

tQjt`i mvt_l | tmme eUZ; wetqi AvM chSB epS, Lp Kg tqtqB nqZ tm m`uK`metq cieZx®
Rxtbi tUt bwtZ cvti | ōnqZ0 ej uQ mZKZv t`tk, thtnZi tKvfbv Mtel Yv G wetq GLt b v P v L
cto ub | Zey Rxtbi GK u ch`q Zviv eUZ; tZv cvt`Q | wKš` GB cwi eZ`bi tQuqv tj tMtQ wK
Avgv` i Mtgt? KZ ōDbqb Kg RvE0 MtgtK wNti, KZkZ Dbqb ms`vi w`vi, bvixi qgZvqb Avi
qj` FY, `kKl qwi Dbqb mPK... cwi eZ`b ntqtQ wKQuv w`ōqb Mtgti gvnj v` i, AŠZ fvetZ Bt`Q
Kti | GB cwi eZ`bi cUfngtZ tKgb m`uK`KvWtgvZ evav Avgv` i Mtgti tqtqiv? wKsev Mtgt wK
tKvfbv gvnj v` evm Kti b gv, tQjt i eD, bb`, Rv, kv` wo Gme m`utKp evBti? AvtQ wK tKvfbv wetq-
wbi t`c`q m`uK`? emj Kvi tLvj m QvotZ bv QvotZB tZv wetq Avi wfbMtq cvivcvi, Zvi ci tKgb
Zv` i m`uK`KvWtgv, Zvi B LwbKuv Avfvm cvl qvi GK u c`vm wntmte t`Lv thtZ cvti GB
KvRwutK | etj tbqv fvtj v, tKej GB Dti k`kK mgtb t`tLB Mtel Yv u Kiv nq ub eis Modelling
the Influence of Communications on Fertility Behaviour of Women in Rural Bangladesh K l R
Avgvi wGBPM Mtel Yvi Z` msMh Kitz wmtq Mtgti bvix` i m`uK`KvWtgv g`Lv g`L nB,
Dt b wPZ nq GK ARvbv RMtzi Rvbv Kuvub, th, Mtgti gvnj v` i tKvfbv eUt bB |

Mtel Yv c`uZ

evsj v` tki QquU wefvM t`tk QquU Mtgt tetQ tbqv ntqtQ | GK u Mtgt evowZ tbqv ntqtQ, th Mtgti
tenki fvm gvb | w` yag`ej `x, mvs`wZK cv`R` wKQz AvtQ wK bv Zv t`Lvi Rb` | Mtgt t`j v` ntj v` :
`PZb`cj (ivRkvnx wefvM), ej vBbMi (XvKv wefvM), et`Ykvmb (wmtj U wefvM), tRveiv (P`EMgt
wefvM), i vtqi KvX (emi kvj wefvM), cqMtgt (Lj bv wefvM) Ges g`uMv (w` yMtgt, ivRkvnx wefvM) |
GQovl eUl mnKgx`k wZj wivir i f (mnKvix Aa`vck, MYthvMvthvM wefvM, ivRkvnx w`kpe`ij q)
RqcvnvU tRj vi Avt`j cj w`Dwbv m`w`ij w`i cvj vZb evRvi gnj v` t`tk cvBj U mvt`Kti w` tquQjt b
30 Rb gvnj vi l ci Z` msMh Kti |

Mtgti gvnj v` (tqtqiv KZ eqtm gvnj v` nb Avmtj ?), hv` i eqm 14 t`tk 49 eQti i gta`, g`Lv g`L
Zv` i m`qjrvKvi tbqv ntqtQ | Mtgti c`ZuU ewo t`tk (Avmtj Lvb t`tk) AŠZ GKRb gvnj vi
mvt`K_v ej v` ntqtQ | dtj thvMvthvM t`uU qvtKp g`vU` hLb `Zvi Kiv nq, ZLb c`ZuU Lvbvi
c`ZuU w`ZKvix AŠZ GKRb tmLvtb t`tk hvb |

hw` l gj Mtel Yv q i wZgtZv Qtk evav c`k`T ati Z` msMh Kiv ntqtQ, Zte GB tj Lvq Mtgt t`tk
Mtgti gvnj v` i mvt` Avj vc, ch`e`qY Ges gvW Rvb`j i tUvKv (field journal accounts) Z` m`
wntmte e`envi Kiv ntqtQ, w`kl Kti cvl qv Zt` i A`w`bifc`Yi t`qj` Ges dj v`dj e`vL`vi t`qj`
Avj vc Ges tUvKvi w` + m`vnh` tbqv ntqtQ `YMZ e`vL`vi Rb` |

