db 7o o

V Ω o p o n

Pw±y≥y×±J ×y~b ΔΔµu≤≤y×±au≤y≤≥×µ3M~qw≤x yΔ buµyu≤

---

l Ω LVi AAC@AF@DBS 7V Ω v V p

X ~≤uf y≥x≤≥q±t e×~≥qwuA: 6| e .Xuq| / 3P±t ≤≥µ Oywxu≤≥

WΔuµq≥y±wcu° Δuµq≥µuA3; ; J 19; 6 J

au≤y≤≥q±su aq±wuA7| 86|

X× uµaq±wuA8f 76f

c×uµq±suA 76+ .S/ 5 86+ .U/

cJaA3@66 966 ΔΔ° 5 J .VcJ 3Vuwq≥y u cu° Δuµq≥µu J×uwysyu±≥≠

P±≤~q≥y×±au≤y≤≥q±suA 72666 U

Xqµq≤yys P±t s≥q±suAC647 O .V×±3P±t s≥y u/

OgWau≤y≤≥µ µu≤y≤≥µG x ×3sµ4s± 1>< 79; 76866<; 6

4x ×3sµ4s±

OgWau≤y≤≥µ µu≤y≤≥µG x ×3sµ4s± 1>< 79; 76866<; 6

A8l k

cxu PN3b ≤uiµu≤y≤OgWau≤y≥≈µ≤vqw≤xyΔ yw±y≥y×±s×y~≤ΔΔµu≤≤y×±µu≤y≥≈µ2wuq≥µy±wq suµq° ys ≤≈yt ±×±3y±t s≥y u s×±≤µ s≥y×± y≥x Δq≥u±≥at Juµq° ys i ×±u J×±t s≥y×±cusx±×~×w .JV 77967<6: 8 H/4P≥µuΔµu≤u±≥≈xu Δy±±qs~u ×vOgW-≤µu≤y≥≈µ≥usx±×~×w 2 tu~y uiµy±w ≥xu xywxu≥Δ ~≤u y≥x≤q±t ×~≥qwu .: 6| e/2 u ≥u° u ≥u° Δuiµq≥µu ≥≈uiµq±su .9; 6 J/2 q±t yµ≥q~ uµ× Δqiµq≤y≥s y±t s≥q±su .C647 O/4

cxu PN3b ≤uiµu≤y≤t u≤yw±ut v×µ qΔΔ~ysq≥y×±≤t u° q±t y±w ≥xu ~≥y° q≥u y± Δuiµv×µ° q±su q±t µu~yqr yy≥A xywx3Δuiµv×µ° q±su ° ×≥≈µs s~u≤2≥µr ×sxqiµwut u±wy±u≤2µqsy±w2° y≥≈qiµ 5quiµ×≤Δqsu2q±t y±t ≤±pyq~u ≥u° u u±yµ×±° u±≥≈4P≥≤ ±yΩ u vqy~ µu ° ×t u .wiqt q~µu≤y≥≈q±su t µw≥iq≥xuiµ≥xq±≤t t u±×Δu±sy≥s y≠Δµ× yt u≤≤Δuiµy×µuqiµ~ qiµ±y±wy±≤qwu≥3sµy≥sq~qΔΔ~ysq≥y×±≤4

B8l Ω V Ω v V p

B8A p k

Xq≥u±≥JV 77967<6: 8 H3-Xuu~y±wHµuq J×±t s≥y×±cusx±×~×w -Acxµ× wx q ≤Δusyq~y ut ≤y±≥aiµy±waΔµ×su≤≤2s×±t s≥y u ×±u≤q±t y±≤~q≥y±w ×±u≤qiµu Δµusy≤u~ t y≤±pyr ≥at y≥xy±≥xu suiµq° ys r ×t 4d±≠y| u ≥iqt y≥y×±q~suiµq° ys ≤≈yt µu≤y≥≈µ≤ xuµu s×±t s≥y u Δxq≤u≤qiµu ±yw×µ° ~ t y≤±pyr ≥at .~uqt y±w ≥×u~us≥±ys wyu~t s×±su±≥iq≥a≤±pq≥y×± q±t r µuq| t × ±q≥xywx ×~≥qwu/2 OgW-≤Δq≥u±≥at ≥usx±×~×w siµq≥u≤° ~≥yΔ~u Δqiµq~u~s×±t s≥y u Δq≥x≤ y≥x q -Δuu~y±w-t y≤±pyr ≥y×±Δq≥aiµ±4

