

# ø ž õ 1 = Ñ

E-\$ q 7 ð Æ ï- t

q 7 ðB# Æ c 3L| fEi+¼+g 9 `7 p° F , 3 UM~0% 577 = © ï çH , 4Ü – 3 UM~0%,° 60% , { ...  
 ^F ( ) µ>Ú U f @,° ð 2.8 õ , 4Ü – ž 3 ð qH ,° 21% , D 14 `Fñ 3 Ú , 3 14õ4Ü 2.2 = çH ,  
 D +,"G 35 ` , )"( ,° ¼ ( ½ L Â f\* < p f ( · , ~ F ¼ c 3L| fEi+¼,°#¿Ei=#¿ L=#¿ =#¿ • =  
 #¿Ca1• 0 b p û > f-\$ f p!~ , c 3L| fEi+¼ ^ a ` 3 ï ( r v c q % ~ )æ 0 : ^ 3 ï Ú FPF EÉ,° a  
 Ø = 8 p % 31,°Ei5N = 6 t r v ,° a 1% = ð f < 9,°#r f = f5N Í ¿ ,° f"õ1• ( ñ & ï , e 3 ï ( C  
 { < C © > — ,° @ Á f p , • e c 3 b L4à c , 0 F/t P q • )æ L p 3 1 x 6 p 8! ,° f p > "x ?Ei+¼  
 f p,°)æ L , gB > C @ 3 ï,°)æ L , ? · 0 F a ` 3 ï,°)æ L , ûN± Ö ! Þ F Ei+¼ f p,°)æ L >  
 b U,° Z1ýAð ½G3 e Ö pEi+¼"ñ\* < , Ö ! Þ F Ei+¼ f p)æ L p q ,° > ï- t,° EEi+¼"ñ\* < ?ü A  
 ,° 6 t aEi+¼ F D.æ f 0 , I Ð Â Þ > , 6 t aEi+¼ e Ö !Ei+¼ f p)æ L,° ©Kd 6 > Að ½  
 315 AðF& ¼ 6 t aEi+¼,° f »#ë , AÚ p 6 t aEi+¼) ' p 60 - ? ïJ¼ ] = N+ ) ,° ç § u1OE , e  
 3 ï p ¼ Ö ! Þ F Ei+¼ f p)æ L , g , ( ~ FEi+¼ žM~ 6 t æ r v , 0AðEi+¼ 6 t æ Q f , v.J0–Að  
 Ax,° q % ] = f-ñ ] 6 t u1OE > 6 t • v e"ñEi aEi,°H ? · ï+ ) , e p 6 t e Ö !Ei+¼ ( ,° N+ )  
 t à , e%ö Ei+¼/t P#q Ñ,°H ? · ï# , e 0Að žEi 3F § B % ,° f — , , e Þ F c , "G § B % 0  
 Að,° 0 b — , > .æ 1 6 t aEi+¼ < pEi+¼ f p,°)æ L ( Ñ 75# Þ Ñ = u1OE LÒ Â ð f e Ç > ? ·  
 { < [ 6 t aEi+¼,°"ñ\* < Ö ~ , ûN± Á / » / L 6 t 5 1°C- ) , ûN± Á q Þ C x Á=Ã > 6 \ 6D%  
 ' p H & ï , ûN± Á 0.vAð ó 0Að ' p ~ é — , , ûN± Á % FV8æ 3:[ ] á 1 ' p 0 b — , , ûN± ÁEi+¼  
 ( Á ¿ ž 5 1°C- ) , ûN± ÁEi+¼ 0 F æ ( r v ,°/p99 p ' p-\$ = , ûN± Á ° 0 I Ü Á 6 t ' p H ? · ) á  
 8 , > T ú H E ¿ ,° E ? µ • L | fEi+¼D 1+U(ÿ ¿ ž 76÷,°"ñ\* < & 1 D.j@ D% ° F = 0 , æ Ö6ð&Ä+a ú,° ê  
 GÈ ÁAæ/p ð " ûN±H ?ü+U(ÿ ¿ ž,°"ñ\* < >+U(ÿ ¿ ž e q % 3 ï ¿ ž,° FG < , ^ % N°Ax,° ` ) , <  
 F p 76÷ 3 ï ¿ ž,° q ? · O Lÿ\$Æ > c 3L| fEi+¼ eD 1+U(ÿ ¿ ž 76÷,°EÉ > FPF% , e < 6D 1+U(ÿ ¿ ž  
 "ñ\* < ,° f"õLk f > D 1+U(ÿ ¿ žL\$NÍ C ú § Ei+¼,°)æ L 0Að , 6B J § 3 ï)æ L F 0A > +g ÄD 1  
 +U(ÿ ¿ ž"ñ\* < C » CÀ V5 ,° q yN¼ UL† Ð , Ö ] ¼ ¿ ž O LÿÄü a D"ñ\* < L ô Ü > c 3 ? µ • Ei+¼ ^ f\* < ~ 7 =  
 f5N u"ñ = "G ° F = ð 5 ° = FP © ï E = +U(ÿ P m ] 1 • ïM~ ž ^-v(!À ] , e+U(ÿ ¿ žL\$NÍ +U,°  
 H & ï p > )æ L I ! è ? µ • Ei+¼M~ j f5N = ¶ e = AÚ. = % 31 ` xM~,°"ñ\* < & 1 , Ö Ö ¼ +U(ÿ ¿ ž 76÷,°  
 C x ] = C.æ Ð ] D < TM ] > Ö p ? µ • Ei+¼ +U(ÿ ¿ ž"ñ\* < Ê q % 3 ï ¿ ž ? p = 2 , FPEý ° 01x Ý %  
 31 = % ð # q 0 ¶ K4 — = p LLh99 K 2 = Þ F P5\* > ' 1 • ï E 5 1 Þ F , ~ FLü+U(ÿ ¿ ž O LÿÄü a = Lh99 =  
 L @ p 6 % ,° 52 > ¿ ž"ñ\* < % 31 >

