi ^ka
    @ ^rpb t ^v) P ^k M ^ _il ? ^v) @ ^ifc lokf ^) t ^qbo vb ^o / --0 . . . . . /4
Cfdrob .3+ Do ^me pel t fkd `^if_o ^qf l k lc kb ^o ^ * _lqq l j lmqf ^ `i pbkpl o ^q @ e ^kkbi
    J ^ohbo 6) P ^k M ^ _il ? ^v) @ ^ifc lokf ^) t ^qbo vb ^o / --0 . . . . . /6
Cfdrob .4+ Do ^me pel t fkd qf j b pbof bp lc kb ^o ^ * _lqq l j prpmbkaba * pbaf j bkq `l k `bkqo ^qf l kp
    `^i `ri ^qba col j pbkpl o ob ^afkdp ^q @ e ^kkbi J ^ohbo 6) P ^k M ^ _il ? ^v)
    @ ^ifc lokf ^) t ^qbo vb ^o / --0 . . . . . 0-
Cfdrob .5+ Do ^mep pel t fkd `^if_o ^qf l k lc j fa * abmqe lmqf ^ `i pbkpl op)
    L `ql _bo . @Cb_or ^ov 2) > mofi 0- @Pbmqb j _bo 0- ^ka Cb_or ^ov 2 @ > mofi 0
    ^q M lfkq P ^k M ^ _il) @ bkqo ^i P ^k Co ^k `fp `l ? ^v) @ ^ifc lokf ^) t ^qbo vb ^o / --0 . . . . . 0/

```



@lksbopflk C^`qlop) A^qr j ) >\_\_obsf^qflkp)  
 ^ka >`olkv j p

| J riqmiv               | ?v    | Ql l_q^fk         |
|------------------------|-------|-------------------|
| hmbg 'hm-(             | 14-3/ | l hkkh l dsdq     |
| enns 'es(              | -2/37 | l dsdq            |
| enns odq rdbnmc 'es.r( | -2/37 | l dsdq odq rdbnmc |

Sboqf`^i `l loafk^qb fkc lo j ^qflk fp obcbobk`ba ql qeb Kloqe > j bof`^k Sboqf`^i A^qr j lc .655  
 %K>SA 55&& e lofwlkq^i `l loafk^qb fkc lo j ^qflk fp obcbobk`ba ql qeb Kloqe > j bof`^k A^qr j  
 lc .6/4 %K>A /4&+

J b^k i l t b o i l t t ^q b o % J I I T & 7 Q e b ^ s b o ^ d b l c q e b i l t b o i l t t ^q b o e b f d e q ^ \_ l s b q e b \_ l q l j )  
 f k c b b q ) l c b ^ ` e q f a ^ i a ^ v l \_ p b o s b a a r o f k d q e b K ^ q f l k ^ i Q f a ^ i A ^ q r j B m l ` e + Q e b K ^ q f l k ^ i Q f a ^ i  
 A ^ q r j B m l ` e f p q e b p m b ` f < ` . 6 \* v b ^ o m b o f l a % . 6 3 - @ 4 5 c l o s ^ i r b p d f s b k f k q e f p o b m l o q & ^ a l m q b a  
 \_ v q e b K ^ q f l k ^ i L ` b ^ k P b o s f ` b ^ p q e b l c < ` f ^ i q f j b p b d j b k q a r o f k d t e f ` e q f a b l \_ p b o s ^ q f l k p ^ o b  
 q ^ h b k ^ k a o b a r ` b a q l l \_ q ^ f k j b ^ k s ^ i r b p +

>\_\_obsf^qflkp ^ka >`olkv j p

- >A>MP      ^rql j ^qba a^q^\*mol`bppfkd pvpqb j
- A TO      @^ifc lokf^ Abm^oq j bkq lc T^qbo Obpl ro`bp
- j d,l      j fiifdo^ j mbo ifqbo
- j S      j fiifs liq
- KQR      kbmebil j bqof` qro\_fafqv r kfqp
- ME<sub>km</sub>      k l k m ^ o ^ j b q o f ` m o b a f ` q f l k f k q b o s ^ i
- O J P      o l l q \* j b ^ k \* p n r ^ o b a % b o o l o &
- PP@      p r p m b k a b a \* p b a f j b k q ` l k ` b k q o ^ q f l k
- RP@D      R + P + @ l ^ p q D r ^ o a
- RPDP      R + P + D b l i l d f ` ^ i P r o s b v
- TV      t ^ q b o v b ^ o % L ` q l \_ b o . @ P b m q b j \_ b o 0 - &

# Prjj^ovlcPrpmbkaba\*Pbafj bkq@Ik`bkqo^qfIk A^q^) P^k Co^k`fp`I ?^v) @^ifclokf^) T^qbo Vb^o / - - 0

?vM^ri >+ ?r`e^k^k ^ka KbfI H+ D^kqr

>\_pqqo^`q

Rtrodmcdc,rdchldmsbnmbdmsq`shnm c`s` v`dqdbnkdbscdchm R`m Eq`mbrbn A`x ctqhmfv`sdqxd`q 1//2 'Nbsnadq 0+ 1//1° Rdosladq 2/+ 1//2(- Noshb`krdmrnqr`mc v`sdqr`l okdr v`dq trdc sn lnmhsnq rtrodmcdc,rdchldmsbnmbdmsq`shnm `svnrhsdr hm Rthrtm A`x+ sgqdd rhdh hm R`m O`akn A`x+ nmd rhdh hm Bdmsq`k R`m Eq`mbrbn A`x+ `mc sgqdd rhdh hm Rntsg R`m Eq`mbrbn A`x- Rdmrnqr v`dq onrshnmcd `svn cdosgr `s l nrs rhdh- V`sdqr`l okdr v`dqdbnkdbscdodqhcib`kx `mc `m`kxydc enqbnmbdmsq`shnmr ne rtrodmcdc rdchldms- Sgd qdrtkr ne sgd `m`kxrdr v`dq trdc sn b`khaq`sd sgd ntsots ne sgd noshb`krdmrnqr rn sg`s` qdbnqc ne rtrodmcdc,rdchldmsbnmbdmsq`shnmr bntkc adcdqhudc- Sghr qdonqs oqdrdmsr sgd c`s` ,bnkdbshnm l dsgncr trdc `mc rtil`l`qhydr sgd rtrodmcdc,rdchldmsbnmbdmsq`shnm c`s` bnkdbscd eqn l Nbsnadq 1//1 sgqnt fg Rdosladq 1//2- B`khaq`shnm btqudr `mc oknsr ne dchsd c`s` enq d`bg rdmrnq`k`rn `qd oqdrdmsdc-

## Fkqolar`qfIk

Rdchldmsr`qd`mhlonqs`msbnlonmdms ne sgd R`m Eq`mbrbn A`x drst`qhd rxsrd l - Anssn l rdchldmsr oqnuhed g`ahs`s enq admsghb nqf`mhr l r`mc `qd` qdrdqunhq enq mtsqhdmsr sg`s bnmsqhat sd sn drst`qhd oqnc tbshuhsx 'G` l l nmc `mc nsgdqr+ 0874(- Onsdms`kx snwhb rtars`mbdr+ rtbg`r l ds`kr `mc odrshbcedr+ `crnqa sn rdchldms o`qshbkd r' J t v`a`q` `mc nsgdqr+ 0878: Cn l`f`krjh `mc J thuhk`+ 0882: Ekdf`k `mc nsgdqr+ 0885(- Admsghb nqf`mhr l r b`m hmfdrs sgd rd rtars`mbdr `mc hmsqnc tbd sgd l hmsn sgd ennc vda 'Ktn l` `mc nsgdqr+ 0874: Aqnv m`mc Ktn l` + 0884: Ktn l` + 0885(- K`qfd she`k,hmc t bdc udknbshdr `mc vhmcc v`udr hm rg`kknv v`sdq`qd b`o`akd ne qdrtrodmchmf anssn l rdchldmsr 'Onvdkk `mc nsgdqr+ 0878: Rbgndkkq` l dq+ 0885(-

Sgd sq`mronqs `mc e`sd ne rtrodmcdc rdchldmsr`qd`mhlonqs`ms e`bsnqr hm cdsdq l hmhmfv`sgd sq`mronqs `mc e`sd ne rdchldms, `rrnbh`sdcbnms` l hm`msr- Hm Rthrtm A`x+ sgd l`wh l t l rtrodmcdc,rdchldmsbnmbdmsq`shnm 'RRB( trt`kx l`qjr sgd onrshnm ne sgd stqahchsx l`wh l t l Ê` bqt b`k dbnknfih`k ynmv vgdqd rtrodmcdc rdchldmsr+ mtsqhdmsr+ ogxsnok`mjsnm+ ynnok`mjsnm+ k`qu`d` `mc itudmhd ehrg`bbt l tk`sd 'Odsdqrnm `mc nsgdqr+ 0864: @qsgtq `mc A`kk+ 0868: Jh l l dqdq+ 0881: I`rrax `mc Onvdkk+ 0883: Rbgndkkq` l dq `mc Atq` t+ 0887: Rbgndkkq` l dq+ 1//0(-