B8B f S Ω Ω

S Ω Ω	W	T
Myu~t d±≠w×µ° y≥	L~y° y±q≥u≤~×sq~u~us≥±ys wyu~t s×±su±≥iq≥y×±	96+ xywxuµ y≥x≤q±t ×~≥qwu
aut ±t q±≥Xq≥x≤	U ~≥yΔ~u Δqiµq~u~s×±t s≥y u Δq≥x≤	Niµqsuv ~vqy~ µu° ×t u
bu~v8Ouq~y±w	Uy±×µ~×sq~r µuq| t × ±≤qiµ ±×±3sq~q≤±p×Δxys	Oywxuµµu~yqr yy≥
V×±3P±t s≥y u	J µu±≥v× ≤ ±yw×µ° ~ ≥xµ× wx r ÷| suiµq° ys	C647 O y±t s≥q±su

C8W Ω o Ω

C8A l nΩ

l Ω Ω	o Ω
aq≥at X× uµaq±wu	8f 76f .q≥8; J q° r yu±≠
J×° ° ×±X× uµNiµqt u≤	9f .° ×≥≈µs s~u/2; f .q ≥≠/2= 76f .µqsy±w5y±t ≤±pyq~/
Kuiµq≥y±waus×° ° u±t q≥y×±	Hs≥q~Δ× uµ =6+ ×vµq≥at Δ× uµ
bx×µ≥≥aiµ° W uµ×qt	74 µq≥at Δ× uµv×µ76≤2 a 7+
V×≥u	Juiµq° ys ≤≈yt xq≤xywxuµ≥xuiµ° q~sqΔqsy≥ ≥xq± yµu × ±t

C8B n Ω nΩ

l Ω Ω	o Ω

l Ω Ω	o Ω
V ×° y±q~aq±wu	7| 86|
L3buıµu≤b≥q±t qµt eq~ u≤	7| 2848| 2949| 2: 4=| 2; 47| 2; 4<| 2<4>| 276| 27; | 286|
U ×≤≥J ×° ° ×±eq~ u≤	; | 76| .xywx Δuµw/276| 7; | .y±t ≤qyq~/
J ≤≥×° eq~ u≤	H qy~qr~u Δ×±µuΩ u≤≥ y≥xy±µq±wu

C8Cl s Ω r Ω

l Ω Ω	o Ω
Uq X ~≤ıf y≥x≤≥q±t e×≥qwu	: 6| e .Δuq| / 3P±t ≤≥µ Oywxu≤≥
cu≤≥f q uv×µ°	7485; 6 ≤≤≥q±t qµt ~ywx≥±y±wy° Δ ~≤ıu
J ×±y± × ≤f ×µ| y±we×≥qwu	dΔ ≥×8>| e .HJ5KJ/
bqwu≥ Uqµwy±	b ≤≥a° Δuq| ×÷≥qwu >6+ ×vµq≥y±w. 98| e/
cu≤≥b≥q±t qµt	PLJ <66<637

C8Dr Ω s Ω V Ω

V	db7V 2V Ω s 3	db7a 2a Ω 3	db7o 2V Ω o 3
Uq X ~≤ıe×≥qwu	96| e	8; | e	: 6| e
aus×° ° u±t ut b ≤≥a°	8: | e	86| e	98| e
HΔΔ~ysq≥y×±	b≥q±t qµt q ≥×5° ×≥×	Ls×±×°	Oywx Δuµw5u ≥±u° u

C8Ep Ω V Ω Ω

l Ω Ω	o Ω
WΔuµq≥y±wcu° Δuµq≥µu aq±wu	3; ; J 19; 6 J
b≥×qwu cu° Δuµq≥µu aq±wu	3; ; J 1: 66 J
cu° Δuµq≥µu J ×uwysyu±≥cJa/	3@66 966 ΔΔ° 5 J .VcJ/
cJa cu≤≥J ×±t y≥y×±	8; J 178; J
Oywx cu° ΔT×qt Tywu	9; 6 J27666x2 a 9+

C8Fi pV V Ω Ω 2A@ R BE V Z Ω 3

p Ω	n Ω rΩ	V Ω
3; ; J	7<4; |	1<; +
8; J	7646| .auwuµu±su/	6+
78; J	@47|	3@+
866 J	>4 |	37<+
966 J	=4; |	38; +
9; 6 J	=46|	396+