AvM ÷ 2002 t`tk Rvbgvwi 2003 ch`S-gv`V KvR Kti tgvU 724 Rb gvnj vi AvŠte`w`K thvMvthvM
t`uU qvtKp Z` msMh Kiv ntqtQ | gj Mtel Yvi c`qvRt`b hw` l w`ewwZ gvnj v` i B m`qjrvKvi tbqv
ntqtQ w`w` ōf`te, Zte Z` msMh ni i`tZB c`g Mtgt A`R ivRkvnx wefvM i PvcvBbeveMA tRj vi
avBbMi BDbqb`bi `PZb`cj Mtgt KvR Kitz wmtq KtqK ewoi Z` msMh KitzB tKŠZaj x ntq
cwo A`ewwvZ tqtq` i Ae`vUv hvPvB Kitz | i` nq Wtqwi tZ t`uU tbqvi cvj v` 14 t`tk 49
eQti eqm A`ewwvZ tqtqi msL`v Lp tenk t`bB | mvZ Mtgt wgvj t`q mvKtj` 37 Rb`K wRt`Am Kiv
m`e ntqtQ |

GB KvR AvŠte`w`K m`utKp evBti thtKvfbv mvgvRK Mtel Yvi g`ZvB wKQz e`w`MZ c`u`gK Z`
Ges Av`mvgvRK-mvs`wZK Ges `b`b` Lei vLei Av`vb-c`v`bi Z` l w`k`Y Kiv ntqtQ Gme
gvnj vi thvMvthvM Aven m`utK`LwbKuv avi Yv tbqvi Rb` |

Z_`msM0ni KvR AvgvK mvrnh` KtiQb c0Z GjvKvq 6 t_`K 7 Rb Kti weifbæfckvi tgvU 43 Rb| ivRkvnw wefvM ivRkvnw wekpe`vj tqi MYthvMvthvM wefvMi wk`K kwZj mivR i`f Avi 6 Rb QvT Z_`msM0hKvix` tj KvR KtiQb| cti `PZb`cj M0tgi cwi evi cwi K i`bvi gvVKgr`Avtbcqviv teMg Ges M0g` `vB ivtnjv teMg h3` ntq ctob GB `tj | GQovl `tj i m`m` MYthvMvthvM wefvMi QvT tebvDj Bmjvtgi emotZ t_`K GB M0tg KvR Kiv ntqQ etj tebvDti j tevb, `vbxq Ktj RQvTx bj`bunvi tKqv` tj RfU hvb| mtj U wefvM kvnRvj vj weAvb I ch3` wekpe`vj tqi bZE; wefvMi QvT QvTxiv Z_` msM0h KtiQb| PÆM0g wefvMi `tj w0tjb PÆM0g wekpe`vj tqi misew` KZv wefvMi QvT QvTxiv| ewi kvj wefvM KvR KtiQb wctivRcj tRjv KwI m`c0hvi Y Awdmvii tbZtZ; wctivRcj mi KwI Ktj tRi `0Rb QvTx, GKRB wk`K Ges wclj`vY misew` K, `vbxq GbwRI mKtj i Rb` Kw0i KtqKRb KgRZP, mus`wZK msMVb D`xPi GKRB m`m`, GKRB Mnea7 Ges c03`b Rwg`vi I eZgvtb mgvRKgr`M0Si v2` ivq tP5ajx| Lj bv wefvMi `tj w0tjb gJ Z cqM0tgi ewm`viv, Giv ntj b dj Zjv Ktj tRi evsjvi c0vLK, cwI Kv nKvi, c03`b GdWneBG, dj Zjv Ktj tRi `0Rb QvT, mi KwI weGj Ktj tRi Avm`QvTx| XvKv wefvMi `tj KvR KtiQb GtKevti B wfbæaitbi tckvi gvbtI iv— bvMicy BDwbqbw cwi I t`i GKRB m`m`, bvMicy Avw qv gv`mvi GKRB wk`K, `0Rb Mnea-Ges GKRB tgSgwQ cvj K| `vbxq gvbtI i mvrnh` wbtq g0M0tg Z_` msM0h KtiQb tmstgb`vm Avi i l bK tdi t`Sm, Zuv BtZvgt`B nuZ cwKtqQb `PZb`cjt KvR Kti|

