



ghP v ev `fKwZ tctq `vtK | Gfvte `k0 ntZ, m`eZ: mefkl gtbwe`mn mKj AvbMZ kvLv  
 wb:mZ ntqtQ | GZ`mtEj, `k0 GKwU wfbzi | Abb` aiþbi AvbMZ kvLv wnmvte Zvi `fZsjtK  
 eRvq tiþLq | `k0 nq me mgqB tKvb wKQ0i `k0, tKvb wcltqi `k0 | kpy`k0- Ggb wKQytbB |  
 `k0bi I `k0 ntZ cvti | Avmtj, `k0-Gi tKvb meRb `fKZ I Av`k0tKvb msAvl tbB | 0Avtbi  
 c0Z AbjvM0 wnmvte `k0bi Kw\_Z msAvwU | gj Z: cwi wPwZgj K, `k0bi msAv bq | `vk0K wnmvte  
 cwi wPZ e`w3etMP KgRvt0i tgsj K w`K, tj vtK wPwyZ Kivi gva`tg Avgiv `k0 m`utK0avi bv jvf  
 KiþZ cwi | `k0b wbePvi evt`i tKvb mthwM tbB | Ab`vb` AvbMZ kvLv KZK, tj v wclqtK `Z:wmx  
 mPbv-we`y wnmvte wbePvti M0b Kti tbq Ges GKUv wv`0 chq chS-wMtq t\_tg cto | `k0 Ggb  
 aiþbi wclq thLvþb th tKvb Kw\_Z mPbv-we`y ev tKvb Kw\_Z `Z:wmtxi e`vcvti | c0ketZvj vi  
 Aewi Z I wb:mskq AeKvk itqtQ | gj Z: tKvb wclkl `k0 ej þZ Avgiv eSe tmB wv`0 AvbMZ  
 kvLv i i`0i c0eRvi wK0tktli cieZx`msuk0-wclqmgþni (issues) AvbZwEjK Avtj vPbv | mZivs  
 GK\_v ej v thþZ cvti th, mKj c0vb AvbMZ kvLvi DrcwE-ce0 mgwB-cieZx`AskmgNB `k0bi  
 Avtj vP` wclq hv `k0bi wewfb0kvLv wnmvte cwi wPZ |

**wbþiU ZwEjK AvbMZ kvLv wnmvte `k0:**

me wcltqi Avw` I Avšg w`K wnmvte GK At`me AvbMZ kvLvB gj Z: `k0bi m`c0wvi Z  
 kvLv | Z\_wc, `k0 Ab`vb` mKj wcltqi gZB GKwU `ZSj wclq wnmvte wbþRi Av`Ej AqjbetiþLq  
 Ges A`vewa Zv `ZSj GKwU AvbMZ kvLv wnmvteB cwZ I PwPZ nt`Q | Ab`vb` kvLv thLvþb  
 wbþRt`i ev`e ev e`envwi K wclqmgþni wbQK ZEjxq wfwE wby0 KtiB mš0 `k0 þmLvþb th tKvb  
 ZtEjB ZEj Awie0vti i c0vmx | `k0bi GB AwakZi (beyond) AM0ni nlqvi wbi ew`Qb0ec0YZvi  
 KviþB `k0 i x ZwEjK `ewkt0`i GKwU AvbMZ kvLv wnmvte A`vewa i tq tMtQ Ges wv0ZfvteB  
 gvbe-mf`Zvi tkl chS-wtK `vKte | `vk0K Ggb GKRb MtelK hvþK e`emv-ewbþR`i Lei  
 ivLþZ nqbv, tKvb Kvi Lvbi mvt`I wZwb msuk0-bb | ZvtK KvR KiþZ nqbv tKvb MtelYvMvti, tKvb  
 wclkl hšcwZi ZvtK e`envi KiþZ t`Lv hvqbv | mgwRK I iv0tq KgRv0i Zvi wbeo cZ`qjþYi  
 wclq bq | wPšb-B ntj v Zvi me wKQ | wPšþbi e`MZ Dcv`vbmþni AwZeZx`Zvi wPšþbi gj t`qj |  
 `vk0þKi wPšþb Zvi kixwi KgRvt0i gZB Gme e`MZ Dcv`vb mwµq, c0qvRbxq wKš`A-msuk0 |  
 `k0-PP0q tešwK hv3B ntj v gv-Kgx`wK0t hšcwZi fwgKvq | ejxmasZ, ZwEjK I tgvj K  
 hv3PP0B `k0bi cxwZ | Aek` Zv AvBþteEv`i wPvivy tqi hv3PP0 bq | eis Avþbi wfwE wK0t  
 Kw\_Z tKvb wfwEi wfwE m`utK0tešwK hv3PP0B `k0 (Gt`qjþ Zv Avþbi `k0) | `vk0K i i`  
 KtiB hv3 w`tq, AM0ni nb tKej gvT hv3 i gva`tg Ges tkl KtiB tKvb þšw3K Abgvb (rational  
 argument) w`tq | tKvb thšw3K Abgvþbi c`qj mjmsMZ (consistent) hv3 c0vb I wclklYB  
 GKRb `vk0þKi KvR | `k0 ewnfZ Acivci AvbMZ kvLvmþn MtelYv nj m`uY0biþc`q aiþbi  
 (objective) | wKš`k0b `vk0þKi `w0f`2x Zvi mvgwMK wPšvaviq GKwU AZ`š`i`Zcy0 tK`iq  
 fwgKv cvj b Kti | mKj wcltqi gZ `k0I ev`e RMZ wbþqB KvR Kti, cv`R` GZUKb th, `k0  
 A-c0tqwmK cxwZþZ ZtEj ZEj wbi fctb wclqwmRZ `vtK |