VcJ I u±uwy≥A Oywxuµ µu≤y≤q±su q≥s×t ≤≥qµ≥Δµ× yt u≤r u≥≥aµ LUP≤ΔΔµu≤≥y×±B~× uµ µu≤y≤q±su q≥×Δuµq≥y±w ≥a° Δuµq≥µu s×° Δu±≤q≥a≤v×µywt±y≥y×±u±uµw ~×≤≤2u±≤ µy±wµu~yqr~u yw±y≥y×±y±u ≥±u° u x uq≥4

C8Gp Ω 0 d Ω

l Ω Ω	o Ω
c ×uµq±su	S. 76+ /5U. 86+ /3R. ;+ /q qyqr ~u r ≤µuu±y±w
P±≤ ~q≥y×±au≤y≤q±su.b≥q±t qµt/	72666 U .;66e KJ/
P±≤ ~q≥y×±au≤y≤q±su.Hv≥uµOywx cu° Δ/	;66 U .9;6 J27xµ/
P±≤ ~q≥y×±au≤y≤q±su.Hv≥uµO ° yt y≥/	766 U .:6 J5@+ aO5: >x/
Kyu~us≥µs b≥µu±w≥x	74¸ µq≥at ×÷≥qwu v×µ7≤2±×r µuq| t × ±

C8l d Ω 0 a V Ω Ω

l Ω Ω	ɑb7o2V Ω o 3	ɑb7V2s 3
Xqµq≤y≥s P±t s≥q±su	C647 O.V ×±3P±t s≥y u/	7 ; O
MµuΩ u±s aq±wu	KJ 766UO	KJ 7UO
P° Δut q±su q≥76UO .76| /	764¸|	7<|
P° Δut q±su q≥, 6UO .76| /	78|	9;|
Oywx MµuΩI uxq y×µ	X µu~ µu≤y≤y u	P±t s≥y u t ×° y±q±≥

D8l Ω o

D8A o V

V	h Ω Ω	a	f n
Juµq° ys l ×t	byJ3r q≤ut s×±t s≥y u suµq° ys	au≤y≤q±su u~u° u±≥2t q~3Δxq≤u t y≤pyr ≥y×±	d±yw×µ° ysµ×≤pt s≥µu
L±t Uu≥q~y q≥y×±	Hw3Xt q~~× .by~ uµ3Xq~qt y ° /	Wx° ys s×±≥qs≥ y≥x u~us≥p×t u T×	s×±≥qs≥µu≤y≤q±su2xywx ≥a° Δ ≤qn~u
Uu≥q~L~us≥p×t u	J 5V y3Δ~q≥at .≤≥q±t qµt / ×µb≥qy±u≤≤b≥au~	L~us≥pysq~~uqt 3× ≥2° usxq±ysq~s×±±us≥y×±	X ~~v×µsu <6V2s×µ×≤y×±µu≤y≤q±≥≥

D8B W

l nΩ	p Ω o 2W g3	g Ω WΩ	l Ω Ω k
8f 9f	> 8;° ° 76 9;° °	746 74;° °	PN3H.J ~y±t µysq~Δ~ w/
;f =f	76 9;° ° 78 :;° °	74; 846° °	PN3H5PN3 .JqΔ≥Δu/
76f	78 :;° ° 7: ;6° °	846° °	PN3H5PN3 5J ≤≥x°

E8l V Ω Ω

E8A V Ω o l

Xµ×su≤≤v× A.7/aq ° q≥aµyq~° y y±wAbyJ Δ× t uµ.64; ; ° /1 suµq° ys ° q≥py Δ× t uµq≥Δµusy≤u µq≥y×B.8/bΔµq wµq± ~q≥y×±1 y≤×≤q≥ys Δµu≤≤y±w. 966UXq/B.9/Oywx ≥a° Δ ≤y±≥aµy±wq≥7<66 J 7>66 J v×µ8 : x× µ≤B.:/L±t ° u≥q~y q≥y×±A≤µuu±Δµy±≥y±w Hw3Xt Δq≤≥a2>66 J ≤y±≥aµy±wB.;/L~us≥p×t u y±≤q~q≥y×±A u~t y±w×µr µq y±wB.</b×µ≥y±wAµu≤y≤q±su wµqt y±w4