c0gZ, thtnZic0Z`S-M0tg `vKvi fvtjv tKvfbv e`e`v tbB Ges w0ZiqZ th M0tg KvR Kiv nte tmB M0tgi tKvfbv c0Zc0Ekvj x ev m`SmbZ Kvfv emotZ t_`K Zvt`i gra`tg cwi wPZ bv ntj M0tg XfK M0tgi gunjvt`i mvt_`K_v evj hute bv, GB `B wetePbv t_`K thme GjvKvq cwi wPZRb AvtQb Zvt`i Awizt`qZvi I ci wbfP KtiZ ntqQ Ges evsjvt`tk GLtjb 0Awizw` bvi vqY tmev0 Pti etj B tKv_vl tKvfbv Ampeav nq w| ivRkvnxi PucvBbeveM0A tebvDj t`i ewo A_`P tg`vi ewo, ewi kvj wctivRctji tRjv KwI m`c0hvi Y Awdmvi Kj`vb` ivtqi mi KwI ewmfeb, PÆM0tg PÆM0g wekpe`vj tqi misew` KZv wefvMi mnKvix Aa`vck eUz AwizKai ingvtbi d`vU, mtj tU kvnRvj vj weAvb I ch3` wekpe`vj tqi bZE; wefvMi wk`K AeSx`nvi`tbi tgmfeb, Lj bviq eUz Avb`gqx gRg`vti AvZtq evtMinvU w. m. Ktj tRi `B Aemic0B Aa`vck g3` gRg`vi I tgvnr`S` Kvqtkvew`-Gi cqM0tgi ewo AvI`Y`K, Avi XvKvq Uv2vBj tRjvi MqrvUv BDwbqbtbi tPqvi g`vb Avej tnvmb tPqvi g`vb ewo wJ Avgvi `vKv Avi KvR Pvj vtbvi Awdm| Giv i`ay Avgvi `vKv-Lvl qvi e`e`vB KtiB w b eis cwi Pq Kwitq w`tqQb `vbxq gunjvt`i mvt_, RvUtg w`tqQb Z_`msM0hKvix `tj i m`m`i`i| KvFRB huiv Z_` msM0h KtiQb Avi huiv mewK0i e3`ve`-Kti w`tqQb, Zvt`i KvQ Avgvi KZAZvi tkl tbB| eis etj tbqv fvtjv GwU GKwU thS_` KvR Ges Giv c0Z`tKB Avgvi mtj LK|

wK0zc0_wgK Z_`

gj Mtel Yvq th gunjvt`i m`vrvKvi tbqv ntqQ Zvt`i Mo eqm 28 eQti i GKUz tewk| Mo wetqi eqm mvt0 cftbtiv eQi, c0g ev`Pvi Rb`w`tqQb Mto mvt0 mtZtiv eQi eqtm Avi Zvt`i `0gxi Mto Zvt`i tPtq c0q`k eQti i etov, mvt0 37 eQi| Gme gunjv msuk0-M0tg emem KtiQb c0q mvt0 evtiv eQi ati| GtKevti cvKv wntme, mvt0 cftbtiv eQti wetq + mvt0 evtiv eQi ati `0gxi M0tg emem, KvFRB Mo eqm 28 ermii GKUz tewk| Gme gunjvi 42 kZvsk KLtjb `dj hvb w, huiv wMtqQb Zvt`i 15.8 kZvsk c0Bgwi cvo ntqQb, 2.4 kZvsk Ktj tRi tMtQb Avi gvT 1.4 kZvsk wW0ch0q t00tZ tctiQb| hw`I 58 kZvsk gunjv `dj wMtqQb Rxefti tKvfbv GKUv mgtq wK`S` kZKiv 49 Rb evsjvq tj Lv tKvfbv wPw cotZ ev wj LtZ cvtib bv| Zvt`i `0gxt`i