**`k0b MtelYv cxwZZEj:**

Dcti hv ej v nj Zvi gvþb GB bq th `k0b MtelYv cxwZ wclktli Avt`š c0qvRb tbB | gj  
 K\_v nj, `k0b th aiþbi MtelYv cxwZ Ae j`b KiþZ nq Zv `ewk0`MZ w`K t`þK wfbzi | `vk0K  
 MtelYv cxwZZEj Ggb aiþbi MtelYv cxwZ Abjny Kti thLvþb bgpvq, DcvE msM0, cwi msL`vb  
 I Mwytzi mrvþh` c0Kí bwi`qv - BZ`Kvi wclqw`i c0qvRb tbB | Aek` MtelYv cxwZi wKQy  
 mvavi b wclq itqtQ th\_wj `k0 I `k0 ewnfZ Dfq c0Kvti i MtelYvq mgc0hvR` | tmme wclq nj :

MtelYvi avcmg#ni μgweb"vm, Avtj vP" vel tqi mfvqb ev mjbw`θKiY I MtelYv-Kg©Dc`vct#bi aib| Gi mvt\_ itqtQ MtelYv0i wefbcw`tki Awfbw`tkSkj, thgb - MtelYv-KtgP e`MZ Dcv`vbm#ni web"vm, cov I tj Lvi mnR I KvhRi tkSkj BZ`w` | Gme mvhR`i Rb` `k0 I Ab`vb` wvwmvct#bi cxwZZEj GK gtb Kiv hy³hy³ bq|