q 7 ð 1 ¶ Æ ï- t , +m , # æ • ! , Ç • ] æ u Ö 1 x\* < æ L L K µ , Ç • ] æ Ei+¼"ñ\* < . J0- c ù q  
 1 , Á 4Ý • ¾ , • ! +U 2 > > q ? . Á u Ö "ñ\* < = Ei+¼"ñ\* < 1 • L\$NÍ,° J0- > Ç • -7 a \$ ý ð f Ax H Ç ā  
 æ 6 ; • æ C > , Ç • -7 ? 0 . 0CW)d,° I P ¶ e ð f > • 6 è G u"ñ æ 2 ± • = ž , c 3 u"ñ æ P  
 ¥ 0 æ K µ , < D 8 ð "G u Ö ø Á >

# ø ž õ 1 = ë ¾ ( Š # ø μ •

ï- t ï3a E

---

Ž?. Æ 6 t<sup>a</sup>Ei i+) e 3 i p ¼ Ö !Ei+¼ (, À 0AôEi+¼ 6 tQ f' p N+) iJ¾, 75# L ÎEi+¼ 6 t  
N õ, g, ( FEi+¼ ŽM<sup>~</sup> 6 tæ r v v.J0- = I Ð Á Þ>,,<sup>o</sup> q % ] 6 t u1Œ > 6 t • v 73 U F p"ñEi<sup>a</sup>  
Ei,<sup>o</sup>H ?· i+) , \$Æ Ä 6 t e Ö !Ei+¼ (, <sup>o</sup> N+) t à, e%ô Ei+¼/t P#q Ñ,<sup>o</sup>H ?· i# , e 0Aô ŽEi<sup>3</sup>F §  
B %<sup>o</sup>,<sup>o</sup>f —, , e pF c,, "G § B % 0Aô,<sup>o</sup> 0 b —, > 6 t<sup>a</sup>Ei i+),<sup>o</sup> F < pEi+¼,<sup>o</sup>D CÀ E ( Ñ  
p è Þ Ñ = u1Œ —, Á ð f e Ç > Ô ó 6 t<sup>a</sup>Ei i+) N± À / » / L 6 t5 1<sup>6</sup>9 < †, N± À q Þ C x Á = Á > 6  
\\ 6 D% 0Aô 'pH & i, À 0.vAô ó 0Aô 'p ~ é —, , À %FV8¥<sup>3</sup>: [ ] á 1' p 0 b —, , ÀEi+¼ ( Á  
¿ ž 5 1<sup>C</sup>- ) , ÀEi+¼ 0 F æ ( r v,<sup>o</sup>p99 p' p-\$ =, Á<sup>o</sup> 0 I Ü Á 6 t' pH ?) á 8, >  
©KdB ÆEi+¼"ñ\*< Ç"ñEi i+) Ç 6 t<sup>a</sup>Ei i+) ÇEi+¼"ñ\*<)æ L  
c 4 < 2± - Æ' < < ½)d = Aü.7 Æ \$ < < ½ 1 5L - Æ μ