E8B m Ω V f l

l	V l Ω Ω	d h
aq ° q≥aµyq~µq≥y×	J×±t s≥y u Δxq≤u s×±≥a±≥ 64; +	f uywxy±w1 PJX q±q~ ≤y≤
by±≥aµy±w≥a° Δuµq≥µu	; J	cxuµ° ×s× Δ~u µuq~3≥y u° ×±y≥×µy±w
by±≥aµy±wq≥ ×≤Δxuµu	V Δµ×≥as≥y×±	Ws×±≥a±≥C766ΔΔ°
L±t vqsu r ×±t y±w	J×±≥qs≥µu≤y≤q±su C76°	:3 yµu° uq≤µu° u±≥
My±q~≤µuu±y±w	766+ µu≤y≤q±su 1 Oe ≥a≤≥	H ≥×≤×µ≥y±w° qsxy±u

F8l Ω V

F8A l W Ω V

S p Ω	S Ω l nΩ
8; J	766+
766 J	>; +

S p Ω	S Ω l nΩ
7; 6 J	=6+
866 J	; ; +
8; 6 J	: 6+
966 J	8; +
9; 6 J	76+

F8Bl g V

l r Ω	Z g 2V 3	i
8; | e	E82666666	c Δysq~2 uµ ~×±w~yw
96| e	E72666666	Oywx Δuµw×µr q±su
9; | e	E; 666666	L ≥µu° u s×±t y≥y×±≤
: 6| e	E7666666	Uq y° ° µq≥y±w

G8g Z Ω

G8A Z g S Ω

S Ω	Z Ω g	i
Oywx Δuµv° ×≥×µs s~u	; 66666 >66666 | °	; 3> uqµ≤
c µr ×sxqµwut sqµ	>376 µ≤578666666 7; 66666 | °	L ≥µu° u xuq≥µw~yqr~u
aqsy±w	; 63766 µqsu≤	P±≤Δus≥Δuµu u±≥
P±t ≤≥µq~yw±y≥y×±.s×±≥y± × ≤	966666 ; 66666 x × µ≤	J×±≥y± × ≤xywx ~×qt
Uy≥y≥qµ 5Huµ×≤Δqsu	Xuµ° y≥y≥qµ ≤Δus	L ≥µu° u µw~yqr y≥y≥

G8Ba Ω h S Ω

aΩ h	l Ω	VΩ	l
Nµqt q~µw≤y≤≥q±su t µw≥	; 6+	Uysµ×≤≥µ s≥µw sx q±wu q≥xywx ≥a° Δ	Xuµy×t ys ° ×±y≥×µy±w
L±t u~us≥µ×t u qwy±w	8; +	Oywx ≥a° Δ × yt q≥y×±	Jx ××≤w ≤≥qy±u≤≤≤au~
cxuµr q~≤≥µu≤≤sµqs| y±w	7; +	L ≥µu° u ≥xuµr q~≤x×s|	J×±≥µ×~µq° Δ µq≥a
P±≤~q≥y×±t uwtqt q≥y×±	76+	b µqsu s×±≥q° y±q≥y×±q≥xywx ≥a° Δ	SuuΔ s~uq±

Su Kywuµu±su vµx° f yµu × ±t APN3b vqy~ µu≤qµu wtqt q~.t µw≥y2 ±×≥≤ t t u±×Δu±3sywus y≥2Δµ× yt y±w ≤ Δuµywµuqµ~ qµ±y±wy± ≤qwu≥3sµy≥ysq~qΔΔ~ysq≥y×±≤4

I 8o b

I 8A m o

S Ω	n h	i

S Ω	n h	i
Oywx Δuµv° ×≥x{us s~u	PN3b3H3;f 3;S<3S	V×±3y±t s≥y u1xywx ×~≥qwu
c µr×sxqµwut squ	PN3b3H3=f 376S3S	966 J1≥a° Δµq≥y±w
aqsy±w	PN3b3H376f 3;S<3S	L ≥µu° us×±tya≥x±≤
P±t ≤pqq~yw±ya≥x±	PN3b3H376f 37;S3S	J×±≥y± × ≤>Δuµq≥y×±
Oywx vuuΩ u±s ° ~≥8≤Δqu|	PN3b3H3;f 376S3S	U ≤>ru ±×±3y±t s≥yu
L ≥µu° u≥a° Δu±yµ×±° u±≥	PN3b3H3;f 376S3S	3;J 19;6 Js×uµqwu

I 8Bk d Ω

L q° Δ~uAPN3b3H3;f 376S3S

PN DPw±ya≥x±buµyu≤ bDJuµq° ys b×yt HDXqs|qwu c Δu ;f DX× uµaq≥y±w 76S D76| au≤y≤q±su S D 76+ c×uµq±su