**0Rxeb `k00-Gi `tfc:**

0Rxebi Rb` `k0 ev Rxeb-`k00 ai#bi K\_v\_tjv hZUv k0wZgaj ZZUV A`u0| tKbbv `k0 nt`Q GKwJ evQvB-h#sj gZ| th hsj#ej t`te tKvb vel tq (claim) ct#l I wect#l wK wK hy³ ntZ cvti | tKvb we#kl hy³tk Awakzi kw³kuj x we#Pbv Kti tmB hy³0i ct#l wmvš-tbqv th#Z cvti etU wKš`Zvi wecixZ hy³ I `vk0K we#Pbvq me0v hy³-hy³ (valid) we#PZ nte| tKvb gZ we#kl#k `k0 Abt#gw`Z GKgvI I Povš-wmvš-wmvte `vex KivUv wvZvšB Aev`e| `k#bi Avl Zvq Ggb tKvb vel q t`Lv hvqbv hvi wecixZ tKvb `vk0K hy³ tbB| `k#b GKmgq Avtj wPZ ntZv, GLb hv0i wecixZ tKvb `vk0K hy³ Avi Aewk0 tbB - Ggb tKvb vel q vKtj Zv wv0ZfvteB BtZvgta` `k#bi Avl Zv ntZ tawi tq tKvb ctqwmK (empirical) AvbMZ kvLvq Abvtcw#lK m# wmvte AšF0 ntqtQ ejv hvq| hy³ web`vtmi gva`tg `k0 Avgvt`i tK tKvb we#kl weklm#k wv0Z wmvš-wmvte M0b KitZ (wbi#ct#l-`w0f#xtZ) mnvqZv Kti | `k#bi hy³web"vm ntZ tKD tKvb we#kl wbt`Rbv M0b KitZ cvti, wKš` tKvb Ae`vtZB `k0 `qs tKvb wv0qZv t`qbv| `k#bi Acwvnh0Zv GLv#B th, tKej gvI `k#biB mnvqZvq RwJ ZEMZ tKvb vel tq Avgiv Awakzi M0bthvM` tKvb wmvš-tcš0tZ cwil | G0 ai#bi vel qmgntKB ejv th#Z cvti-Rxebi Rb` `k0 ev Rxeb-`k0| `šZ0 th, tKvb `vk0tkiB mKj MtelYv-Kg0`vk0K (Philosophical) bq| `vk0KI GKRb gvbl, tKvb we#kl h#Mi Aaxtb we`gvb mgvtRi GKRb m`m`| gZwe#klI Dci wvF#kxj Zv (identified intention) mvavbZ: `vk0Kt`i gZev`mgntK wecixZ hy³i wKkvti cwiyZ Kti Ges msuk0-wel tq wfb0zi tKvb gZev`i mPbv Kti | `k#bi weKvtk G ai#bi e`w0MZ c0Yzv GKwJ mμq fvgKv cvjb Kti, hw`I Zv `k#bi gj tPZbv we#vax| `k0 ntjv Avtbi gj aviv hv me#`vtZB `xq tgšvj KZtK ev#P#q ivtL| tKvb Kw\_Z h#MvExY0 mgvavb 0`k00 e`eüZ ntZ cvti, wKš` h#MvExY0 tKvb mgvavb Z\_v gxgvsimZ tKvb `vk0K mZ` (hvi vel tq mKj `vk0K BtZvgta`B GKgZ ntqtQb) Ggb vel tq Avgiv AeMZ bB| Avgvt`i e`w0MZ, mvgwRK I iv0q tKvb vel tq e`envwi K wmvš-t`qv `k#bi KivR bq| eis Gme vel tq wefbcw`tki hy³ Ztj ati `k0 Avgvt`i tK wvR `vq-`wqtZj GKwJ Awakzi M0bthvM` weKí wbe#tb mnvqZv Kti | G ai#bi vel qtKB mvavbZ: 0Rxebi Rb` `k00 wmvte ejv ntq v#K| `k#bi gva`tg e`w0gvbl Avtj wKZ ntZ cvti, hvi dtj tm Rxebi wefbcw`ev`eZv m0útk0Awakzi mwK wmvš-M0b KitZ cvti | Kw\_Z Rxeb-`k#bi GUVB ntjv `tfc|

**`vk0Kt`i wefbcw`envwi K `vex (claims of 'practical'):**

tKvb tKvb `vk0KtK t`Lv hvq Zuv `xq `vk0K ZtEj `ct#l tKvb we#kl ctqwmK ev e`envwi K vel qtK tUtB Gtb we#kl ai#bi Kg0cšv Ae#tbi tRvi mpcwilk Kti#Qb| G t#l#t wZvb `vk0K MtelYvi fj c0qvM Kti#Qb - G K\_v wv00vq ejv hvq| GUV ntZB cvti th GKRb `vk0K A-`vk0Kmj f AvPiY Kti#Qb thgb GKRb `eÁw0K, A-`eÁw0K cšvq tKvb KvR KitZ cvtib| tKbbv, `eÁw0K nI qv Avi weÁv0gb` nI qv GK bq| tZgwbfvte GKRb `vk0KI e`envwi K we#kl tKvb Kg0cšv Ae#tbi Rb` ZvtZ 0`vk0K0 ghP vi `vex KitZ cvtib| G t#l#t msuk0-`vk0K nqZ tevSvtZ Pvb th, vel qwJ Zvii we#Pbvq `k#bi gv#`tU DExY0 hw`I Avgiv Rwb th `k#bi gv#`tU cwicY#vte DExY0 tKvb vel q c0vY Kiv AZ`š-`jfn| Avgiv BtZvct#B D#j tKtiwQ, G