Rtrodmcdc rdchldmsr kh l hs sgd odmsq`shnm ne khfgs hmsn R`m Eq`mbrbn A`x+ vghbg`eedbsr ognsnrnxmsgdrrh `mc oql`qx ogxsnrxmsgdshb b`qanm oqnc tbshnm 'Bnk d`mc Bkndqm+ 0876: Bkndqm+ 0876+ 0885(- Rdchldmsr`k`rn edonrsh hm onqsr `mc rghoohmf bg`mmdkr+ vghbg sgd m qdpt hqd cqdc fhmf sn l`hms`hm m`uhf`shnm 'T-R- Dmuhqnm l dms`k Oqnsdbshnm @fdmbx+ 0881(- Sgd T-R- Fdnknfih`k Rtqudx 'TRFR(+ hm bnnodq`shnm vhsq sgd B@KEDC A`x,Cdks` Oqnfq` l + `mc sgd T-R- @ql x Bnqor ne Dmfhmdqr+ hr rstcxhmf sgd e`bsnqr sg`s `eedbs RRB hm R`m Eq`mbrbn A`x-

## Mroml pb ^ka P`lmb

Sghr qdonqs rtil`l`qhydr RRB c`s` bnkdbscd ax sgd TRFR hm R`m Eq`mbrbn A`x ctqhmfv`sdqxd`q 'VX( 1//2 `mc hr sgd k`sdrs hm `rdqdr a`rdc nm c`s` bnkdbscd adfhmmhmfv`hm VX 0881 'Atbg`m`m `mc Rbgndkkq` l dq+ 0884+ 0885+ 0887+ 0888: Atbg`m`m `mc nsgdqr+ 0885: Atbg`m`m `mc Qtgk+ 1//+ 1//0: `mc Atbg`m`m `mc F`mit+ 1//1+ 1//2+ 1//3(- Bnkdbshnm ne RRB c`s` hm R`m Eq`mbrbn A`x qdpthqdc cdudkno l dms ne lnmhsnqhmfv`l dsgncr `mc b`khaq`shnm sdbgmhptdr vghbg`qd oqdrdmsdc hm sghr qdonqs- RRB v`dq l nmhsnqdc `svnrhsdr hm Rthrtm A`x+ sgqdd rhdh hm R`m O`akn A`x+ nmd rhdh hm Bdmsq`k R`m Eq`mbrbn A`x+ `mc sgqdd rhdh hm Rntsg R`m Eq`mbrbn A`x- Sgd rd c`s` v`dq trdc sn gdco cdsdq l hmd sgd e`bsnqr sg`s `eedbs RRB hm R`m Eq`mbrbn A`x 'T-R- Fdnknfih`k Rtqudx+ `bbdrdc Itx 03+ 1//3(- RRB c`s` enq VX 0881 sgqnt fg 1//2 `qd`u`hk`akd eqn l sgd T-R- Fdnknfih`k Rtqudx `bbdrdc Itx 04+ 1//3(-

Pqrav >ob^

R`m Eq`mbhrbn A`x 'ehf- O( bn l oqhrdr rdudq`k l`inq rtad l a`x l dmsr: Rthrtm A`x+ R`m O`akn A`x+ Bdmsq`k R`m Eq`mbhrbn A`x 'Bdmsq`k A`x(+ `mc Rntsg R`m Eq`mbhrbn A`x 'Rntsg A`x(- hm R`m Eq`mbhrbn A`x+ shcdr `qd rd l hchtqm`k 'svn ghfg `mc svn knv shcdr odq c`x( vhsq `q`mfd ne `ants 4-4 edds 'es( hm Rthrtm A`x+ 5-4 es `s sgd Fnkcdm F`sd `mc Bdmsq`k A`x+ `mc `ants 0/ es hm Rntsg A`x- Sgd shcdr `krn enknv ` 03, c`x roqhmf, md`o bxbkd- Sxohb`k shc`k btqqdmsr q`mfd eqn l /-5 edds odq rdbnmc 'es.r( hm rg`kknv v`sdq sn l nqd sg`m 2 es.r hm cddo bg`mmdkr 'Bgdmf `mc F`qsmdq 0873: R l hsg+ 0876(- Vhmer sxohb`kx `qd rsqnmfdrs hm rt l l dq ctqhmf `esdqmnmm+ nmrngqd rd` aqddydr- L nrs oqdbhois`shnm nbttqr eqn l k`sd `tst l m sn d`qkx roqhmf+ `mc eqdrgv`sdq chrbg`qfd hmsn R`m Eq`mbhrbn A`x hr fqd`sdrs hm sgd roqhmf ctd sn qtmnee eqn l rnmv l dks- @ants 8/ odqbdms ne sgd chrbg`qfd hmsn sgd A`x hr eqn l sgd R`bq` l dmsn, R`m In`pthm Qhudq Cdk+ v ghbg cq`hmr sgd Bdmsq`k U`kkdx ne B`khenqmh` 'R l hsg+ 0876(-

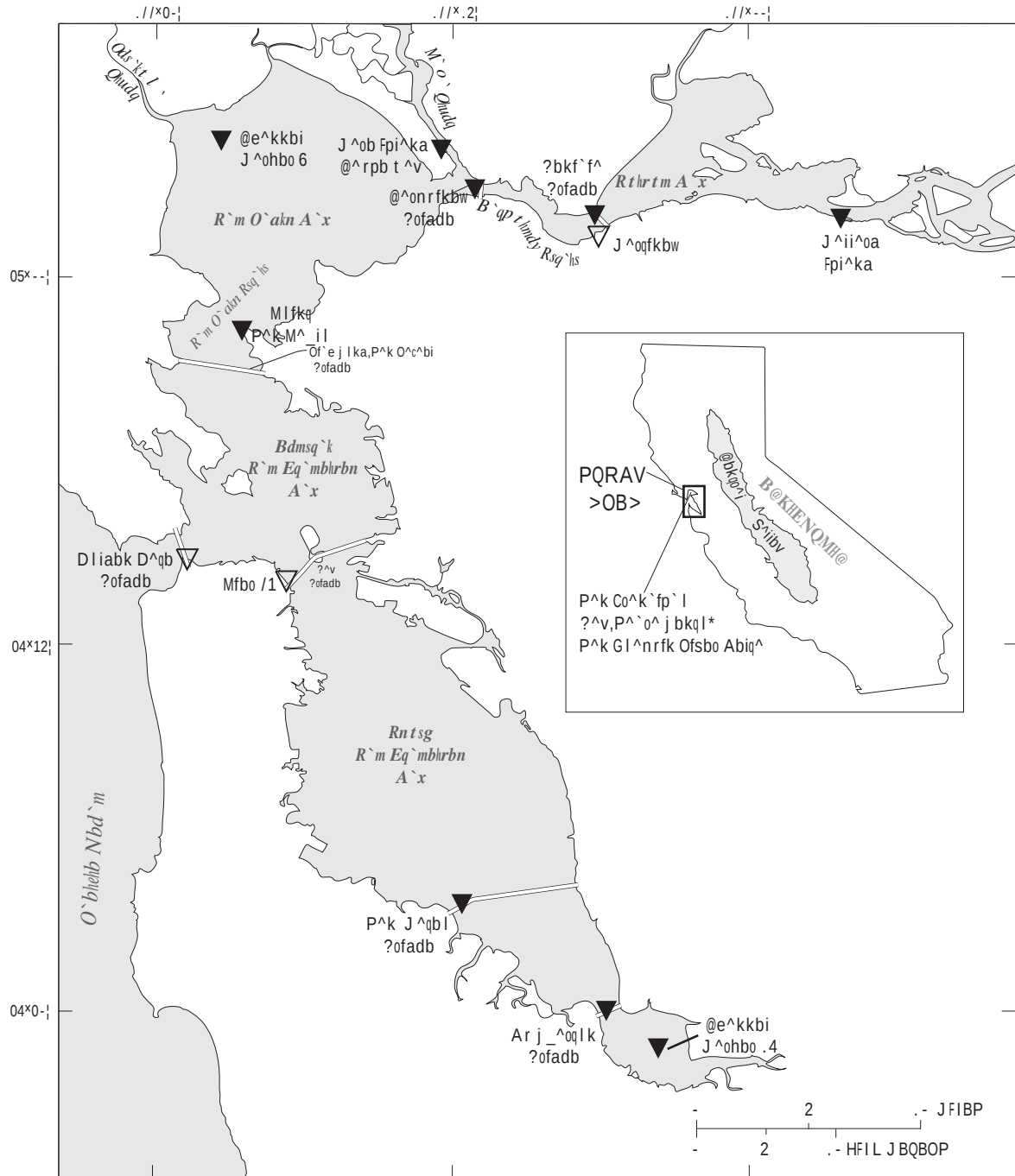
Sxohb`kx+ chrbg`qfd eqn l sgd Cdk+ bnms`hmr nudq 5/ odqbdms ne sgd egtuh`k rdch l dmsr sg`s dmsdq sgd A`x 'L b J dd `mc nsgdqr+ 1//1(+ sgnt fg sghr odqbdms` fd u`qhdr eqn l xd`q sn xd`q Ctqhmf vds vhmtdqr+ stqahc okt l dr ne v`sdq eqn l sgd Cdk+ g`ud dwsdmedc hmsn Rntsg A`x 'B`qkrnm `mc L b B tkknbg+ 0863(- Sgd ansn l rdch l dmsr hm Rntsg A`x `mc hm sgd rg`kknv v`sdq `qd`r `ants 01 es nq kdr( ne Bdmsq`k+ R`m O`akn+ `mc Rthrtm A`xr `qd bn l onrdc l nrsx ne rhksr `mc bk`xr- Rhksr `mc r`mcr `qd oqdrdms hm sgd cddodq o`qsr ne Bdmsq`k+ R`m O`akn+ `mc Rthrtm A`xr `mc hm B`qpthmdy Rsq`hs 'Bnmn l nr `mc Odsqqrnm+ 0866(-

>`hkl t ibad j bkq

Sgd `tsgnqr fq`sdetkx `bjmnavkdcfd sgd T-R- Bn`rs Ft`qc 'TRBF(+ B`khenqmh` Cdo`qs l dms ne Sq`mronqs`shnm+ B`khenqmh` Cdo`qs l dms ne V`sdq Qdrntqbdq 'CVQ(+ D@H Hmsdqm`shnm`k+ `mc sgd Bhsx ne U`kkdin enq sgdhq odq l hrrhnm `mc `rrhrs`mbd hm drs`akhrghmf sgd l nmhsnqhmf rhdtr trdc hm sghr rstex-

Sgd B@KEDC A`x.Cdk+ Oqnfq` l + TRFR Oqhnqhsx Dbnrxrsd l Rbhdmbd Oqnfq` l + `mc sgd T-R- @q l x Bnqor ne Dmfhmddqr+ `r o`qs ne sgd R`m Eq`mbhrbn Drst`qx Qdfhnm`k L nmhsnqhmf Oqnfq` l enq Sq`bd Rtars`mbdr+ rtoonqsdcbnkkdbshnm ne sgdrc c`s`-





DWOK@M@SHNM

- ▼ @lkqfkr lrp prpmbkaba\*pbaf j bkq  
`lk`bkqo`qf lk j lkq l ofkd pfgb
- ▽ Afp`lkqfkrba j lkq l ofkd pfgb

Cfdrob .+ P`k Co`k`fp`l ?`v pqrav `ob`^ @`afc lokf`^+

## J bqel ap

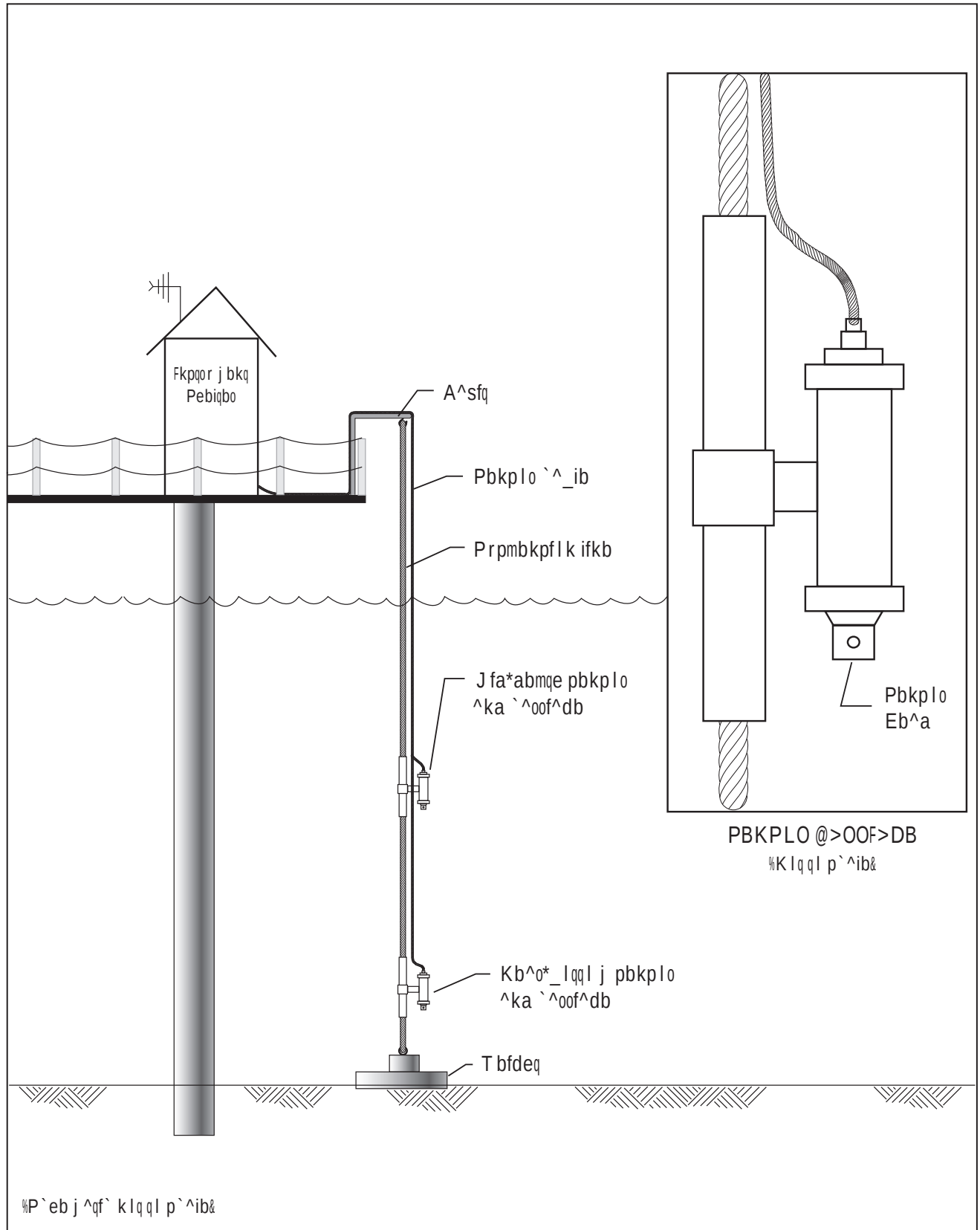
### Fkpqor j bkq Abp`ofmqf lk ^ka Lmbo^qf lk

Sgqdd cheedqoms sxodr ne noshb`k rdmrnqr v d qd trdc sn l nmhsnq RRB ctqhm f VX 1//2- Sgd ehqrs sxodr ne rdmrnqr hr l`mte`bstqdc ax C % @ Hmrsqt l dms Bn l o`mx`mc hr` b xk h m c d q`ooq n w h l`sd k x 6 h m b g d r 'h m-( k n m f`m c 0 h m- h m c h` l d s d q v h s g`m n o s h b`k v h m c n v` s n m d m c+` b`a k d b n m m d b s h n m` s s g d n s g d q d m c+`m c`m d m b`r d c b h q b t h s a n`q c- @ g h f g, h m s d m r h s x h m e q`q d c d l h s s h m f c h n c d o q n c t b d r` a d` l s g q n t f g s g d n o s h b`k v h m c n v` s g` s h r r b` s s d q d c+ n q q d e k d b s d c+ a x o`q s h b k d r s g` s`q d` a n t s /-1°01 h m- h m e q n m s n e s g d v h m c n v- @ c d s d b s n q`e n t q o g n s n c h n c d r( q d b d h u d r a` b j r b` s s d q e q n l` e h d k c n e 03/°054 c d f q d d r v g h b g h r b n m u d q s d c s n` u n k s` f d n t s o t s`m c q d b n q d c n m` r d o`q` s d c` s` k n f f d q- Sgd r d b n m c s x o d r n e r d m r n q r` l`m t e`b s t q d c a x A S F+ h r r d k e, b k d`m h m f`m c c h e e d q r e q n