we`vepxi t`Sol tZgb PgKc0 bq| Mto 32.2 Rb KLtbvB tKvfbv`dj hvb vb A_`f`dj hvl qvi t`f`f`i`v`g`x`iv`v`f`i` t`P`f`q` gv`I` 9.4 kZvsk tenk| GK`v`g`f` Z`msM0Kvix tdrov KvUtb b th t`g`f`q`iv`v`f`i` t`M`f`j` Mg` cvq` tmRb`B` bv` wK` c0Bgwi`f`Z` t0tj`f`g`f`q`i` e`eavb` ZZ` tenk` bq| K_vUv` nqZ` mwZ`", c0Bgwi` i` cti` f`g`f`q`f`i` Avi` t`Lv` cvl` qv` hvq` bv, evotZ`_v`f`K` t0tj`f`g`f`q`i` `g` Dcw`m`Zi` e`el`g`| 92.7 kZvsk` g`mj`v` vb`f`R`f`i` t`K` M`p`ea`-e`f`j` `we` K`f`i`f`Q`b, 2.8 kZvsk` K`u`l`i`w`k`f`i` ev` Kvi`Lv`bvq` KivR` K`f`i`b`| 2.3 kZvsk` PivKwi` Ki`f`Q`b, 0.7 kZvsk` K`u`l` KivR` vb`f`q`m`R`Z` Avi` 1.5 Rb` vb`f`q`m`R`Z` K_u`v` t`m`j`v`B, gv`j` `Z`wi, Zvj`cv`Zvi` nv`Z`cv`Lv` ev`b`f`b`v, abx`tj`v`f`Ki` ewotZ`w`S`w`Mwi` ev`iv`v`vb`g`f`f`y` KivR`w`bg`R`f`i`f`Z`| G`f`i` `v`g`x`i` i` 33.8 kZvstki` t`ckv` g`j`Z` K`u`l` KivR, tenki`f`v`M`B` A`f`b`i` R`v`g`f`Z`w`bg`R`f`i` K`f`i`b` ev`e`M`f` Lv`f`U`b`| G0vovl` kZKiv` 24.4 Rb` t0v`U`Lv`f`U`v` e`emv, 13 Rb` W0Bw`f`s, 10.2 Rb` PivKwi` Avi` 10.1 Rb`w`bg`R`f`i` KivR` K`f`i`b`| kZKiv` 40 Rb` g`mj`v` G`b`w`R`I` i` f`f`i`f`Y` c`k`f`f` R`w`o`Z`| h`w`l` G`me` g`mj`v` b`v`b`v` ai`f`bi` KivRi` ga`w`f`q` c`w`i`e`f`i` Avq`evot`f`Q`b`w`K`S`Z`u`i`v`vb`f`R`iv` g`f`b` K`f`i`b` b`v` th` ewoi` Av`f`q`Z`u`f`i` t`KivR`v` Ask`f`v`M` Av`f`Q`| GB` g`mj`v`f`i` `b`w`b` Lei`v`Lei` R`v`b`vi` g`v`a`g`n`t`j`v` c0`g`Z`Z`u`f`i` `v`g`x`iv, h`u`f`i`v` n`v`f`U`-ev`R`f`i, A`w`d`f`m`-g`v`f`v` h`v`b, G0vov` 0`g`v`B`b`f`i` g`f`n` g`f`n`0`| 64 kZvsk` g`mj`v` R`w`b`f`q`f`Q`b, Z`u`f`i` G`K`v`K`x` P`j`v`P`f`j` i` `f`ax`b`Z`v` f`b`B, h`w`l` g`u`M`w`l`-G`i` (w`v`v`M0g) Ae`v`G`K`U`z`w`f`b`f` kZKiv` 86.4 Rb` g`mj`v` `we` K`f`i`f`Q`b` th`Z`u`i`v`vb`f`R`iv`B` P`j`v`P`j` Ki`f`Z` cv`f`i`b`| kZKiv` 53 Rb` g`mj`v` R`w`b`f`q`f`Q`b, G`g`b`w`K` Ni`-t`Mi`w`v`j` i` KivR` ev`K`x`i`v`b`e`Ki`f`eb` ev`t0tj`f`g`f`q`f`K`f`v`t`j`v`g`v` w`K`Q`z`w`K`f`b` t`f`eb`K`x`i`f`eb` b`v, G`R`v`Z`q` f`KivR`v`w`el`f`q`B`w`m`x`v`S`-t`b`q`vi` f`f`g`Z`v`Z`u`f`i` f`b`B`| me` ai`f`bi`w`m`x`v`S`-t`b`b` c0`g`Z`Z`u`f`i` `v`g`x`iv, Z`vi`ci` k`v`i`w`o`-k`f`i`i` ev`k`f`i`ewoi` Ab`v`b` Av`Z`v`q`-R`b`| Mto`c0`Z`f`Ki` ev`P`v`i`f`q`f`Q` 2.64 Rb` Ges`c0`Z`f`Ki`B` i`f`q`f`Q` Av`f`iv`t0tj`i` Av`Kiv`f`f`v`| f`g`f`q`i` Z`j`bvq`t0tj`i` Av`Kiv`f`f`v` c0`q`w`Z`_Y` tenk| GB`Av`_m`v`g`w`i`R`K`-m`v`S`w`Z`K` c`w`i`f`e`f`k` g`mj`v`f`i` Av`S`te`w`3`K` th`v`M`v`f`h`v`M` K`v`W`f`g`vi` m`j`K`m`U`v`b` Kiv`n`f`q`f`Q`|

clke: cvPRb eUa big ej b

c0Z`K` g`mj`v`f`K` ej`v` n`f`q`f`Q`j` cvPRb` g`v`b`f`i`i` big` ej`f`Z, h`u`f`i` m`v`f`_Z`u`i`v`vb`q`v`g`Z` m`f`_f`f`Li` K_v` (t`c`f`Ui` K_v) e`f`j`b, h`u`f`i` g`Z`v`g`Z`Z`u`f`i` KivR`_i`"Z`c`y`G`es`m`e`f`P0`e`f`ov`K_v, h`u`f`i`t`K`Z`u`i`v`e`U`z`m`B` g`f`b` K`f`i`b`| Z`u`i`v`c`j`"l` ev`g`mj`v` th`t`K`D`-B`n`f`Z` cv`f`i`b`| c0Z`K`e`U`i` R`b` Av`f`iv` th`m`n`f`h`M`x`c`k`e`f`j`v` Kiv`n`f`q`f`Q`j`v`t`m`_t`j`v`n`f`"Q`:

1. m`v`u`f`K`f` ai`b` : e`U`z`m`n`K`g`r` Av`Z`v`q` g`j`w`e`Y` Ab`v`b`
2. KZ`w`b` a`f`i` t`P`f`bb` : 3` g`v`f`mi` Kg` 6` g`v`m`-1` e`Qi` 1-2` e`Qi` 3-5` e`Qi` 5` e`Q`f`i`i` tenk` Ab`v`b`
3. KZ`Nb`Nb` t`Lv`n`q` : c0`Z`K`w`b` m`B`v`f`n` A`S`Z`G`K`e`vi` g`v`f`m` A`S`Z`G`K`e`vi` Ab`v`b`
4. t`h`v`M`v`f`h`v`f`Mi` g`v`a`g` : g`f`L`v`g`u`l` w`P`w` t`U`w`j`f`d`c`v`b` Ab`v`b`
5. t`Kiv`v`q`_v`f`K`b` GB`e`U`z` : G`K`B` ewo` G`K`B` c`v`ov` G`K`B` M0g` G`K`B` kni` w`b`K`U`e`Z`x` M0g`/kni` Ab`v`b`
6. t`Lv`Kivi`Riv`Mv` : KivRi`vb` G`f`K`Ac`f`i`i` ewo`h`v`B` t`KivR`v`m`g`w`i`R`K` ev`m`v`S`w`Z`K` m`S`M`V`b` ewo` Ab` t`KivR`v`Riv`Mv`
7. Av`c`b`vi` `b`w`b` m`g`m`v`q` Z`_`civ`g`f`k`f` R`b`w`K`Gi`KivR` h`v`b`? : KL`f`b`v`B` b`v` g`v`f`S`g`f`a` c0`q`B` mem`g`q`
8. w`e`i`f`b`c`e`w`3`M`Z`w`m`x`v`S`-t`b`q`vi` t`f`f`f`i` w`K`GB`e`w`3`i` t`KivR`v`c`f`v`e`_v`f`K`? : KL`f`b`v`B` b`v` g`v`f`S`g`f`a` c0`q`B` mem`g`q`

tRveiv : 0Auiiv evti i gvBqvtdqvvi j tM LiZv bv LB0

PÆM0g wekþe`vj tqi cvtk weL`vZ M0g tRveiv| M0gy e`vsK-L`vZ tRveiv| eUz AwZKi ingvb hLb Z`msM0hKvix`tj i mvt_ A_`PÆM0g wekþe`vj tqi mvsew`KZv wefvM i QvT QvT`xt`i mvt_ cwi Pq Kvi tq w`tq Rvbtj b th tRveiv M0gtK evQv ntqtQ KvR Kivi Rb` , gbUv GKUy`tgB wMtqQj | ati wbtqQj vg GUv nte GKUv mvRvbtv M0g, gunjviv nteb AþbK tPŠKm, eUz`vKte Zut`i AþbK, hv nqZ wVK evsj vt`iki M0gtK c0Zubvaz; Kiþe bv| wKS``tj i m`m` tgvtk`j Bmjvg (GLb PÆM0g wekþe`vj tqi wK`K) Avk`-KþiuQþj b, 0vgwVqvq hv t`tLb Avi ev`þei gþa` AþbK dviivK, nZvk nteb bv g`wWg, Avi cuPUv M0tgi mvt_ GB M0tgi Lþ teuk cv_`R` tbB|0 GB M0tgi `þ Ask| etov GK gw vgtS t`tK fVM Kþi w`tqtQ GB `þ AskþK| GK cvtk teS`xvov, AvþiKw`þK gmvj g emvZ| Avgiv KvR KþiuQ gmvj g Astk| Ab`vb` M0tgi mvt_ GB M0tgi c0g th cv_`R` tPvtL cto Zv ntjv emv`tjv tek`þi`þi| tKvþbv gunjvi tKvþbv Que tZyv hvq wb Ges`rgxi Abgvwz Qvov K_v ej þZ tKvþbv gunjvB i wR nb wb| KvþRB Avgv`i Aþc`lv KiþZ ntqtQ thb Zuiiv`rgx`i Abgvwz wbtq ivLþZ cvþb| cuPewoi gunjvt`i mv`lvrvKvi tkI chS`tbqv mæe nq wb, KviY Zut`i`rgxiv weþ`tk`_vtKb| mBvtn gvT GKw`b Zuiiv tdlv Kþib, KvþRB tKvþbv KviþY gþb bv`_vKvq Abgvwz tbqv Avi ntq I þv wb| Avþiv GKw`wvq, ejv tek SpKcYB, tgvU 98wU emvov gunjvt`i mvt_ Avgiv K_v etjwQ wKS` Zut`i GKRbI`we Kþib wb th Zuiiv M0gy e`vstKi m`m`| wZbRb gunjv`þj FY cKþi i mvt_ RwoZ, wKS`tm`tjv`_vbxq Bmj wqK GbuRI |