c0ZwbqZ wefbae bWZK m x v s - M0b Ki t Z nq | G t q t i g v b l ` k f b i t e s i x K h y 3 w e b v t m i m n v q Z v M 0 b K i t e - G U v B ` v f w e K | G e s m s i k e ` v k 0 K i v l G t q t i m n v q K f u g K v c v j b K i t Z c v t i A \_ P G K U v A w a K Z i t h s i 3 K w K - w b t ` R b v w t z c v t i | w K s t K v b u t g B Z v w P w K r m K t i i t c k v M Z c i v g k 0 t m e v 0 i g Z b q | K v i b , ` k f b t Z g b t K v b c 0 w Y Z Z E M Z J l a e v c 0 Z t l a K t b B | e e n w i K b x i Z w e ` v i w K - w b t ` R b v , t j v Z v B c 0 q v R b x q n t j l ` k f b i A g x g v s i m Z g j m g m ` v , t j v i D c i w b f P k x j |

**`k0 hy3we`v I Awawe`v:**

hy3we`v `k0bi GKw Acwi nh0 w`K | Gi gvfb GB bq th `k0 I hy3we`v GKB w el q | `k0 hy3we`vi w e t k l K t i m b v Z b x h y 3 w e ` v i e v c K c 0 q v M \_ v K t j l h y 3 w e ` v ` q s ` v k 0 K M t e l Y v i A v l Z v f 3 | h y 3 w e ` v i w b q g l w f w E m g n ` k 0 G t m w f w E M Z c 0 k e g f L v g w l n t q ` x q A w b e v h 0 Z v i t M S i e n w i t q t d t j | h y 3 w e ` v ` k 0 b i A b ` Z g n w i Z q v i g v l , t k l G e s m e w K O y b q | m t e P P G Z U K z e j v h v q t h , h y 3 w e ` v ` k 0 b i A v K v i , A v S i - D c v ` v b ( c o n t e n t ) b q | w ` w d t j v m i d A d j w R K 3 R v Z x q c y ` K w i t z G Z ` w e l t q w e ` w i Z A v t j v P b v c w i j w q t Z n q |

`k0 Awawe`v w e t i v a x w e s k k Z v a x i c 0 i w K K v t j i c 0 Y Z v h L b c 0 q t t g G t m t 0 G e s Z v t ` i e u j c 0 w i Z d v D t U k w j R g h L b c 0 v ` c m v i Y K i t Z K i t Z K w \_ Z ` e j w f w E m g n t K l ` x K w Z ` v t b w 0 a v n x b Z L b ` k 0 b i A w a w e ` v i ` v b c Y t g j ` w i q Z n t e - G U v B ` v f w e K | A v m t j A w a w e ` v n j ` k 0 b i m e t P t q ` i " Z c Y 0 k v L v | b x i Z w e ` v , A v b i e ` v 0 i g Z A w Z ` i " Z c Y 0 k v L v m g n l A w a w e w ` K ` w 0 f / x i D c i w b f P k x j | A w ` e v c 0 K Z m Z ` w b Y t q ` k 0 b i c 0 P 0 v A w a w e ` v w t q ` i i " n t q A w a w e ` v t Z B c 0 z e Z Y K t i | w K s , A w a w e ` v g v t b B ` k 0 b q | A v m t j ` k 0 l ` k 0 b i A v m u g Y ( c h a l l e n g e ) t t K w b i v c ` b q | 0 0 w d t j v m i d A e w d t j v m i d 0 0 4 R v Z x q t j L v q G a i t b i t g U w d t j v m i d K ` i j w e l q , t j v i P g r K v i A v t j v P b v c v l q v h v q |