---

1 - x 1 Ž õ 1 { C — " k & - } Ú . Ô > 1 - G w J g C ç X ( Š Ü O f J O Ç  
y i À Q í € e J ( Š G Þ = Ž õ 1 y Œ V p ó 5 ; e — ó 5 I Û N w J ( Š ( - G Þ Ž õ 1  
& • - Ø 6 í š x Ž ø ž j Ý J € > ½ J / Ž ø ž : - ø ž õ 1 : x Þ O Ç Û ( J  
5 G / = ø ž õ 1 ó 5 ¥ i + ( Š 1 w — ( Š ( - † % g w J u ° 8 Š I / Ž + + 1 ( Š  
• Ú š L . • — @ í x è ! Ý ! — Ž G a ? Q . € Ñ í x J x Ž ø ž õ 1 \* > ½ \ R " e  
ø V ¾ J « ½ 5 μ Ž + x Ž • = — Š J Ž + ø ž ( Š È ¥ . 0 x Þ ß ! í ? á . S  
¼ x X Þ Á % B J ( Š , a Þ ó 5 Ž - J ø ž õ 1 — è ÷ " 8 M Š J Á 0 + š 0 Ç Ä —  
ø ž j Ý € e L ½ \* f ( Š ' Y K y í š C @ ½ + - H p Ä — ì ( õ ½ » P + ÷ > N  
H ¾ J ø ž G i j G Þ Ž ž è ø † — 4 k Ý è J ç 7 0 Ç - ì À Q - ì ' ö - ì ^ - . ¶ ø  
j Ý í n š C @ ½ » / Ñ ì 8 p J ( õ ½ B ¼ 1 + ÷ ( Š Ä — ¾ J ø ž š Ž ' Y M • «  
M x H ä — j o ' w â 9 8 j + Ñ J x Ž ø ž + š Ž © w Ý — † ø Ž ( Š - ì ~ L {  
B — " B ½ J š C @ ½ + L Ž / 8 p Á Ž % p 1 ā ì 1 " & ~ Ý o ½ J š  
( õ ½ + L % z † ø Ž ' ! O t > Ž ' J š j Ñ ½ ~ ž L " j Ú Ý ì Ý w 1 0 Ø 6  
í ; 9 J š ( Š = H — Ä — ¾ ø ž J À 3 ç 0 Ç Á À Q = P ^ J è ç x Ž + † ø Ž L { ñ < ì

---

0H N<sup>-</sup>\$ Æ b ½ e 3 i t P0 œ 0H H JN<sup>-</sup>\$ G 3Ei+¼"ñ\*< % 31 Á"ñ\*< 73 Ñ)æ L, ° 315 \* < Að - = ! L.J0- N<sup>-</sup>\$ - Æ  
16ZDA058 μ, ° L I I ë ] F Ò >  
'6; 1 ¶ Æ ï- t , + m , Ç • ] œ u Ô 1 x \* < œ L<sup>-</sup> L<sup>-</sup> K μ = • ¾ = • ! + U 2 > , 3 i / t 0 H JN<sup>-</sup>\$ O ì c I ì , q ? . Á f i u  
Ò DEi+¼"ñ\*<.J0- >  
ï3a E , © , Ç • ] œ 5 # , œ L<sup>-</sup> • ! . J0- + U , q ? . Á 6 t 5 # , \* < Að . J0- >

ã1xw— 0j1Í,eJG=øžõ1yœ“À~Mj²Ç(Š wJ² À(j^% g(Š<  
 -t J çøž T =Ñ ß6 ~šín,'šøžõ1 {xJŠlõ1ßt#ëX U+(  
 ŠlÙ#<- c|/iÛš5ú-Ìÿg-Jt š+øž(ŠÈ¥½ <-0B/i3 &t <  
 -;s—z`J²•çš1w'C½J+ Ýo½&&XøX1[- øžJ`uNG μoì3OSì  
 —ë g(Š'«MJ/i¥i• ì)Zì R 1wèÖÍøž(Š1w C À\ „ õ  
 1ßt#%ëX U c,μñJ÷„ øž(Š { ‡ 'YÍ5j§•,øž(ŠÈ¥¶ ø  
 žõ1 =Ñ@ ¾J"cp(Š#øμ•ÿ Ô •—'¥J=•L^%(Š#øμ• 1w'vJ  
 Pøžõ1 =Ñ"™1w æÍ