l` s g d C % @ H m r s q t l d m s B n l o`m x r d m r n q h m s g` s h s l d`r t q d r s g d h m s d m r h s x n e k h f g s r b` s s d q d c` s 8/ c d f q d d r a d s v d d m` k h f g s, d l h s s h m f c h n c d`m c` g h f g, r d m r h s h u h s x o g n s n c h n c d c d s d b s n q- Sgd A S F r d m r n q g`r` r d o`q` s d d k d b s q n m h b t m h s s g` s r d s r s g d q d r n k t s h n m`m c l`w h l t l q d`c h m f+ d w o q d r r d c h m m d o g d k n l d s q h b s t q a h c h s x t m h s r 'M S T(- Sgd n t s o t s e q n l` s g d d k d b s q n m h b t m h s h r q d b n q d c n m` r d o`q` s d c` s` k n f f d q- Sgd s g h q c s x o d r n e r d m r n q r` u d q r h n m r n e v g h b g`q d t r d c a x a n s g G x c q n k`a`m c X R H h m r s q t l d m s r+ l d`r t q d r s g d h m s d m r h s x n e k h f g s r b` s s d q d c` s 8/ c d f q d d r a d s v d d m` k h f g s, d l h s s h m f c h n c d`m c` g h f g, r d m r h s h u h s x o g n s n c h n c d c d s d b s n q`m c s g d n t s o t s h r o q n b d r r d c a x h m s d q m`k r n e s v`q d s n q d`c h m M S T- Sgd G x c q n k`a`m c X R H h m r s q t l d m s r`q d r d k e, b n m s`h m d c+ h m b k t c h m f`o n v d q r n t q b d`m c c` s` k n f f d q-

Noshb`k rdmrnqr v d qd onrshnm d c h m s g d v` s d q b n k t l m t r h m f o n k x u h m x k b g k n q h e d 'O U B( o h o d b`q q h` f d r b n` s d c v h s g`m`m s h e n t k`m s o`h m s s n h l o d c d a h n k n f h b`k f q n v s g- B`q q h` f d r v d q d c d r h f m d c s n`k h f m v h s g s g d c h q d b s h n m n e e k n v`m c s n q h e d`k n m f`r s`h m k d r r r s d d k n q J d u k`q, q d h m e n q b d c m x k n m r t r o d m r h n m k h m d` s s`b g d c s n`m`m b g n q v d h f g s+ v g h b g`k k n v d c r d m r n q r s n a d d`r h k x q`h r d c`m c k n v d q d c e n q r d q u h b h m f`e h f- 1(- Sgd o k`m d n e s g d n o s h b`k v h m c n v` l`h m s`h m d c`o n r h s h n m o`q`k k d k s n s g d c h q d b s h n m n e e k n v`r s g d b`q q h` f d`m c r d m r n q`k h f m d c h s r d k e v h s g s g d b g`m f h m f c h q d b s h n m n e e k n v- N o s h b`k r d m r n q c d o s g r h m s g d v` s d q b n k t l m`q d k h r s d c h m s`a k d 0-C` s`b p t h r h s h n m v`r b n m s q n k k d c a x d k d b s q n m h b c` s`k n f f d q r- Sgd k n f f d q r t r d c v h s g s g d C % @ H m r s q t l d m s B n l o`m x`m c A S F r d m r n q r v d q d o q n f q` l l d c s n o n v d q s g d n o s h b`k r d m r n q d u d q x 04 l h m t s d r+ b n k k d b s c` s`d`b g r d b n m c e n q 0 l h m t s d+ s g d m`u d q` f d`m c r s n q d s g d n t s o t s u n k s` f d e n q s g` s 0, l h m t s d o d q h n c- Sgd G x c q n k`a`m c X R H h m s d q m`k c` s`k n f f d q r b n k k d b s h m r s`m s`m d n t r u`k t d r d u d q x 04 l h m t s d r- O n v d q v`r r t o o k h d c a x 01, u n k s a` s s d q h d r-

Ahknf h b`k f q n v s g`e n t k h m f( h m s d q e d q d r v h s g s g d b n k k d b s h n m n e`b b t q` s d n o s h b`k r d m r n q c` s`- E n t k h m f f d m d q`k k x v`r f q d` s d r s n m s g d r d m r n q b k n r d r s s n s g d v` s d q r t q e`b d- G n v d u d q` s r g`k k n v d q r h s d r v g d q d s g d t o o d q r d m r n q v`r r d s 0/ e s`a n u d s g d k n v d q r d m r n q r`e n t k h m f v`r r h l h k`q n m a n s g r d m r n q r- R d k e, b k d`m h m f n o s h b`k r d m r n q r v d q d t r d c v g d q d b n m c h s h n m r`k k n v d c- C t d s n s g d c h e e h b t k s x h m r d q u h b h m f r n l d n e s g d l n m h s n q h m f r s`s h n m r+ r d m r n q r v d q d b k d`m d c l`m t`k k x d u d q x 0°4`t r t`k k x 2( v d d j r- E n t k h m f v n t k c a d f h m s n`e e d b s r d m r n q n t s o t s e q n l` l c`x r s n r d u d q`k v d d j r`e s d q b k d`m h m f+ c d o d m c h m f n m s g d k d u d k n e a h n k n f h b`k`b s h u h s x h m s g d A`x- F d m d q`k k x+ a h n k n f h b`k e n t k h m f v`r f q d` s d r s c t q h m f r o q h m f`m c r t l l d q-

Nm, r h s d b g d b j r n e r d m r n q`b b t q`b x v d q d o d q e n q l d c t r h m f s t q a h c h s x r n k t s h n m r o q d o`q d c e q n l` 3+///, m d o g d k n l d s q h b s t q a h c h s x t m h s e n q l`y h m r s`m c`q c- E n q l`y h m h r`m`p t d n t r t r o d m r h n m n e`m h m r n k t a k d o n k x l d q`m c h r s g d o q h l`q x s t q a h c h s x r s`m c`q c`F q d d m a d q f`m c n s g d q r+ 0881(- Sgd s t q a h c h s x r n k t s h n m r v d q d o q d o`q d c a x c h k t s h m f` 3+///, m d o g d k n l d s q h b s t q a h c h s x t m h s r s n b j r s`m c`q c v h s g e d, h m m h y d c v` s d q h m`b k d`m+ r d`k`a k d a t b j d s- O q d o`q d c r n k t s h n m r q`m f d c e q n l` 4/ s n 1// M S T- @s s g d e h d k c r h s d+ s g d b k d`m d c r d m r n q r v d q d h l l d q r d c h m s g d r n k t s h n m`m c s g d n t s o t s v`r q d b n q d c n m s g d r s`s h n m k n f- L n m h s n q h m f`o d q h n c n e r d m r n q o d q e n q l`m b d h m`j m n v m r s`m c`q c g d k o r s n h e d m s h e x n t s o t s e q h e s n q r d m r n q l`k e t m b s h n m-