**Mtel Yvi mvari b ch0mgna:**

wi m v P 0 t g t v t W v j w R m s p u s - m e t j L v t Z B M t e l Y v c x w Z i K Z K , t j v A w f b e a v c j q i K i v h v q | w e f b a e t j L K G , t j v w f b e w f b e D c ` v c b v - f 1 / 2 t Z m s w q t B A \_ e v w e ` w i Z f i t e e Y 0 v K i t j l M t e l Y v c x w Z Z E j m s p u s - m K j M 0 s M t e l Y v a v c , t j v t g S i j K f v t e G K B i K t g w e e Z | w b t a e M t e l Y v i G a i t b i G K w m v a v i b ( c o m m o n ) c x w Z M Z w P I 5 Z t j a t i A v g i v t ` L v t Z P v B t h , ` k 0 b i t g S i j K M t e l Y v i R b ` G K w m A b b ` a i t b i w e t k l M t e l Y v c x w Z 0 i ` i K v i h v t K v b a i t b i e e n w i K D c v E - w b f P b v n t q n t e ` i x t e s i x K h y 3 w b f P | D t j L , ` v k 0 K A w f A Z v e v ` l g j Z : t e s i x K e v t h s i 3 K A w f A Z v e v ` | m v a i b g v b t l i A c w i k w j Z R o B i w ` q - A b y f w Z t h L v t b e y x - w e h y 3 ` i a B B i w ` q v b y f w Z , t m L v t b t K v b ` v k 0 K w e t k l h L b B i w ` q A w f A Z v t K B A v t b i c 0 K Z D r m e t j g t b K t i b Z L b g t b i v L t Z n t e , m s i k e ` v k 0 K m y n s e x c 0 A w i s Z c 0 q u q t Z B , h \_ v h \_ w P s t b i g v a t g B w Z w b ` x q w e t e P b v q w b w 0 Z n t q t Q b t h , B i w ` q A w f A Z v B A v t b i w b f P t h v M i D r m |

h v t n v K , w b t a e ` k 0 - e w f z A v b M Z k v L v m g n A b m Z M t e l Y v i c h 0 m g n i G K w m s w q t B e Y 0 v Z t j a i v n j | M t e l Y v i G B m v a v i b c x w Z i

- 1. 0 m a e ` Z v w e t e P b v 0 ,

3. Wne0: w e . t K i q v B b , w d t j v m i d A d j w R K , ( b Z b w j x - t c b u l m - n j , 1 9 7 0 )  
4. t g v m i l g u j W i , K b t U g c i ` i x G t c 0 P m U z w d t j v m i d ( w b D B q K 0 g v K u g j v b c v e j i w s t K v u v b x , 1 9 9 4 ) c ; 2 - 1 3  
5. w b t a e ` 0 w M 0 s i m s i k e - A v t j v P b v n t z c 0 t 0 i G B A s k U K z ` Z i x K i v n t q t 0 : G m . G g . A w g b j 4 v g v b , B b t U w w K K b U z t m v k ` i j w i m v P 0 X v K v : e i s j v t ` k c v e j k v m 0 ( 1 9 9 1 ) G e s w e . G b . t N v l , m i t q u w i d K t g \_ W G U t m i k ` i j w i m v P 0 3 q m s ` i Y , ( b Z b w j x - v i w j s c v e j i k v m 0 c 0 B t f U w j w g t U W , 1 9 9 2 )

- 2. ÚcKí I avi bvŃ,
- 3. ÚDcvĚ msMŃ I weŧkHŃ
- 4. Ges ÚcKí cixŧŧŃ

-GB Ask ŧj v AbŧwŧK wPŠb wbfŧ ŧvkŧK Mŧel Yv c×wZi ŧŧŧŧ cŧmwŧK bq wetewPZ nŧe|

Mŧel Yvi welq wbaŧŧ b:

hv wKŌy Avgvŧ i ŧK AvMŃx Kŧi ŧZvŧj , Avgvŧ i gŧa" Abŧmwŧrmv mwŃ Kŧi A\_ev Ggb aiŧbi cŌkŧe Rbŧŧ q GLŧbv hvi DĚi ŧ qv nqwb - G ŧj vB nŧ"Ō Mŧel Yvi cŌKZ ŧŧŧŧ | Mŧel Yvi welq-e" AZŠ-cwi ŧvi fvŧe ewYŧ nŧZ nŧe| Z ŧcwi , Gi mwŧw ŧ j ŧŧŧŧ ŧvKŧZ nŧe|