6 = 6 te"ñEiªEi,ºH ?· ï+)

(Š 5 pš 0ÿÀ² p++Û!è! -Ž7 7c „J -6 +¹šŽ Ž/  
 VÑj¶J" ëXw §—w μñ íÃ"äÿ ÍxŽ^i(Š<- 'z`î\_5ñOf 0  
 Ž õ1OgOM'p(Šÿ /pJ5-Xp^Ë(ŠJçÉ8Ún†1Ž+Û—•7O«4HŽ  
 ~Ô =Ñ%zí;?,m\_j-J Ô¼ÿμëçP «7p— œj ~Ô =ÑJ ^ipá  
 HŽ~Ô =Ñ μë—<-íÿ 5 ·fèÖ-Xp%z·ÔŽ JÀ6,-Â¶ 0ÇÄ—äa  
 ioí6ø=ù Ž \JO\$æ!•;?j KJšj K ÿ·xV~X ÍyHC —oJ  
 7+1(Šíÿ p+1(Š&&ø6 çJJU·ÔŽ 6'YJääQOJÇ"-öçÀ;\_ JÀ  
 «BŽ \JÀ3 'úŽ C ì æ•7—+ÛçÀ;\_ íÿ p'G >C JxŽ  
 Á0+ äÕ—ÀQÄ— ·Ôø6 ,çÇ"-óíC }ÚJ"QÄO>%zçÀ\_Gª JxŽ  
 'Y À(Ç·íÿ 0\_5ñOf· u" (ŠÈ¥ w xJ;?:,5}<01-x1 >  
 C —"kxJ²•ç0+xŽëXßç%z { &"xJ·3B¼(Š+Ž #ðG &&E -  
 çíG(Š , ÞŽ õ1 ø8μë<-ÑJC&P(Šμ·íxŽ 9 Ôøž5YÁ‡ø 14 ÔŽ  
 "JŽ·3ÐÿPqL 35 Ôu·ÿÀJŽ·3Ðÿ < î#%ÿÍšC@ì;ñië  
 XŽμg \xP J ŽxŽøž&&eÚ XøìX1[-J E (Šμ•+øžõ1—  
 øž'Y&& Þ²t ç—lÙí

´6μ6teÖ!Ei+¼ (<ºN+) ]tà

xè!ÿ!—ŽGa?QJ²•ç^i(Š?OJŽ ?'^3& § «8 +øž ('—%  
 zJøž·j â98j 'Y+ÑJn€ >½L'¾O @. :‡Jøž'YGG% À5J  
 Ñ°-ÆJøž/içxŽ'YÀñæÀ lx'ì ;ÝJ%zÀ\i(À\içøž ß6È¥J  
 «œøž'Y/içøžõ1 „·6-íø ñ'únš'G^i(Š+G=xŽ çÑÉcXp^  
 i(ŠçE G=xŽ' "„·°J÷çE üÐÔ· òýL§,-ì xèÿÀ[8-  
 # "„·°íÿ ;9(Š<-+Ž õ1—Ž 'Y {yçE - Í+ øžõ1—øž'Yë  
 SJ(Š<-O" &&P"„·°ÿª—{yí4μñ(Š<- ·y2,øžj5GŽ/Êª  
 Á‡øŽ Êª áM•+ xw\_jÜJ«œŽ/V¹+¹—‡øŽ V¹+¹ ÿL—~yíxŽ  
 ÌxŠjÝç^i(Š áYJÀ)μ& 8 Êªì'ú Êì ·7ìG€ @1C J  
 ëÁ% ø (ŠC —GgJ ·çfÇøžÇ^'Y \*¥+¹íxŽ‡øŽ 8·[ !