i`i`þZ eUz AvtQ wK bv, cktvþK GK aiþbi Acgvb wntmteB t`tLþQb gunjviv| cti`tj i m`m` GKB M0tgi i`byeþStq etj þQb, 0mB gvþb th evþti t`tK`_vKþZ nte Ggb tKvþbv K_v tbB, emvov wFZþi huþ`i mvt_ Zuiiv teuk 0gvZb0, 0Zuiiv0 bvg ej þj B nte|0 emvov ci emvov wMtq gþb ntqtQ, eþS tKD AvþM t`tK GKUv DEi wkwL`tq w`tqtQb mevBþK, Avi ci`v`lvq tmwU Kgb cto tMtQ : 0Auiiv evti i gvBqvtdqvvi j tM LiZv bv LB0|

AþbK emvov`rgxivB thþnz weþ`tk PvKvi Kþib, KvþRB A`w0wZK w`K t`tK GB gunjviv tek m`Qj| dtj Ab`vb` M0tgi gþZv fvmy`-t`ei cwi evi`tjvi mvt_ memgq GKmvþ`_vKþZ nq bv GKB ciovq| Rvþ`i mvt_ l mæuK`ZvB wBZ`w`bKvi bq| Zvi ci l gk`wKj ntjv, th gunjvi`rgx weþ`tk`_vtKb, Zut`K Avevi Zþ`Zþ` ivtLb Ab`vb` Rv`iv| gunjvtKI mgþS Pj þZ nq, bv ntj tlvj tdlvþb tKvþbv teclm Z`w`tq w`tj tZv Avi i`lv tbB| G KviþYI gunjviv GþK Acti i KvþQ gþ`Lj þZ fq cvb| kþmi`xKi GB Rvþb Lþ Kg gunjvB`þRþbi teuk 0tctUi K_v ej w`gvþþI i bvg KþiþQb| Zey th K0Rþbi bvg Kiv ntqtQ, Zuiiv mevB-B nq Rv, bqZ kþi emvov AvZwq mæuþK`þKD| AweewwZ tqtqt`i mgm`v Avþiv cKU| Avmgv, Rvgjv, bj Rvrvb wZb Rþbi gv-B RvbtqtQb, Zut`i tqtqt`i`_fve`Pwi`I fvþjv, Kvþiv mvt_ mBþqi mæuK`þbB| emvov evþti thgb Zuiiv hvq bv, tZgvb Ab`emvov tqtqi mvt_ K_v etj Zui tqtq mæuþK`Ggb Acer` hviv t`te Zvþ`i bwiK wRnYv Lþm huþe| tqtqt`i weþq w`þZ cvitj B Zuiiv gv`3 cvb| ej v`i Kvi, Avgiv GB AweewwZ tqtqt`i mvt_ K_v ej vi Abgvwz cvB wb|

etþYkymb : 0tctUi Kx KZv KBZvg Kvi mvtZ ?0

wntj þUi kvnRvj vj weAvb l chþ`3 wekþe`vj tqi wK w0tþB etþYkymb M0g| wekþe`vj tqi AþbK KgPvix GB M0tg`_vtKb| A`w0wZK Ae`vi wePvþi M0gwU i`þUv cwi`vi fVM itqtQ| M0tgi cKZ emvov`vt`i A`w0wZK Ae`v tek fvþjv| Zut`i Kvþiv itqtQ Avew` Rvg, tKDev PvKvi Kþib| wKS` wK0z Mvve gvþ| cZ`S`-M0g t`tK Gþm DþVþQb Gikvþ`i GB`_`OM0tgi| GB Astki cþ`liv wKkv Pjv vb wKsev`w bgRþi i KvR Kþib Avi gunjviv emvewotZ KvR Kþib bqZ iv`v`wbgþY KvþR ev BþUi fvUvq`w bgRj wntmte KvR KþiþQb| m`Qj Astki gunjvt`i mæuK`Ab`vb` M0tgi gunjvt`i