Cfd rob /+ Qvmf`^i j l kfql ofkd fkpq^ii^qf l k) P^k Co^k`fp` l ?^v pqr av+

3 Pr j j ^ov lc Prpmbkaba\*Pbaf j bkq @lk`bkqo^qflk A^q^ P^k Co^k`fp`l ?^v) @^ifc lokf^ T ^qbo Vb^o /--0

Q^\_ib .+ Lmqf`^i pbkpl o abmqep %fk cbbq&\_bil t j b^k il t bo il t t ^qbo %J I I T &) Prfpr k ?^v) P^k M^\_il ?^v) ^ka @bkqo^i ^ka P l r qe P^k Co^k`fp`l ?^v) @^ifc lokf^ t ^qbo vb^o /--0

ZEnq cdehmlshnm ne LKKV+ rdd Bnmudqrhnm E`bsnqr+ C`st l+ @aaquh`shnmr+ `mc @bqnmx l r dmsqx `s eqnms ne sghr qdonqs\

| Pfqh                 | Pq^qflk Kl+     | l^qfgrab  | l l kdfgrab | Pbkplo abmqe                 | Abmqe _bil t J I I T   | T ^qbo abmqe ^q J I I T |
|----------------------|-----------------|-----------|-------------|------------------------------|------------------------|-------------------------|
| L`kk`qc Hrk`mc       | 00074074        | 27Û/1&23, | 010Û44&8,   | Md`q,rtqe`bd<br>Md`q,anssn l | 2-2 <sup>0</sup><br>1/ | 14                      |
| Admhbh` Aqhcfd       | 0034467/        | 27Û/1&31, | 011Û/6&21,  | Md`q,rtqe`bd<br>Md`q,anssn l | 5<br>44                | 7/                      |
| B`qpt hmdy Aqhcfd    | 0034471/        | 27Û/2&30, | 011Û02&12,  | Lhc,cdosg<br>Md`q,anssn l    | 3/<br>72               | 77                      |
| L`qd Hrk`mc B`trdv`x | 0034726/        | 27Û/5&3/, | 011Û05&14,  | Lhc,cdosg<br>Md`q,anssn l    | 04<br>14               | 2/                      |
| Bg`mmdk L`qj dq 8    | 27/4080111518/0 | 27Û/4&08, | 011Û15&18,  | Md`q,anssn l                 | 3                      | 5                       |
| Onhms R`m O`akn      | 0007025/        | 26Û46&42, | 011Û14&31,  | Lhc,cdosg<br>Md`q,anssn l    | 02<br>12               | 15                      |
| R`m L`sdn Aqhcfd     | 00051654        | 26Û24&/3, | 011Û03&48,  | Lhc,cdosg<br>Md`q,anssn l    | 08<br>3/               | 37                      |
| Ct l a`qsnm Aqhcfd   | 262/04011/60/// | 26Û2/&04, | 011Û/6&0/,  | Lhc,cdosg<br>Md`q,anssn l    | 11<br>30               | 34                      |
| Bg`mmdk L`qj dq 06   | 261733011/327// | 26Û17&33, | 011Û/3&27,  | Lhc,cdosg<br>Md`q,anssn l    | 01<br>11               | 14                      |

<sup>0</sup>Cdosg adkn v `sdq rtqe`bd-

### J l kfq l ofkd Pfqbp

#### Prfprk ?^v Fkpg^ii^qf l kp

RRB c` s` v d q d b n k k d b s d c h m R t h r t m A ` x ` s L ` k k ` q c H r k ` m c ` m c A d m h b h ` A q h c f d ' e h f - 0 + s ` a k d 0 (- N o s h b ` k r d m r n q r v d q d h m r s ` k k d c ` s s g d C V Q L ` k k ` q c H r k ` m c B n l o k h ` m b d L n m h s n q h m f R s ` s h n m n m E d a q t ` q x 7 + 0 8 8 3 - N o s h b ` k r d m r n q r v d q d o n r h s h m d c s n b n h m b h c d v h s g C V Q m d ` q , a n s s n l d k d b s q h b ` k b n m c t b s ` m b d ` m c s d l o d q ` s t q d r d m r n q r ` m c m d ` q , r t q e ` b d o t l o h m s ` j d - S g d o t l o h m s ` j d h r ` s s ` b g d c s n ` e k n ` s ` m c c q ` v r v ` s d q e q n l ` a n t s 2 e s a d k n v s g d r t q e ` b d - S g d m d ` q , r t q e ` b d n o s h b ` k r d m r n q r h r ` s s ` b g d c s n ` r d o ` q ` s d e k n ` s ` m c o n r h s h m d c ` s s g d r ` l d e d o s g ` r s g d o t l o h m s ` j d -

N o s h b ` k r d m r n q r v d q d c d o k n x d c n e e n e O h d q 6 n m s g d A d m h b h ` A q h c f d n m L ` q b g 0 4 + 0 8 8 5 - S g d A d m h b h ` A q h c f d r h s d v ` r r g t s c n v m h m V X 0 8 8 7 e n q r d h r l h b q d s q n e h s s h m f n e s g d a q h c f d ` m c v ` r q d d r s ` a k h r g d c v h s g r n m c d r d p t h o d c v h s g n o s h b ` k + b n m c t b s ` m b d + ` m c s d l o d q ` s t q d r d m r n q r n m L ` x 0 + 1 / / 0 - @ l n m h s n q h m f r h s d ` s s g d L ` q s h m d y L ` q h m ` e h r g h m f o h d q v ` r c h r b n m s h m t d c h m V X 0 8 8 5 a d b ` t r d c ` s ` e q n l s g d A d m h b h ` A q h c f d r h s d v d q d b n m r h c d q d c l n q d q d o q d r d m s ` s h u d n e R R B h m s g d B ` q p t h m d y R s q ` h s ` q d ` n e R t h r t m A ` x ' A t b g ` m ` m ` m c R b g n d k k g ` l d q : 0 8 8 7 (-

#### P^k M^\_i l ?^v Fkpg^ii^qf l kp

RRB c` s` v d q d b n k k d b s d c h m B ` q p t h m d y R s q ` h s ` s B ` q p t h m d y A q h c f d + M ` o ` Q h u d q ` s L ` q d H r k ` m c B ` t r d v ` x + ` m c R ` m O ` a k n A ` x ` s B g ` m m d k L ` q j d q 8 ' e h f - 0 + s ` a k d 0 (- R n m c d r v h s g n o s h b ` k + b n m c t b s ` m b d + ` m c s d l o d q ` s t q d r d m r n q r v d q d c d o k n x d c n e e s g d b d m s d q o h d q r s q t b t s t q d ` s B ` q p t h m d y A q h c f d n m @ o q h k 1 0 + 0 8 8 7 - N o s h b ` k r d m r n q r v d q d c d o k n x d c n e e ` b ` s v ` k j a d m d ` s g L ` q d H r k ` m c B ` t r d v ` x n m N b s n a d q 0 + 0 8 8 7 - @ r n m c d v h s g n o s h b ` k + b n m c t b s ` m b d + ` m c s d l o d q ` s t q d r d m r n q r v ` r c d o k n x d c n e e n e T R B F B g ` m m d k L ` q j d q 8 n m M n u d l a d q 0 1 + 0 8 8 7 -