Mŧel Yvi welq-e" i wŧŧivbvŧ:

wbeŧPZ Mŧel Yvi welq-e"ŧK hZ Kg mŧe kŧŧ Gkŧw cYŧ e"vKiYMZ evŧK" cŌKvK KiŧZ nŧe| wŧŧivbvŧw Ggb nŧZ nŧe hvŧZ Mŧel ŧKi kvixwi K DcwŧwZ I miwmi e"vL"v Ōvovl th ŧKD, msŧkŧe-welq-e" i mvŧ\_ HK"gz ŧcvLY Ki"K ev bv Ki"K, GB wŧŧivbvŧgi Aaxŧb cŧweZ Mŧel Yv KgŃ mŧúŧKŧmg"K avi bv jvf KiŧZ cviŧe| GB chŧŧq Mŧel KŧK wZbwŧ KvR KiŧZ nq: K. gj cŌZcv" welŧq cŌkŧe AeZvi Yv, L. cŌwŧŧK mŧeci wnmvŧe Dc"vcbv I M. Mŧel Yvi welq wnmvŧe cŌwŧŧK mwŧw ŧ Kiv|

cŧmwŧK mgm"v wPwŧZKi Y:

AwaKvsk ŧŧŧŧ Mŧel Yvi welq-e" wnmvŧe ŧKvb mgm"v GZUvB e"vcK nq th ŧmwŧŧK KZK Dc-mgm"v ev cŧmwŧK welqmwŧŧZ wef<sup>3</sup> Kiv Ōvov cwi ŧvi Kŧi Zŧj aiv Kwŧb nŧq cŧo| cŌZwŧ cŧmwŧK mgm"vi Gkŧw Abjŧc ev thŠw<sup>3</sup>K ŧŧŧŧ ŧvKv evĀbxq| G aiŧbi cŧmwŧK mgm"v gj mgm"vi mvŧ\_ mŧú<sup>3</sup> nŧZ nŧe|

mŧe"Zv weŧePbv:

Mŧel ŧKi Rb" wbaŧŧi Z mgŧŧi gŧa" wbeŧPZ Ōmgm"vŌwi welŧq mŧšw RbKfvŧe Mŧel Yv KgŃ mŧúv"b mŧe nŧZ nŧe| GiB mvŧ\_ iŧŧŧŧ D<sup>3</sup> Mŧel Yvq cŌqvRbxq A\_ŌI ŧjvKeŧji wŧŧŧZv, cŌqvRbxq hšcwwZ I tmme Pj vbvq ŧŧ Mŧel Yv-mnKvixi mnŧhwMzv, wbaŧŧi Z Mŧel Yv Kŧŧŧ DcŧhwMzv BZ"w | Avl Zveŧŧŧŧ ŧKvb welŧq Mŧel Yv Kiv GkŧvWwŧK Mŧel Yvi gj avi bvi wecixZ | welq-e" i mvŧ\_ Mfxi mŧú<sup>3</sup>Zv:

wbaŧŧi Z welŧq e"vcK cvb, tmwŧbvi-cŧŌ Dc"vcbv, msŧkŧe-wŧŧkl Áŧ" i mvŧ\_ gZ weŧbgq I mnŧhwMzv MŃŧbi gvaŧŧ Mŧel KŧK Zvi mgm"vi mvŧ\_ Mfxi mŧú<sup>3</sup>Zv ARŌ KiŧZ nq| Gfvŧe GKRB Mŧel K GKB welŧq wfbŧŧi gvŧv I bzŧb w ŧKi mŧŧhvRŧb Dcj wä I cŧwebvŧ mŧŧg nq| cŌKí I avi bv:

Mŧel Yv i i"i ci Mŧel K Zvi wbaŧŧi Z welŧq Gkŧw ceŌavi bv Kŧib hvŧK Avgiv cŌKí wnmvŧe wPwŧZ KiŧZ cwi | Gŧŧŧŧ wZwb GkŧwaK Pj ŧKi gŧa" Gkŧw mŧúKŧK Abŧvb Kŧib hv cieZxŧZ DcvĚ weŧkHŧYi gvaŧŧ cŌvb Kŧi ŧ LvŧZ nq| avi bv (assumption)Ōi wfvĚŧZ cŌKí (hypothesis) MwZ nq| GB chŧŧq th mKj cŌŧqwmK Pj K (empirical variables) e"eüz nŧe Zv wbaŧŧ b KiŧZ nq|