Avšte^w3K m^uK^oKvWtgv Dc^vcbi mdUl q^{vi} UCINET-6 Gi NetDraw t^cM^g e^{envi} K^ti
cqM^tgi GKul t^mwml M^tgi Clⁱque (h^utⁱ m^vt^{_} m^uK^oN^ub^o) c^vU^vb^oj [¶] Kⁱt^jB t^ev^Sv h^rte
g^un^j v^t i m^uK^oKvWtgv t^Kgb| c^oZ^oK^ul ID t^hgb G^tK^RR^b g^un^j v^tK^u v^t R^o Kⁱt^o, t^ZG^ub v^t R^o
Kⁱt^o K^Z b^ut^o e^moi g^un^j v^t Z^ub| GKU^t t^Lq^vj Kⁱt^jB t^l v^t h^rte, t^Ke^j c^vk^vc^wk/ K^vO^vK^wQ e^moi
g^un^j vⁱ v^B m^ut^o A^ve^x| GB c^vk^vc^wk e^mo^u t^jv n^t Q^o Z^utⁱ f^vm^j-tⁱ eⁱtⁱ e^mo, t^hL^vt^b v^tK^b
Z^utⁱ i R^v-k^vi^o-b^b |

cqM^tgi N^ub^o m^ut^o K^o v^e vⁱ w^KK K^vWtgv

h^w A^t4i w^tm^te e^wj, Z^te m^e t^jv M^tg g^un^j v^t i M^o m^uK^o3.11 R^tbi m^vt^{_} Ges GB m^uK^o K^utⁱ i
78.27 k^Zv^sk Z^utⁱ i R^v| G^Lv^tb c^kuⁱ vⁱ t^Zgb w^KO^tb^b g^tb n^q| n^vR^vi e^Qtⁱ i P^wc^tq t^q v^mZ^x
m^s-v^ti t^kK^j G^Z M^fx^ti t^cu^v Zth, m^e g^un^j v^B v^tR^tK^u t^mB m^s-v^ti g^vb^te g^un^qm^x t^l L^tZ A^vi
t^l v^t P^vb| m^xZ^vi A^wM^ei^x¶[¶]q D^Ei^tYⁱ Mⁱ A^bh^vq^x a^gu^we^fk^t A^vt^Rv m^Zx^Zi t^MS^teⁱ cⁱg
w^b-k^o| t^mB b^vi^x w^et^q R^b f^vt^jv, t^h A^mh^ou^k¶[¶] R^vb^v K^vB t^h w^et^q A^vM^h S^w-c^Zv^gv^Z A^vM^t
i^vL^b, A^vU^tK i^vL^b t^gt^qK GB m^wU^tK^tUⁱ A^vk^vq t^h Z^ui t^gt^q kⁱx^ti t^Kv^tb^v t^vl j^vt^M w^b|
c^j¶[¶]l m^z t^Zv[¶] i K^v, e^moi A^vZ^uq^o R^tbi e^vB^ti t^Kv^tb^v t^gt^q m^vt^{_}l Z^utⁱ t^gt^q t^Kv^tb^v m^uK^o
t^bB| t^eM^g tⁱv^tK^qi A^etⁱv^ae^wm^bxⁱv A^vt^Rv A^etⁱv^ae^wm^bxⁱB| t^gt^q t^Zv w^et^q t^qvⁱ R^bB t^Ke^j
c^jv^tc^vl v^Ki^v m^gq L^vi^vc| w^bi^vc^Ev w^bt^ql w[¶]S^w-A^vt^Q| A^vi t^mB t^gt^q h^Lb w^et^qB n^tq t^Mj t^m t^Zv
Z^Lb v[¶]g^x A^vi kⁱ i e^moi h^Z e^va, Z^ZB f^vt^jv u^gg^un^j v^ol e^moi A^vZ^uq^um^ut^o K^o e^vB^ti K^vtⁱv m^vt^{_}
t^gj^vg^kv g^tt^b t^Zv t^mB G^Ku^bo A^vb^ut^Z Ab^o e^vZ^um j^vM^v| K^vi^Y u^ggⁱ h^Z t^em^k R^vt^b, Z^Z K^g
g^tt^bo| v[¶]g^x P^vb b^v, k^vi^o P^vb b^v, m^gv^R P^vq b^v GB t^gj^vg^kvⁱ g^a w[¶]t^q l B w^bv^o e^moi w^bv^o
g^vb^o Z^vm^s-v^ui k^vs⁻c^ktⁱ G^gb^wK c^j K^v t^XD^I D^VK| n^vR^vi e^Qtⁱ i c^wl^co^v w^k¶[¶]v^q GB w^k¶[¶]v^q t^gt^qi^v
G^Z t^cv³ f^vt^e A^vq^E K^ti^tQ^b t^h w^k¶[¶]K^tK^u A^vi c^vn^vi^vl w[¶]t^Z n^q b^v, Z^ui^v w^bt^Ri^vB e^tj^b m^B v^vK^vi
t^gZ^v L^vi^vc K^vt^Ri a^vi Z^ui^v a^vtⁱ b^v, u^oc^wlⁱ w^k¶[¶]v^q G^Lb c^jv n^Bq^vt^ol