#### @b k q o ^ i P ^ k C o ^ k ` f p ` l ? ^ v F k p q ^ i i ^ q f l k p

RRB c` s` v d q d b n k k d b s d c h m R ` m O ` a k n R s q ` h s ` s O n h m s R ` m O ` a k n ' e h f - 0 + s ` a k d 0 (- N o s h b ` k r d m r n q r v d q d c d o k n x d c ` s R ` m O ` a k n R s q ` h s n m s g d m n q s g d q m d m c n e s g d Q i b g l n m c S d q l h m ` k m n - 3 o h d q n m s g d v d r s d q m r h e d n e O n h m s R ` m O ` a k n n m C d b d l a d q 0 + 0 8 8 1 - S g d r s ` s h n m ` s O n h m s R ` m O ` a k n v ` r r g t s c n v m n m I ` m t ` q x 1 + 1 / / 0 + ` m c q d d r s ` a k h r g d c n m C d b d l a d q 0 0 + 1 / / 0 + n e e ` o h d q , ` c i ` b d m s r s q t b t s t q d ` o o q n w h l ` s d k x 1 4 e s e q n l s g d o q d u h n t r c d o k n x l d m s r h s d - @ l n m h s n q h m f r s ` s h n m ` s R ` m E q ` m b h r b n A ` x ` s O h d q 1 3 v ` r c h r b n m s h m t d c n m I ` m t ` q x 2 + 1 / / 1 - S g d T R F R ` r r t l d c n o d q ` s h n m n e s g d r d r s ` s h n m r e q n l C V Q h m N b s n a d q 0 8 7 8 ' b n k k d b s h m n e b n m c t b s h u h s x ` m c s d l o d q ` s t q d c ` s ` v ` r b n n o d q ` s h u d k x e t m e d c a x C V Q ` m c s g d T R F R (- @ l n m h s n q h m f r s ` s h n m ` s s g d r n t s g s n v d q n e s g d F n k e d m F ` s d A q h c f d v ` r n o d q ` s h n m ` k c t q h m f v ` s d q x d ` q r 0 8 8 5 ` m c 0 8 8 6 - B n m c t b s h u h s x ` m c s d l o d q ` s t q d c ` s ` b n k k d b s d c ` s O n h m s R ` m O ` a k n ` m c O h d q 1 3 o q h n q s n N b s n a d q 0 + 0 8 7 8 + b ` m a d n a s ` h m d c e q n l C V Q -

#### P l r q e P ^ k C o ^ k ` f p ` l ? ^ v F k p q ^ i i ^ q f l k p

RRB c` s` v d q d b n k k d b s d c h m R n t s g R ` m E q ` m b h r b n A ` x ` s R ` m L ` s d n A q h c f d + C t l a ` q s n m A q h c f d + ` m c T R B F B g ` m m d k L ` q j d q 0 6 ' e h f - 0 + s ` a k d 0 (- N o s h b ` k r d m r n q r v d q d c d o k n x d c n e e n e O h d q 1 / n m s g d R ` m L ` s d n A q h c f d + n m s g d d ` r s r h e d n e s g d r g h o b g ` m m d k + n m C d b d l a d q 1 2 + 0 8 8 0 - H m ` c e h s h m s n R R B + r o d b h e h b b n m c t b s ` m b d ` m c s d l o d q ` s t q d ' b n n o d q ` s h u d k x e t m e d c a x C V Q ` m c s g d T R F R ( v d q d l n m h s n q d c ` s m d ` q , a n s s n l ` m c m d ` q , r t q e ` b d c d o s g r ` s R ` m L ` s d n A q h c f d - S g d T R F R ` r r t l d c n o d q ` s h n m n e s g h r r s ` s h n m e q n l C V Q h m N b s n a d q 0 8 7 8 - B n m c t b s h u h s x ` m c s d l o d q ` s t q d c ` s ` b n k k d b s d c ` s R ` m L ` s d n A q h c f d o q h n q s n N b s n a d q 0 + 0 8 7 8 - b ` m a d n a s ` h m d c e q n l C V Q - N o s h b ` k r d m r n q r v d q d c d o k n x d c n e e n e O h d q 1 2 n m s g d C t l a ` q s n m A q h c f d n m s g d v d r s r h e d n e s g d r g h o b g ` m m d k n m N b s n a d q 1 0 + 0 8 8 1 - N o s h b ` k r d m r n q r v d q d c d o k n x d c ` s T R B F B g ` m m d k L ` q j d q 0 6 n m E d a q t ` q x 1 5 + 0 8 8 1 -

#### T ^ q b o \* P ^ j m i b @ l i i b ` q f l k

V ` s d q r ` l o k d r + t r d c s n b ` k h a q ` s d s g d u n k ` f d n t s o t s n e s g d n o s h b ` k r d m r n q r s n R R B + v d q d b n k k d b s d c t r h m f ` g n q h y n m s ` k k x o n r h s h m d c l n c h e h d c U ` m C n q m r ` l o k d q a d e n q d ` m c ` e s d q s g d r d m r n q r v d q d b k d ` m d c - S g d U ` m C n q m r ` l o k d q h r ` o k ` r s h b s t a d v h s g q t a a d q r s n o o d q r ` s d ` b g d m c s g ` s r m ` o r g t s v g d m s q h f f d q d c a x ` r l ` k k v d h f g s c q n o o d c c n v m ` t r o d m r h m b ` a k d - S g d U ` m C n q m r ` l o k d q v ` r k n v d q d c s n s g d c d o s g n e s g d r d m r n q r a x ` q d d k ` m c b q ` m d ` r r d l a k x ` m c s q h f f d q d c v g h k d s g d r d m r n q r v ` r b n k k d b s h m f c ` s ` - @ e s d q b n k k d b s h m + s g d v ` s d q r ` l o k d v ` r l ` q j d c e n q h e d m s h e h b ` s h n m ` m c o k ` b d c h m ` b n m s ` h m d q e n q s q ` m r o n q s - S g d R R B n e v ` s d q r ` l o k d r b n k k d b s d c v h s g ` l n c h e h d c U ` m C n q m r ` l o k d q ` m c ` 0 , 6 1 o n h m s r ` l o k d q : t r d c t m s h k V X 0 8 8 3 + v d q d u h q s t ` k k x h e d m s h b ` k ' A t b g ` m ` m ` m c n s g d q r + 0 8 8 5 (-

R`l okdr v d qd rdms sn sgd TRFR Rdch l dms K`anq`snqx hm L`qhm`+ B`khenqmh`+ enq`m`kxrhr ne RRB- Rtrodmcdc rdch l dms hmbktcdr`kk o`qshbkd r hm sgd r`l okd sg`s en mns o`rr sgqntfg` /-34, l hbqn l dsdq l d l aq`md ehksdq- Rtrodmcdc, rdch l dms bnmbdmsq`shnmr v d qd qdedqdc sn`r rtrodmcdc, rnkhr bnmbdmsq`shnm hm oqduhnr qdonqr 'Atbg`m`m`mc Rbgndkkg` l dq+ 0884+ 0885+ 0887+ 0888: Atbg`m`m`mc nsgdqr+ 0885: `mc Atbg`m`m`mc Qtgk+ 1///+ 1//0(- Sgd`m`kxshb`k l dsgnc trdc sn pt`mshex bnmbdmsq`shnmr ne rtrodmcdc rnkhr, og`rd l`sdq`k chc mns bg`mfd ats sgd mn l dmbk`stq trdc sn cdrbqhad rdch l dms c`s` chc bg`mfd 'Fq`x`mc nsgdqr+ 1///(- V`sdq r`l okdr bnkdbdsc enq sghr rstcx v d qd`m`kxydc enq rtrodmcdc, rdch l dms bnmbdmsq`shnm ax ehksdqhm r`l okdr sgqntfg` oqds`qdc /-34, l hbqn l dsdq l d l aq`md ehksdq- Sgd ehksq`sd v`r qhmrde v hsg cd, hnmhydc v`sdq sn qd l nud r`ksr+ `mc sgd hmrnkt akd l`sdq`k`mc ehksdq v d qd cqhdsc`s 0/2ÜB`mc v dhfgdc 'Ehrg l`m`mc Eqhdsc l`m+ 0878(-