Mŧel Yv c×wZ wbaŧŧ b:

ŧKvb&c×wZŧZ ev ŧKvb&ŧKvb&c×wZi mgšŧŧ Mŧel Yv mŧúv"b Kiv nŧe Zv ŧKvb Mŧel Yv Kŧŧŧ mwŧúŌfvŧe Dŧj H-KiŧZ nq| ŧKvb weŧkl Mŧel Yvq wK ŧKvb Mŧel Yv c×wZ AwaKZi dj cŧn-nŧe Zv wbfŧ Kŧi Mŧel Yv Kij , cŌBe" e"MZ ms"vb, mnbxq wbiŧŧwMz fŧj i gvŧv Ges cŌZ"wkZ cŌŧB-wŧŧŧZv (accuracy of findings) BZ"w welŧŧi Dci | Mŧel K cŌqvRŧb GkŧwaK c×wZŧK GkŧwŧZ



hvl qvi tPóv A\_ev tKvb wełtqi tKvb ōcōwibZŌ ev meŕkl ōK\_v'i cieZxŕZ wK nŕZ cŕti Zv wbtq  
 thš<sup>3</sup>K Abgvb KivB nŕjv `kŕbi KvR| G tŕtŕ msŕkē-welq `kŕbi GKwJ kvLv wnmvŕe cwi MŕYZ  
 nq| thgb: ivó<sup>a</sup> weÁvŕbi wełq wbtq ivó<sup>a</sup> `kŕ, mgvR weÁvŕbi wełq wbtq mgvR `kŕ, `bwZKZvi  
 cŕwŕj Z avibv ŕjvŕK wbtq bwZ `kŕ, ag<sup>o</sup>wbtq ag<sup>o</sup> `kŕ, BwZnm wbtq BwZnm `kŕ, weÁvb wbtq  
 weÁvŕbi `kŕ, AvBb m<sup>a</sup>úŕK<sup>o</sup>AvBŕbi `kŕ BZ<sup>w</sup> | ZŕĒj ZĒj wŕYŕqi GB cĒYZv | tgšŕj K %wŕkó<sup>o</sup>B  
 `kŕbi Rb<sup>o</sup> GKwJ weŕkl MŕelYv c<sup>w</sup>Zi cŕqvRbxqZvŕK wbt<sup>o</sup> R Kŕi | Aek<sup>o</sup>, `kŕbi msÁvi gZB  
 `vkŕKŕ<sup>o</sup> i AvPwi Z c<sup>w</sup>ZB `vkŕK MŕelYv c<sup>w</sup>Zi cŕKZ cwiPq| GB c<sup>w</sup>Z hŕM hŕM `vkŕKiv  
 AbŕniY Kŕi GŕmŕQb| `vkŕKiv KLŕbv weŕkl bŕŕgi tKvb MŕelYv c<sup>w</sup>Zi Rb<sup>o</sup> Aŕcŕv Kŕibw|  
 `vkŕK c<sup>w</sup>Zŕi weŕkl tKvb bvgKiY, ifŕtiLv cŕqb ev G wełq tKvb weZŕK<sup>o</sup>wj ŕ nŕZ  
 `vkŕKŕ<sup>o</sup> iŕK mŕavibZ ŕ<sup>o</sup> Lv hvqbv| `kŕbi AšMŕ %wŕkó<sup>o</sup>B `vkŕK MŕelYv c<sup>w</sup>ZŕK `vkŕKŕ<sup>o</sup> i  
 MŕelYv cŕμqvq ŕ<sup>o</sup>Z:mμq tiŕLŕQ| `vkŕKŕ<sup>o</sup> i AbŕnZ GB MŕelYv c<sup>w</sup>ZŕK Argiv ōAba<sup>o</sup>wbK  
 mŕmsMZ ŕeš<sup>3</sup>xK hŕ<sup>3</sup>-web<sup>o</sup>vmŕ wnmvŕe AvL<sup>o</sup>wqZ KiŕZ cwi |