h^wi^v N^tiⁱ e^vB^ti t^Kv^tb^v A^uo^wZ^K K^gR^vt^E R^wo^Z b^v (92.7 k^Zv^sk), Z^utⁱ i c[¶]¶[¶] t^Zv e^mo A^vi
cⁱo^vi e^vB^ti h^vl q^vi t^Kv^tb^v c^kuⁱ l t^v b^v| G^gb^wK M^tgⁱ t^h g^un^j vⁱv P^vK^ui Kⁱt^ob Z^utⁱ i l e^vU^ex
t^bB, e^v v^Kt^j l l B g^un^j vⁱv t^mB v[¶]K^uZ t^b b^v R^bm^gt[¶]¶[¶] K^vi^Y M^tgⁱ t^gt^qtⁱ P^vK^ui t^Z h^vl q^vi
j^ov^BU^v G^Lt^bv m^gv^R-m^sm^vi^tK GB e[¶] t^{ev}i c^h¶[¶]q A^vt^Q t^h t^m t^bn^vZ e^va n^tq, c^wi e^vtⁱ i c^oq^vR^tb
U^vK^v D^cv^R¶[¶] t^ei n^tQ| K^vt^Ri e^vB^ti A^vi t^Kv^tb^v m^uK^oZ^ui t^bB c^w-e^xi m^vt^{_}, Z^vB e^vU^ex h^w
t[¶]t^Ki v^tK, t^mB v^vK^tK c^kv^k Kⁱv i^mg^o t^m A^Ro K^ti w^b G^Lt^bv| G^Lt^bv t^m v^tR^tK^u Ges
c^wi c^wk[¶]¶[¶] m^ev^Bt^K A^vk[¶] B Kⁱt^Z P^vq t^h m^gv^R w^bo w^ee^vn^Z m^uK^og[¶]nⁱ e^vB^ti Z^ui A^b t^Kv^tb^v
R^Mr t^bB| v[¶]g^x-m^sm^vtⁱ l GB A^vk[¶] u^K c^oq^vR^b| g^un^j v^t i t^h w^bi[¶]k A^vb^ut^Z i l c^ti c^wi e^vi
b^ug^K c^oZ^ov^bU^v w^ut^K A^vt^Q, t^mB A^vb^ut^Z i t^j k^gv^l t^h A^b t^Kv^vl e^wq^Z n^tQ b^v, t^m w^el^tq
A^vk[¶] t^o c^oq^vR^b A^vt^Q e^wk! Z^ey^aU^o A^vg^vi w^kO^tZ^B t^o n^w¶[¶] b^v| i i t^ZB t^qv *Symposium*-G
t^c¶[¶] D^x¶[¶] t^hb G^K n^vR A^vt^jv i S^j K^wb w^tm^te K^vR K^ti^tQ| G^Lv^tb e^jv n^tq^tQ, g^un^j t^Ki v[¶]¶[¶]
v^mtⁱ i g^ta t^hb t^Kv^tb^v e^Ut^Zi m^uK^oM^to D^Vt^Z b^v c^vtⁱ, t^m w^el^qU^v w^bo^Z Kⁱv i K^vi| K^vi^Y
t^ht^Kv^tb^v e^Ut^Zi m^ut^o A^bv^o D^t¶[¶] t^o m^vt^{_} f^vt^j v^em^vi l D^rm^vY N^Uv^tZ c^vtⁱ, h^v g^un^j K^c¶[¶]
k^u¶[¶] K[¶]¶[¶] K^ti| m^sm^vi m^uK^oK^vWtgv g^un^j K^hL^b v[¶]g^x A^vi v[¶]g^x h^Lb v^m Ges G^Uv^B h^Lb w^bq^g
Ges GB w^bq^gU^tK eⁿv^j i^vL^vB h^Lb D^t¶[¶] k^o, Z^Lb t^Kb t^h t^gt^qtⁱ e^Ut^Z¶[¶]K m^wiⁿt^Z e^v R^xe^tb m[¶]K^vi
Kⁱv n^q b^v e^v v[¶]K^uZ t^qv n^q b^v t^mU^v L^wb^KU^v t^Lv^j v^mv n^q e^wk!

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K^veⁱx M^riq^b c^oe^wU^K, m^t A^av^cK, i^vR^kiⁿx w^ek^te^o v[¶]¶[¶] q, D[¶]¶[¶]¶[¶] v[¶]¶[¶] B^sj t^u A^e v^obi Z| k^ga^yeⁿb^d@y^ah^oo^o.c^om|