A^q^ Mol`bppfkd

C`s`knffdq rsnqdc sgd unks`fd ntsotsr eqn l sgd noshb`k rdmrnr`s 04, l hmtsd hmsdq`kr '85 c`s` onhmsr odq c`x(- Qdbnqdc c`s` v d qd cn vmkn`cdc eqn l sgd c`s`knffdq nmsn dhsdq`rsnq`fd l nctkd nq`k osno bn l otsdq ctqhm rhd uhrhr- Q`v c`s`eqn l sgd rsnq`fd l nctkdr nq`k osno bn l otsdq v d qd kn`cdc hmsn sgd TRFR`tsn l`sdsc c`s`, oqnbdrhm r xrsd l`@C@OR(-

Sgd sh l d, rdqhd c`s`v d qd qdsqhdudc eqn l @C@OR`mc dchsdc trhmf L@SK@A rnesv`qd sn qd l nud hmu`khc c`s`- Hmu`khc c`s`hmbktcdc q`ohcck hmbqd`rhmf unks`fd ntsotsr`mc tmtrt`kkx ghfg unks`fd ntsotsr ne rgnqs ctq`shnm- @r ahnkfnhb`k fqnvsg`bbt l tk`sdsc nm sgd noshb`k rdmrnr+ sgd unks`fd ntsots ne sgd rdmrnr hmbqd`rdc`dwbdos enq sgd Gxcqk`akr noshb`k rdmrnr nts, ots+ v ghbg cdbqd`rdc(- @m dw`l okd sh l d rdqhd ne q`v`mc dchsdsc noshb`k rdmrnr c`s`hr oqdrdmsdc hm ehftqd 2- @esdq rdmrnr v d qd bkd`mdc+ rdmrnr ntsots h l l dch`sdck cdbqd`rdc`ehf- 2@9 L`x 5+ 2/+ Itmd 06+ `mc Itkx 7(- Deenqr sn bnqqdbs enq ahnentkxmf oqndc sn ad tmrtbdrretk adb`trd sgd rhfm`k nesdm v`r ghfgkx u`qh`akd- Sgtr+ c`s`eedbsdc ax ahnentkxmf nesdm v d qd tmtr`akd`mc v d qd qd l nudc eqn l sgd qdbnqc`ehf- 2A(- Hcdmshexhm sgd onhms`s v ghbg entkxmf adfhmr sn`eedbs noshb`k rdmrnr c`s`hr rn l d, v g`s rtaidbshud- Hmchb`snqr`qd trdc sn gdko cdehmd sgd onhms`s v ghbg entkxmf adfhmr sn`s`jd ok`bd rtbg`r`m dku`sdsc a`rdkhd+ hmbqd`rhmfkx u`qh`akd rhfm`k+ `mc bn l o`qhrnmr v hsg sgd nsgdq rdmrnr`s sgd rhd- Rohjdr hm sgd c`s`+ v ghbg`qd`mn l`knt r kx ghfg unks`fdr oqna`akx b`trdc ax cdaqhr sd l onq`qkx v q`oode`qntmc sgd rdmrnr nq ax k`qfd l`qhmd nq`mhr l r`ehrg+ bq`ar( nm nq md`q sgd rdmrnr`krn v d qd qd l nudc eqn l sgd q`v c`s`qdbnqc`ehf- 2A(- Rn l dsh l dr+ hmbn l okdsd bkd`mhmf ne`rdmrnr v ntkc b`trd`r l`kk+ bnms`ms rghes hm rdmrnr ntsots sg`s bntkc ad bnqqdbsdc trhmf v`sdq, r`l okd c`s`-

Pbkplo @^if\_o^qf lk ^ka Prpmbkaba\*Pbaf j bkq @lk`bkqo^qf lk A^q^

Sgd ntsots enq sgd sqdd xodr ne rdmrnr trdc enq sghr rstcx`qd oqnonqshnm`k sn sgd RRB hm sgd v`sdq bnkt l m`s sgd cdosg ne sgd rdmrnr- RRB b`kbt`k`sdsc eqn l sgd ntsots ne rhcd, ax, rhcd rdmrnr v hsg cheedqms hmrsqt l dms cdrhfmr 'ASF`mc C % @ hmrsqt l dms Bn l o`mx( v d qd uhqt`kkx hcdmshb`k 'Atbg`m`m`mc Rbgndkkg` l dq+ 0887(- B`khaq`shnm ne sgd rdmrnr ntsots sn RRB v hkk u`qx`bbnqchmf sn sgd rhyd`mc noshb`k oqnodqshdr ne sgd rtrodmcdc rdch l dms: sgdqdenqd+ sgd rdmrnr l trs ad b`khaq`sdsc trhmf rtrodmcdc l`sdq`k eqn l sgd ehdkc 'Kdudrptd`mc Rbgndkkg` l dq+ 0884(-

Sgd ntsots eqn l sgd noshb`k rdmrnr v`r bnudqsdsc sn RRB ax khmd`q qdfqdrhnm trhmf sgd qnatsr+ mmo`q`l dsqhb+ qdod`sdsc l dch`m l dsgnc 'Rhd fdk+ 0871(- Hm`cchshnm+ sgd oqdcshshnm hmsdq`k`mc sgd 84, oqdbdms bnmechdmbd hmsdq`k v d qd b`kbt`k`sdsc`mc oqdrdmsdc enq d`bg b`khaq`shnm dpt`shnm-

Sgd qdod`sdsc l dch`m l dsgnc b`kbt`k`sdr sgd rknod hm`sv n, o`qs oqnbdr- Ehqrs+ enq d`bg onhms 'W+X( +sgd l dch`m ne`kk onrrhkd @onhms h, sn @onhms i, rknodr v`r b`kbt`k`sdsc

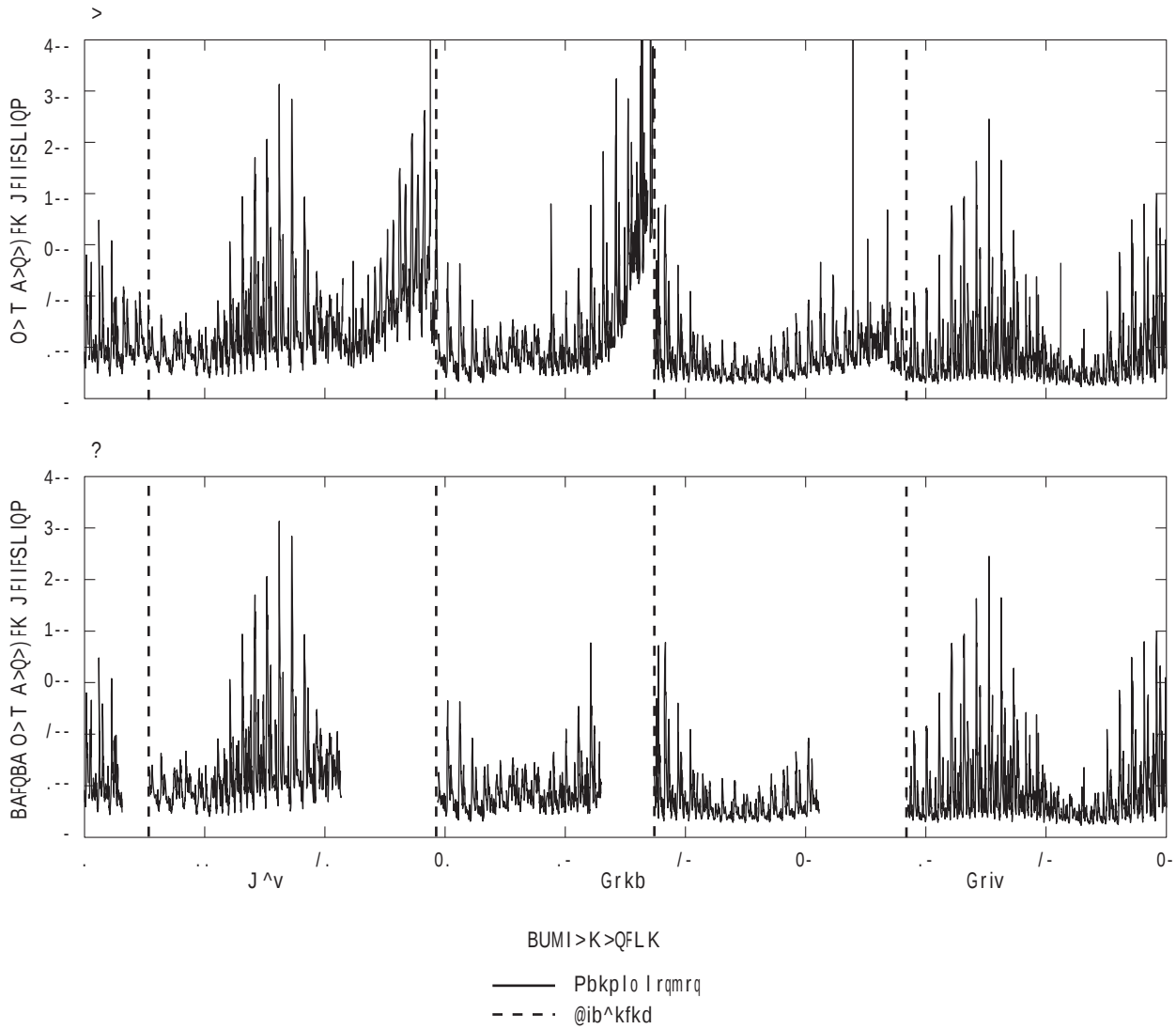
$$\delta_h < l dch`m \frac{+X_i \circ X_h}{+W_i \circ W_h}, \text{ enq `kk } i \notin h \tag{0}$$

Sgd b`khaq`shnm rknod v`r b`kbt`k`sdsc`r sgd l dch`m ne h

$$rknod < \delta_0 < l dch`m + \delta_h, \tag{1}$$

Ehm`kx+ sgd b`khaq`shnm hmsdqbdos v`r b`kbt`k`sdsc`r sgd l dch`m ne`kk onrrhkd hmsdqbdosr trhmf sgd rknod b`kbt`k`sdsc`anud

$$hmsdqbdos < \delta_j < l dch`m + X_h \circ \delta_0 W_h, \tag{2}$$



Cfdrob O+ Bu^ j mib lc%>&o^ t ^ka %?& bafqba lmqf`^i a^q^ kb^o\*\_lqq l j pbklp) J ^ob Fpi^ka @^rpb t ^v) P^k M^\_il ?^v)  
 @^ifc lokf^ t ^qbo vb^o /--O+

. - Pr j j ^ov lc Prpmbkaba\*Pbaf j bkq @lk`bkq^qf lk A^q^ P^k Co^k`fp`l ?^v) @^ifc lokf^ T ^qbo Vb^o /--0

Sgd ehm`k khmd`q b`khaq`shnm dpt`shnm hr

$$X < \delta_0 W * \delta, \tag{3}$$

Sgd mmo`q`l dsqhb oqdchbshnm hmsdqu`k 'OH<sub>mo</sub> ('Gdkrdk`mc Ghqrbg+ 0881+ o- 65( hr`bnmrs`ms, vhsqg dqqnq a`mc sg`s bnms`hmr`ants 57 odqbdms+ nq nmd rs`mc`qc cdul`shnm+ ne sgd b`khaq`shnm c`s`rds- Sgd 57, odqbdms u`kt d v`r rdkdbsdc adb`trd drrdmsh`kx hs g`r sgd r`l d dqqnq oqdchbshnm kh l hsr`r sgd qnns, l d`m, rpt`qdc 'QLR( dqqnq ne oqdchbshnm hm nqchm`qx kd`rs rpt`qdc qdfqdrhnm: sgd k`ssdq v`r trdc hm oquhnt r c`s`qdonqsr 'Atbg`m`m`mc Rbgndkkg`l dq 0884+ 0885+ 0887+ 0888: Atbg`m`m`mc nsgdqr+ 0885( sn`m`kxyd q`mcn l rdsr ne mnq l`kkx chrsqhat sdc c`s`- Sgd oqdchbshnm hmsdqu`k cdrbqhadr sgd khjdkhgnc sg`s`mdv nardqu`shnm bn l dr eqn l sgd r`l d chrsqhat shnm`r sgd oquhnt r kx bnkkdbsdc c`s`rds-

Sgd OH<sub>mo</sub>+ tmkhjd sgd QLR dqqnq ne oqdchbshnm+ eqdpt dmskx hr mns rx l l dsqhb`k`ants sgd qdfqdrhnm khmd- Enq dw`l okd+ sgd OH<sub>mo</sub> l`x ad qdonqsd`r \*0/ l hkkhfq`l r odq khisdq`l f.K(`mc Ø6 l f.K- Sghr`rx l l dsqx`ants sgd qdfqdrhnm khmd hr`qdr tks ne sgd chrsqhat shnm ne sgd c`s`rds- Sgd OH<sub>mo</sub> hr b`kbt k`sd ax bn l otshmf`mc rnqshmf+ eqn l kd`rs sn fqd`sdrs+ sgd qdrhc t`kr enq d`bg onhms- Sgdm+ a`rdc nm sgd rnqsd`khrs ne qdrhc t`kr9

$$\text{mmo`q`l dsqhb oqdchbshnm hmsdqu`k} < OH_{mo} < \mathbb{X}_{\frac{\gamma}{\delta} | \gamma + m * 0}, \text{ sn } \mathbb{X}_{\frac{1_0 \cdot \gamma}{\delta} | \gamma + m * 0}, \tag{4}$$

v gddq

- X hr sgd qdrhc t`k u`kt d+
- m hr sgd mt l adq ne c`s`onhmsr+`mc
- γ hr sgd bnmechdbmd kudk ne /-57-

Sn b`kbt k`sd sgd bnmechdbmd hmsdqu`k`kk onrrhakd onhms, sn, onhms rkno dr l trs ad rnqsd`hm`rbdmchmf nqcdq- A`rdc nm sgd bnmechdbmd hmsdqu`k cdrhqd+ 84, odqbdms enq sgd otqonrd r ne sghr qdonqs+ sgd q`mjr ne sgd toodq`mc knvdq antmcr`qd b`kbt k`sd`r enkn v r9

$$Qt < \frac{m+m \circ 0,}{1} * 0.85 \sqrt{\frac{m+m \circ 0, + 1 m * 4,}{07}} * 0+`mc \tag{5}$$

$$Qk < \frac{m+m \circ 0,}{1} \circ 0.85 \sqrt{\frac{m+m \circ 0, + 1 m * 4,}{07}} \tag{6}$$

v gddq

- Qt hr sgd q`mj ne sgd toodq antmcrknod+
- Qk hr sgd q`mj ne sgd knvdq antmcrknod+`mc
- m hr sgd mt l adq ne r`l okdr-

Sn drs`akhrq sgd 84, odqbdms bnmechdbmd hmsdqu`k+ sgd q`mjr b`kbt k`sd`anud`qd qntmedc sn sgd md`qdrs hmsdfdq`mc sgd rkno d`rrnbh`sd vhsq d`bg q`mj hm sgd rnqsd`khrs hr hcdmshehdc- Sghr hr`k`qfd, r`l okd`ooqnw l`shnm`mc v`r trdc enq d`bg ne sgd bnmech, cdmbd hmsdqu`kr oqdrdmsdc hm sghr qdonqs- Gnvdudq+ hm sgd dudms sg`s edvdq sg`m 0/ r`l okdr g`c addm bnkkdbsdc+`chqds b`kbt k`shnm bntk ad odqenq l dc trhmf sgd l dsgncnknfx oqdrdmsdc hm Gdkrdk`mc Ghqrbg '0881+ o- 162°163(-

@ rs`shrsb`k rt l l`qx ne sgd RRB+ b`kbt k`sd`eqn l noshb`k rdmrnq c`s`+ hr oqdrdmsdc hm s`akd 1- Sgd tr`akd odqbdms`fd ne`bn l okdsd xd`q ne u`khc c`s`'85 c`s`onhmsr odq c`x Δ 254 c`xr( enq d`bg rhsd hr oqdrdmsdc hm s`akd 1-

Sghr rdbshnm ne sgd qdonqs`k rn hmbkt cdr sgd qnatsr qdfqdrhnm 'b`khaq`shnm( ehf tqdr enq noshb`k rdmrnq ntsots udqtr r RRB`hm l hkkhfq`l r odq khisdq(- Sgd b`khaq`shnm ehf tqdr hmbkt cd sgd mt l adq ne v`sdq r`l okdr`kk v`sdq r`l okdr trdc sn cdudkno b`kh, aq`shnm+ hmbktchmf sgnrd eqn l oquhnt r v`sdq xd`qr(+ sgd b`kbt k`sd`khmd`q bnqdk`shnm dpt`shnm+ sgd mmo`q`l dsqhb oqdchbshnm hmsdqu`k`rgn v m nm sgd b`khaq`shnm ehf tqdr`r`f qdx a`mc(+`mc sgd 84, odqbdms bnmechdbmd hmsdqu`k`rgn v m nm sgd b`khaq`shnm ehf tqdr`r`c`rg, cns khmd(- Hm`cchshnm+ sgd sh l d, rdqidr oknsr ne b`kbt k`sd`RRB c`s``qd rgn v m enq d`bg rhsd-



Q^\_ib /+Pq^qf^i pr j j ^ov lc `^i` ri^qba prpmbkaba\*pbafjbkq `Ik`bkqo^qfIk a^q^ ^ka rp^\_ib mbo`bkq^db lc `^ l j mibqb vb^o lc s^ifa a^q^ %63 a^q^ mlfkqp mbo a^v u 032 a^vp& `liib`qba rpfkd lmqf`^i pbkplop) Prfprk ?^v) P^k M^\_il ?^v) ^ka @bkqo^i ^ka Plrqe P^k Co^k\* `fp`l ?^vp) @^ifc lokf^ t ^qbo vb^o /--0

Z@kk u`kt dr `qd hm l hkkhfq` l r odq khqdq dwbdos odqbdms `khc c`s` - Knvdq pt`qshkd hr 14sg odqbdmshkd: toodq pt`qshkd hr 64sg odqbdmshkd\

| Pfqb                 | Abmqe        | Jb^k | Jbaf^k | l l t bo nr^oqfib | Rmbo nr^oqfib | Mbo`bkq s^ifa a^q^ |
|----------------------|--------------|------|--------|-------------------|---------------|--------------------|
| L`kk`qc Hrk`mc       | Md`q,rtqe`bd | 27   | 22     | 17                | 31            | 45                 |
|                      | Md`q,anssn l | 37   | 30     | 20                | 45            | 47                 |
| Admlhbh` Aqhcfd      | Md`q,rtqe`bd | 3/   | 18     | 06                | 41            | 5/                 |
|                      | Md`q,anssn l | 75   | 63     | 35                | 001           | 50                 |
| B`qpthmdy Aqhcfd     | Lhc,cdosg    | 20   | 10     | 02                | 27            | 75                 |
|                      | Md`q,anssn l | 70   | 48     | 18                | 0/6           | 51                 |
| L`qd Hrk`mc B`trdv`x | Lhc,cdosg    | 6/   | 42     | 18                | 78            | 48                 |
|                      | Md`q,anssn l | 003  | 75     | 41                | 036           | 60                 |
| Bg`mmdk L`qjdq 8     | Md`q,anssn l | 021  | 52     | 21                | 05/           | 62                 |
| Onhms R`m O`akn      | Lhc,cdosg    | 16   | 1/     | 03                | 20            | 3/                 |
|                      | Md`q,anssn l | 51   | 33     | 2/                | 63            | 41                 |
| R`m L`sdn Aqhcfd     | Lhc,cdosg    | 33   | 25     | 16                | 4/            | 15                 |
|                      | Md`q,anssn l | 40   | 3/     | 17                | 51            | 20                 |
| Ct l a`qsnm Aqhcfd   | Lhc,cdosg    | 45   | 34     | 20                | 53            | 22                 |
|                      | Md`q,anssn l | 65   | 48     | 25                | 80            | 36                 |
| Bg`mmdk L`qjdq 06    | Lhc,cdosg    | 61   | 42     | 18                | 80            | 21                 |
|                      | Md`q,anssn l | 72   | 44     | 20                | 0/1           | 21                 |

. / Pr j j ^ov lc Prpmbkaba\*Pbaf j bkq @lk`bkqo^qf lk A^q^ P^k Co^k`fp`l ?^v) @^ifc lokf^ T ^qbo Vb^o /--0

Prfprk ?^v

J ^ii^0a Fpi^ka

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MD@Q,ANSSNL RDMRNQ '@(9 Nbsnadq 0+ 1//1+ sn Edaqt`qx 4+ 1//2 'ehf- 4@(-

MD@Q,ANSSNL RDMRNQ 'A(9 Edaqt`qx 4+ 1//2+ sgqnt fg VX 1//2 'ehf- 4A(-

MTLADQ NE C@S@ ONHMSR 'V@SDQ R@LOKDR( TRDC ENQ B@KHAQ@SHNM-Ê

MD@Q,RTQE@BD RDMRNQ<sup>9</sup> 07 '07 eqn l VX 1//2(-

MD@Q,ANSSNL RDMRNQ'@(9 070 '4 eqn l VX 1//2(-

MD@Q,ANSSNL RDMRNQ'A(9 6 '4 eqn l VX 1//2(-

B@KBTk@SDC KHMD@Q BNQQDK@SHNM DPT@SHNM-Ê

MD@Q,RTQE@BD RDMRNQ<sup>9</sup> RRB < /-206 i l hkkhunks ' l U( \* 4-1-

MD@Q,ANSSNL RDMRNQ'@(9 RRB < /-388 i l U Ø 7-5-

MD@Q,ANSSNL RDMRNQ'A(9 RRB < /-312 i l U \* 40-0-

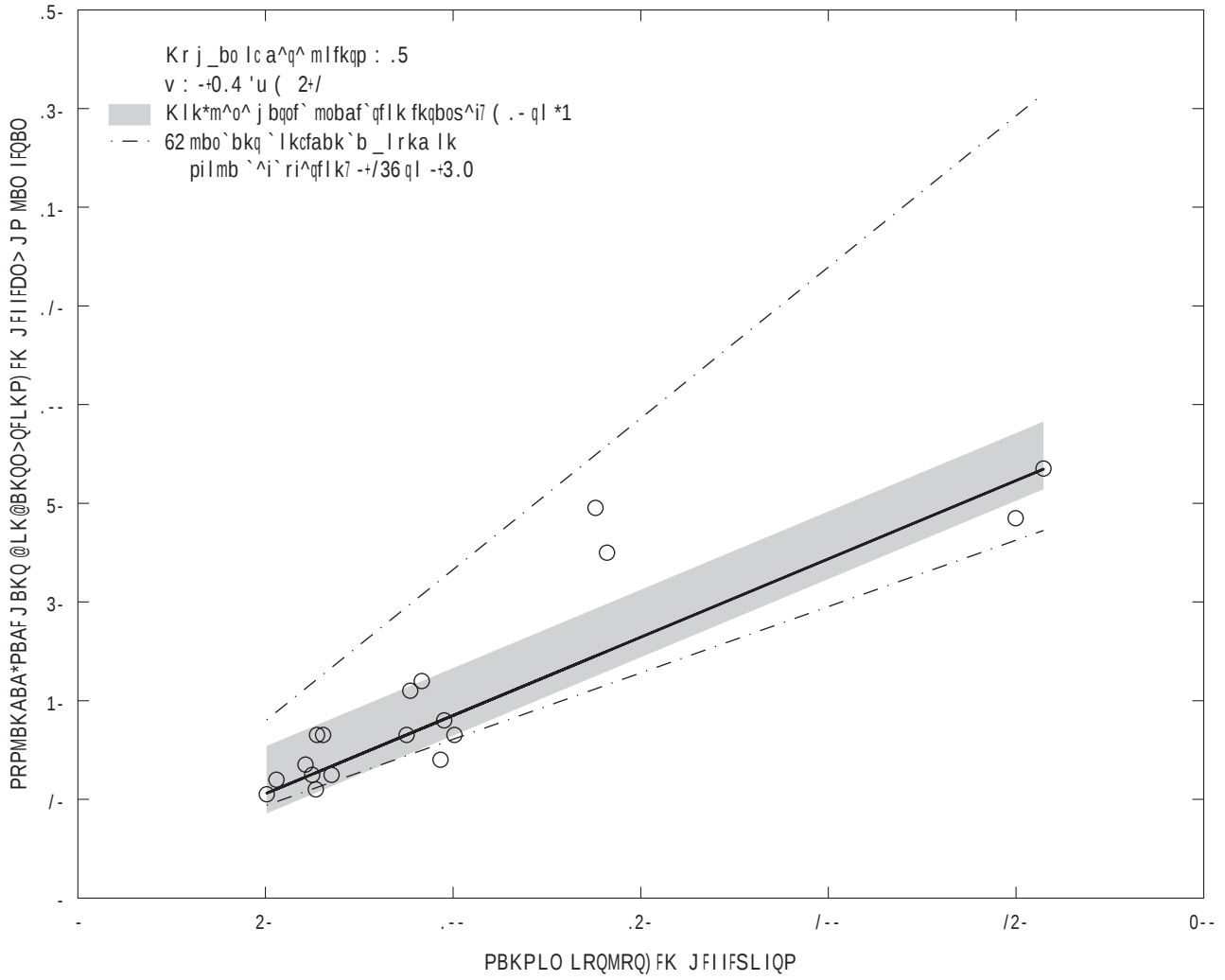
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MD@Q,RTQE@BD RDMRNQ<sup>9</sup> \*0/ sn Ø3 l f.K-

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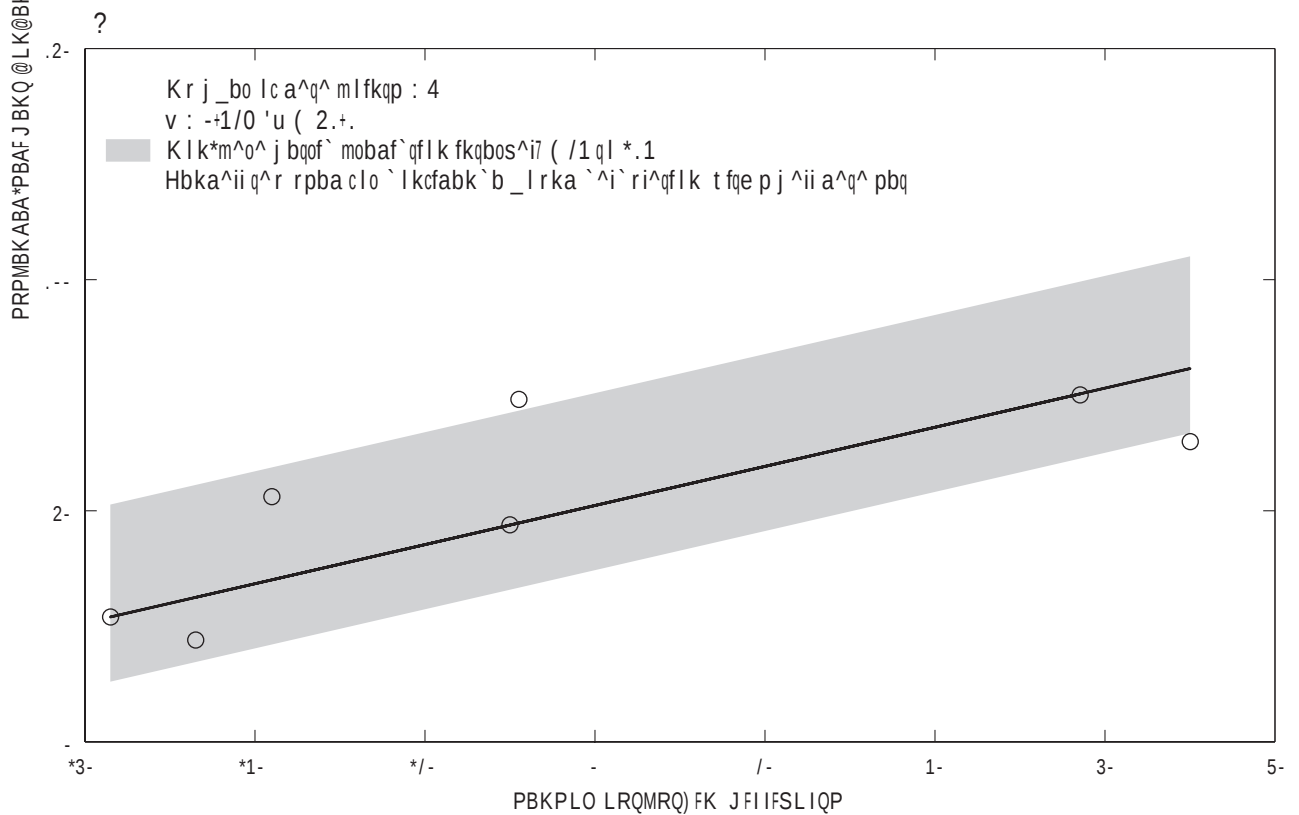
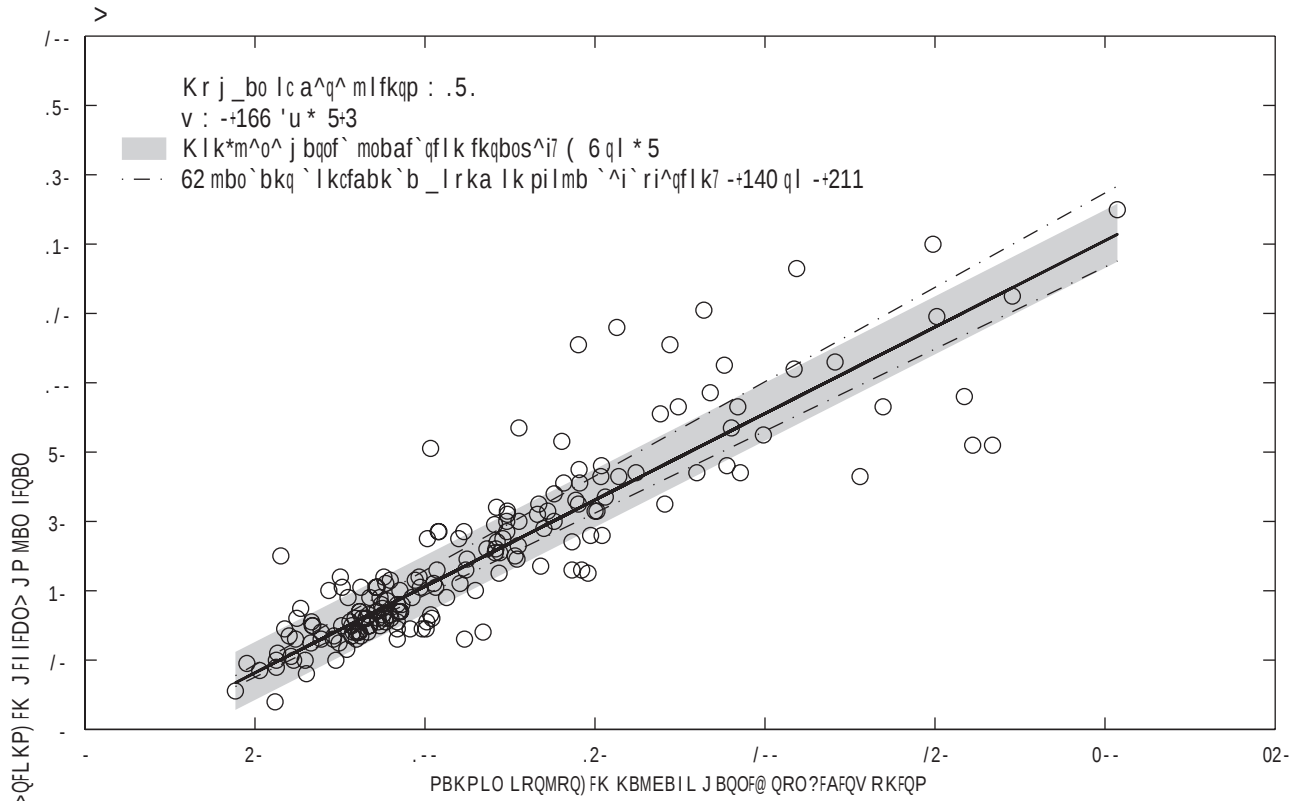
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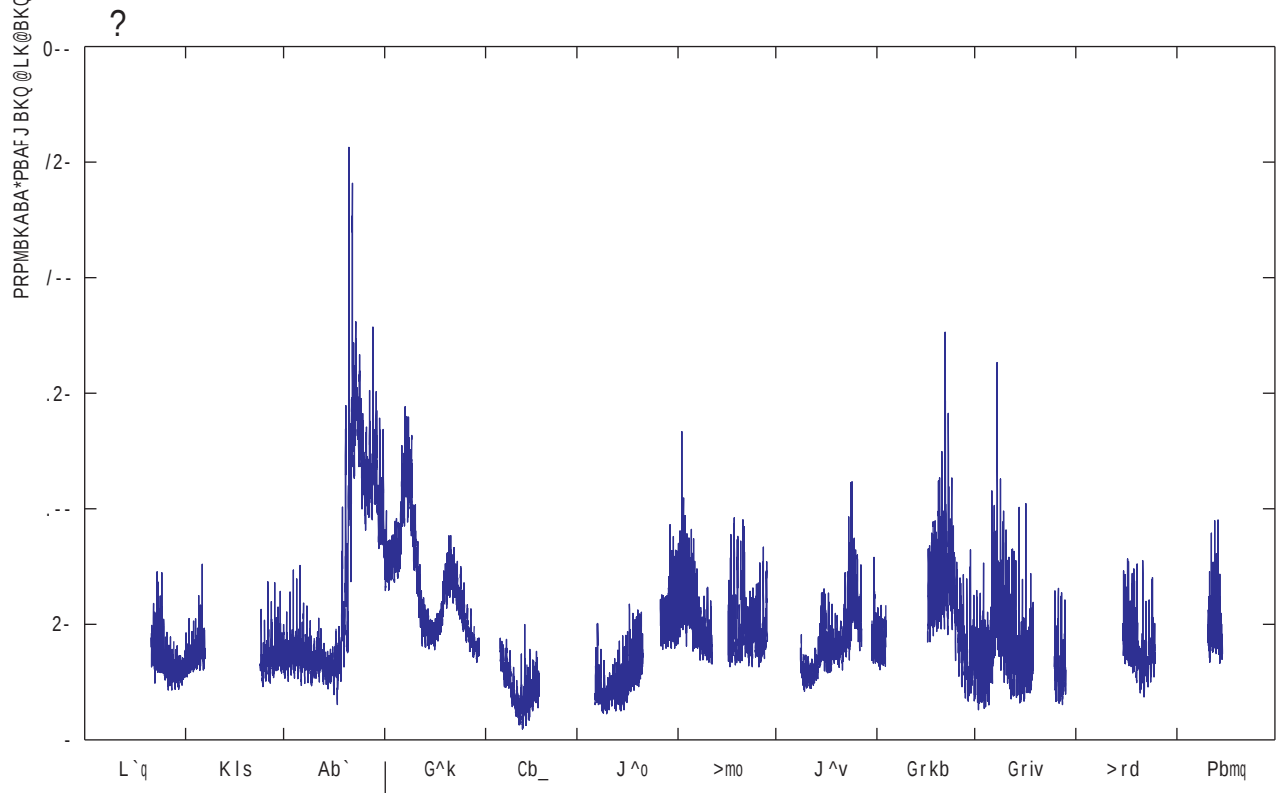
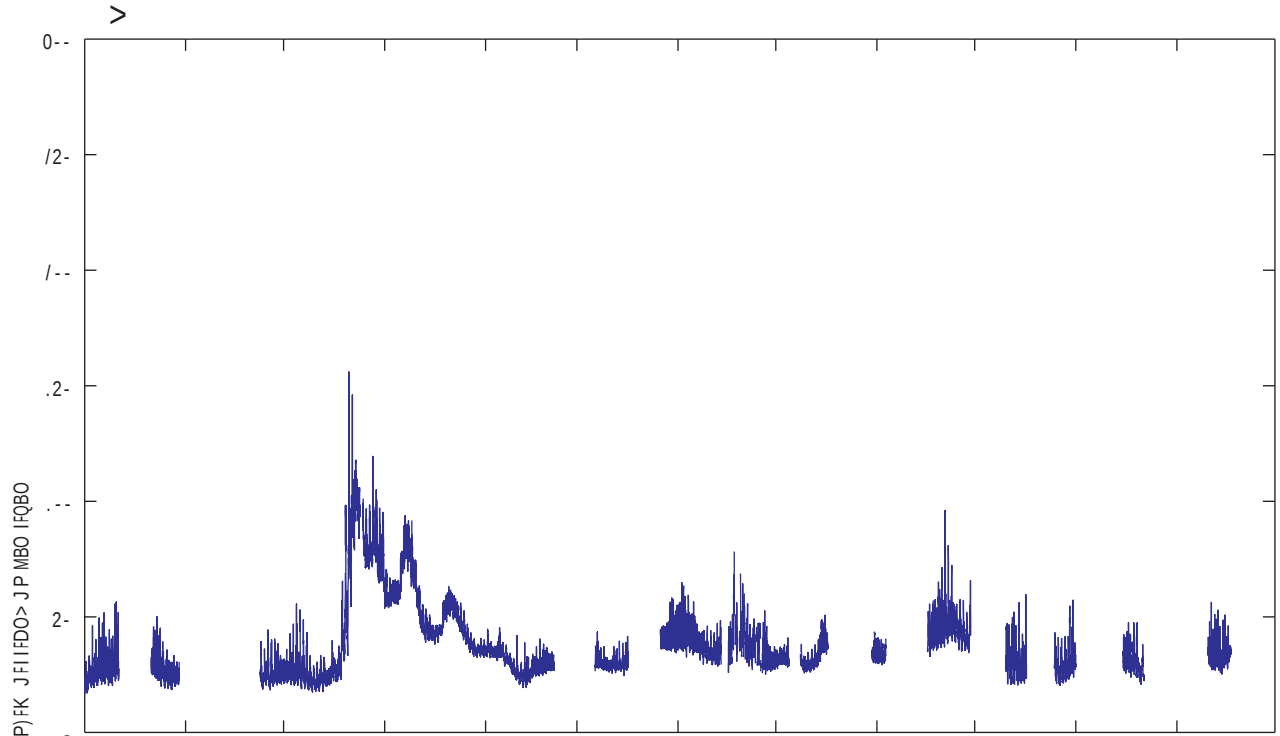


Cfdrob 1+ @^if\_o^qflk l c k b ^ o \* p r o c ^ ` b l m q f ` ^ i p b k p l o ^ q J ^ i i ^ o a F p i ^ k a ) P r f p r k ? ^ v ) @ ^ i f c l o k f ^ ) t ^ q b o v b ^ o / - - 0 +

.1 Pr j j ^ov lc Prpmbkaba\*Pbaf j bkq @lk`bkq^qflk A^q^ P^k Co^k`fp`l ?^v) @^ifc lokf^ T ^qbo Vb^o /--0



Cfd rob 2+ @^if\_o^qflk lc kb^o\*\_lqq j lmqf`^i pbkplop) %> & L`ql\_bo .@Cb\_or^ov 2 ^ka %?& Cb\_or^ov 2@Pbmqb j \_bo 0- ^q J ^ii^oa Fpi^ka) Prfprk ?^v) @^ifc lokf^ t ^qbo vb^o /--0+



$\frac{1}{--}$ 
 $\frac{1}{--0}$   
 Cfdrob 3+ Qf j b pbofbp lc %& kb^o\*proc^`b ^ka %?& kb^o\*\_lqqI j prpmbkaba\*pbaf j bkq`lk`bkqo^qfIk p`^i`ri^qba col j pbkplo  
 ob^afkdp ^q J ^ii^oa Fpi^ka) Prfprk ?^v) @^ifc lokf^ t ^qbo vb^o /--0+

?bkf`f^ ?ofadb

ODQHNC NE B@KHAQ@SHNM-Ê

MD@Q,RTQE@BD RDMRNQ '@(9 Nbsnadq 0+ 1//1+ sn L`x 1/+ 1//2+ `mc Itkx 12+ 1//2+ sn @tftrs 17+ 1//2 'ehf- 6@(-

MD@Q,RTQE@BD RDMRNQ 'A(9 L`x 1/+ 1//2+ sn Itkx 1+ 1//2 'ehf- 6A(-

MD@Q,ANSSNL RDMRNQ<sup>9</sup> VX 1//2 'ehf- 7(-

MTLADQ NE C@S@ ONHMSR-Ê

MD@Q,RTQE@BD RDMRNQ '@(9 20 '8 eqn 1 VX 1//2(-

MD@Q,RTQE@BD RDMRNQ 'A(9 3 '3 eqn 1 VX 1//2(-

MD@Q,ANSSNL RDMRNQ<sup>9</sup> 34 '05 eqn 1 VX 1//2(-

B@KBTK@SDC KHMD@Q BNQQDK@SHNMDPT@SHNM-Ê

MD@Q,RTQE@BD RDMRNQ '@(9 RRB < /-828 1 MST \* 1-1-

MD@Q,RTQE@BD RDMRNQ 'A(9 RRB < 0-30/ 1 MST \* 5-/-

MD@Q,ANSSNL RDMRNQ<sup>9</sup> RRB < 0-1/3 1 MST \* 0-8-

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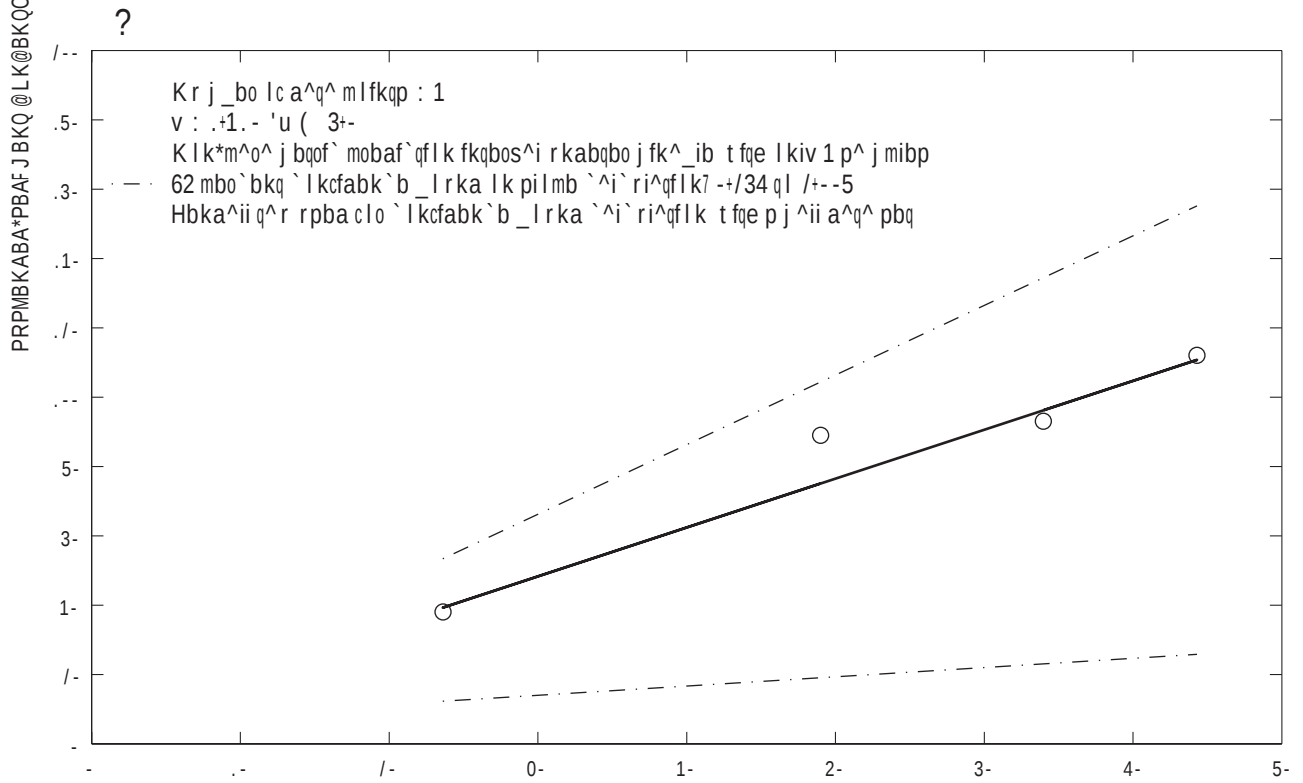
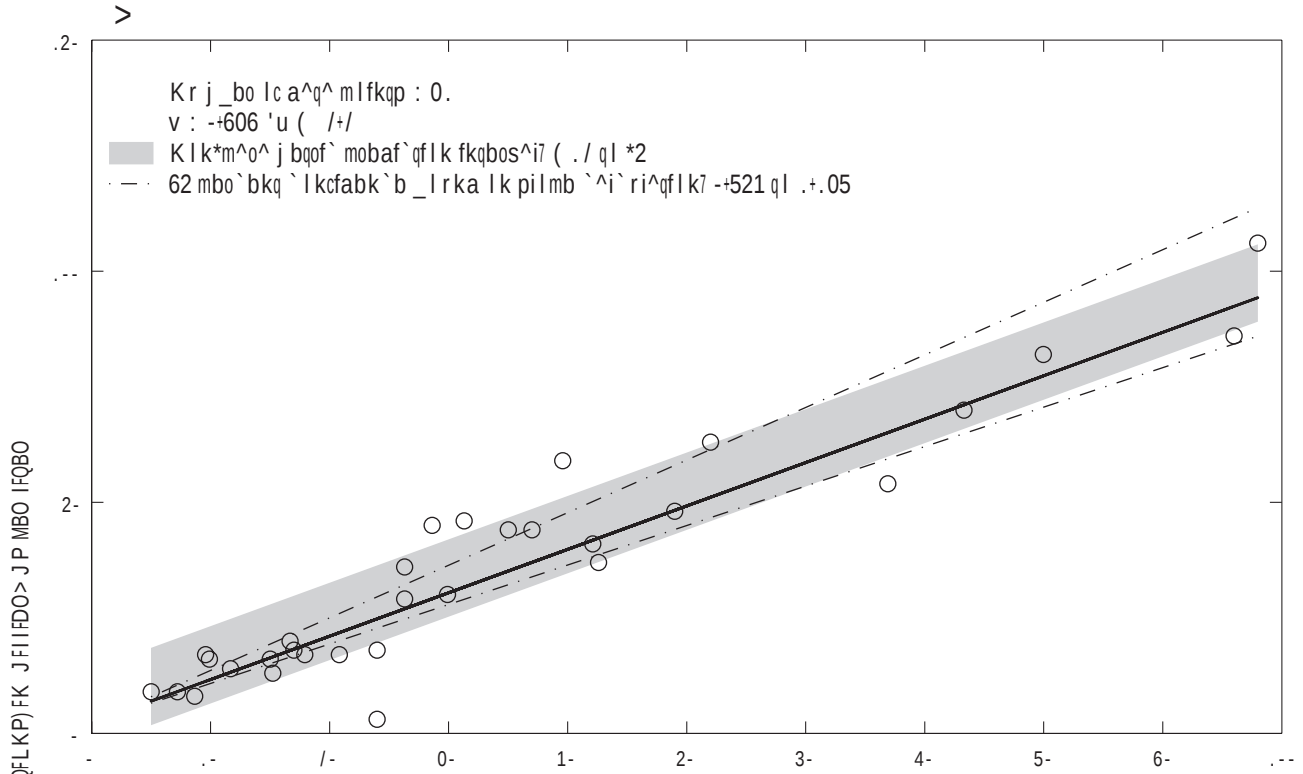
MD@Q,RTQE@BD RDMRNQ<sup>9</sup> \*01 sn Ø4 1 f.K-

MD@Q,RTQE@BD RDMRNQ<sup>9</sup> tmcddsq 1 hm`akd vhsq 3 r` 1 okdr-

MD@Q,ANSSNL RDMRNQ<sup>9</sup> \*0/ sn Ø07 1 f.K-

QDL@QJR-Ê Hmsdqqtoshnmr hm qdbnqc v`dq b` trdc ax entkkmf nq 1`ketmbshnm ne sgd rdmrhmf `mc`nq( qdbnqchmf

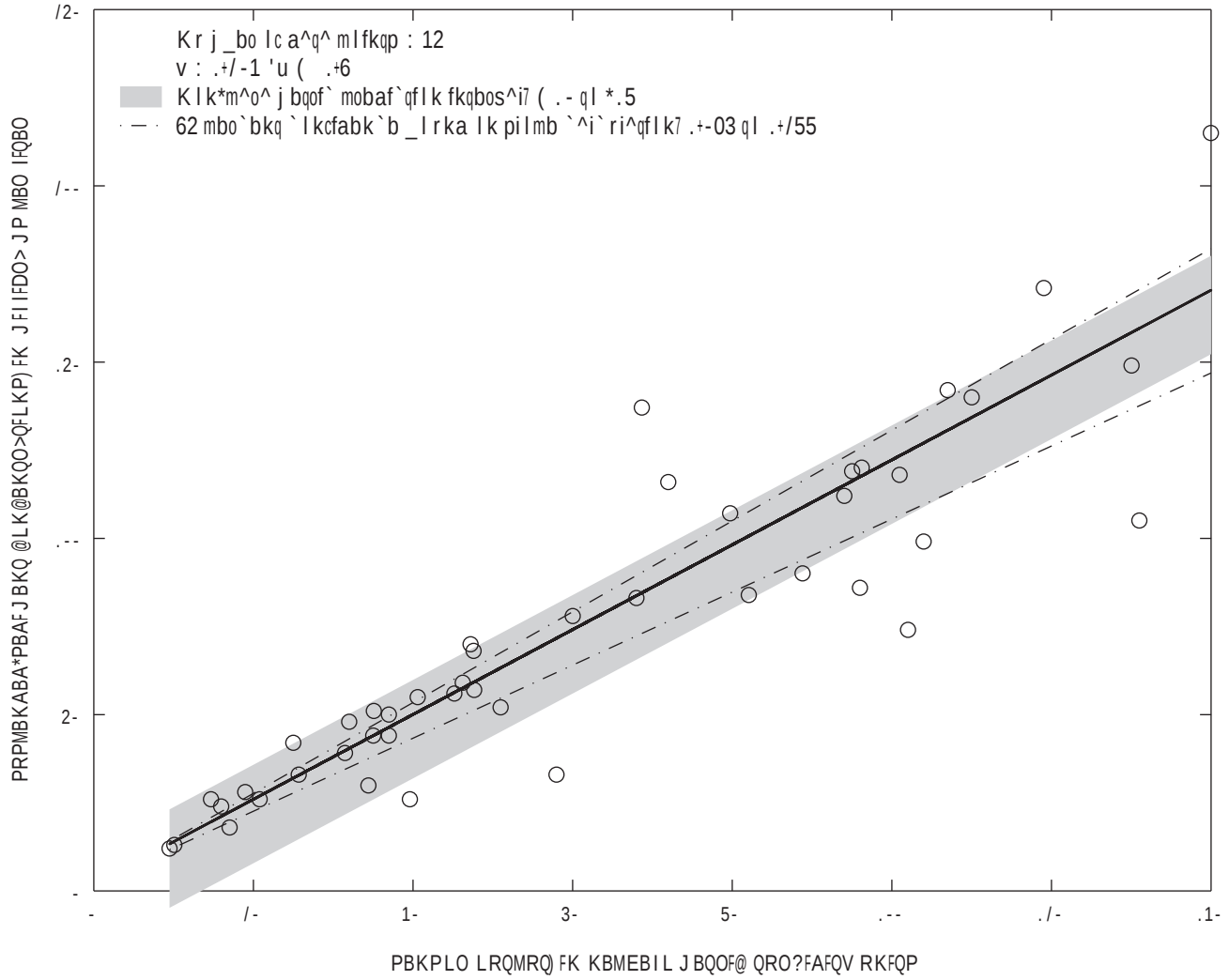
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rnmed v`r rds`ooqnwh 1`sdqx 14 es`anud sgd ansn 1 rn sg`s sgd c`s` `qd qdoqdrdms`shud ne sgd rtqqn tmchmf `qd`- Sgd b`khaq`shnm  
trdc enq c`s` bnkkdbsc `s sgd md`q,rtqe`bd knb`shnm eqn 1 Nbsnadq 0+ 1//1+ sn L`x 1/+ 1//2+ `mc Itkx 12+ 1//2+ sn  
@tftrs 17+ 1//2+ v`r cdudknoc eqn 1 r` 1 okdr bnkkdbsc ctqhmf sgd cdoknx 1 dms ne svn Gxcqnk`a rdmrnqr- @ \*0/-0,  
mdogdkn 1 dsqhb stqahchsx tmhs rghes sn sgd md`q,rtqe`bd rdmrnq b`khaq`shnm+ b`kbt`k`sd eqn 1 v`sdq r` 1 okdr bnkkdbsc ctqhmf sgd  
cdoknx 1 dms ne `sghqc Gxcqnk`a rdmrnq vhsq `cheedqms qdronmrd `mc mns rgnvm nm ehftqd 6@ `mns trdc sn cdudkno b`khaq`shnm(+  
v`r`ookhdc eqn 1 Itkx 12+ 1//2+ sn @tftrs 17+ 1//2- Sgd rdbnmc b`khaq`shnm trdc enq c`s` bnkkdbsc `s sgd md`q,rtqe`bd knb`shnm  
v`r cdudknoc eqn 1 v`sdq r` 1 okdr bnkkdbsc ctqhmf sgd cdoknx 1 dms ne `XRH rdmrnq eqn 1 L`x 1/+ 1//2+ sn Itkx 1+ 1//2- Sgd  
entq v`sdq r` 1 okdr bnkkdbsc enq sgd XRH rdmrnq v`dq hmrteehbdms enq cdsdq 1 hmhmf `mnmo`q` 1 dsqhb oqdchbshnm hmsdqu`k- Rduq`k  
cheedqms rdmrnqr v`dq trdc hm sgd md`q,anssn 1 knb`shnm- Adb`trd sgd cheedqms rdmrnqr ``kk Gxcqnk`ar( qdronmedc rh 1 hk`qkx sn sgd  
tmhenq 1 rdch 1 dms bg`q`bsdqhrshbr entmc hm R`m Eq`mbrbn A`x `Rbgndkkq` 1 dq`mc nsgdqr+ 1//2(+ sgd b`khaq`shnm v`r cdudknoc ax  
bn 1 ahhmf v`sdq r` 1 okdr bnkkdbsc ctqhmf d`bg rdmrnq cdoknx 1 dms- Sgd b`kbt`k`sd RRB sh 1 d,rdqhdr c`s` bnkkdbsc ctqhmf VX  
1//2 `qd oqdrdmsdc hm ehftqd 8-



PBKPLO LRQMRQ)FK KBMEBIL J BQOF@ QRO?FAFQV RKFQP

Cfdrob 4+ @^if\_o^qflk lc kb^o\*proc^`b lmqf`^i pbkplp) %> & L`ql\_bo .@ J ^v /-) Griv /0@> rdrpq /5 ^ka %?& J ^v /-@Griv / ^q ?bkf`f^ ?ofadb) Prfprk ?^v) @^ifclokf^ t ^qbo vb^o /--0+

.5 Pr j j ^ov lc Prpmbkaba\*Pbaf j bkq @lk`bkqo^qflk A^q^ P^k Co^k`fp`l ?^v) @^ifclokf^ T ^qbo Vb^o /--0



Cfdrob 5+ @^if\_o^qflk lc kb^o\*\_lqqj lmqf`^i pbkplq ^q ?bkf`f^ ?ofadb) Prfprk ?^v) @^ifclokf^ t ^qbo vb^o /--0+































