<3ì o B4Ní4ú Æ E c 3 / L 6 t 40ªF, Mâ Æ ð"G 0(~t,2018ª,1b 25N«>

<c§cd½)d.J0-Ú5L Æ EFÉ E © S)ª5L F, Mâ Æ cd½)d 0(~t,1998ª,1b 119N«>

<EFÉ E © ½F? F'1b 3 - μ, Mâ Æ ð"G 0(~t,1993ª,1b 260N«>

<EFÉ E © ½F? F'1b 3 - μ,1b 117N«>

<EFÉ E © ½F? F'1b 3 - μ,1b 78N«>

<c§cd Û VG 5LÆ -F ©æ, c3(8"t P q • S)œ -4è?· FJ Mâ Æ œ - 0(~t=ð"G 0(~t,

2019ª 80N«>

§+1—-i+1ø ì(' . À4ìÊ±ø§½8ì'Y .BJ R'úŽ J±øŽ +1  
—Ê±O`ç`\*xŽøž«œ'Y^yJ í0ÿî —ÖŠøž /1 Ø²ÝoV¹J^%ø  
ž µo(Š'«MJVÑâ^ 1ø J" Ž/Ê±Á±øŽ Ê± g+ J" Ž/'Y  
+1—±øŽ 'Y+1 ê¾ JxŽøžÀ);?GP/1Ð +1&•ŸL ñ<JëÅ;?  
Gbp·Ü·yÿ%zxu ÝëL{ Ø60K—j1í •P«œøž'Y B8-ší  
`Âµ6te%ö Ei+¼/t P#qÑ,°H?·i#  
ëX3§çëXx JÝBtÿF&&» y'yÊ IÙ »—%J ) õøÄ—íëX3§  
ç'}C@ëXœ4'YìÇ^'Y.NH—S.L.Ôâ&3§ ëXyiLTð<—\$ J.Ô  
Ø3§ ëXyµ&Ä 'Y3Oíj5— 'ëX3§Jçâ < .½ IÙ »íëX3§  
{P,+ÚJç€±3-+ÚE J -+ÚÊ°XF1G-€(Š ëX YF2G!, x4  
,— YF3GVâ <õ,, YF4G æ µ;„YŽŽÍ-€(Š ëX + ëX3§  
IÙCš ; 6•!É²|,—.ì 0ÇÄ—JPëX U"™ pùë " GÍlá-  
GÍl%¹GÍld GÍJ& 3;Xì ^NH æø5Lì{|Ý•ìWÑn†ìW '1Š  
" ì;Ñì|,ìC ŽJP .f áy5-ÁÑ—y'-'Y"™ " F—|,ò,J  
0ë> —"äŸÔëX y5§—y'šJPC@ëX'Y"™ B8-Í(ŠëX5 ½ç·Ô  
d ëXJ u— µëXBt—Ê±BtY(L d ì& d í(ŠëX d ;„Ä+ÀšJ  
2 'ëXBt—Ê±BtNG Ô 7ì§ ½± MgJ0ë ' ëX &ì\_ÚìWñd1  
'JPC@ëX'YV ² pŸ&Aa• i 'è ëXÝëA•æY +1 wPYqÐ KQ ð7@Yp c3 ÷u—Áà-à , —pp-à à+p  
d ëXÔN`Ô1—ĩÄ; -ç q4XÑ°ÓX Ü0

À!Ot ,çJÿÀšÂ0 -ÿ.x\*f%a TNÁ!ìföÁ!ìwkÁ!ì' Á! w  
 1!,J Ô!, NGJ6JÿÀù \ 7 ,{Pó@Í`gšøžÁ/;èìJÿÀ;ÿ  
 èìJÿÀèÍJá&(Š w—ì(Š ì(Š ‹—ì(Š ñ<ì(Š ;ÑŽ{P'"NHJ  
 èç1 èÍ>0ÇÌ> „ì> @JgæJÿÀù \ 7 , «Mç%aÀQO J ÁÀ  
 ½w1!, NGÍ^?JšŽ/ ÀOÝèèììÀOÿÀèÍ 1 (ŠN' %a—q8Jf\_  
 " JÿÀš1 ì•ìñ ì;Ñ½ .±--!, - wGJf\_NGö.1°ìd\ñ‡ !  
 Ot" Íø ñ'ún"cxp6" JÿÀ \ 7 ,Í6 læ=ÀOÿÀìÀO;Ý J  
 Røâù%zÈM;s— !)~+1;¶Jü ‹—á J'5 §ŠJf JÿÀšGÍ;Ñì  
 C@ìèXìw1Žµg µo! Íÿ Ô µo! ÿ.JCç?(ŠP'"NHO\*f  
 ÿ.ía&ÝèèìÿÀèì 4µñ(Š NG{Pó5NHJ Ô µo! çÀ;\_ùG Í

Â = 6 t<sup>a</sup>Eï ï+),°FqEÇ E#è

(Š#øµ•çxŽøžõ1 Ø6µ•Íøžõ1µ•çPúGøžõ1 &•-èz`ìy,,  
 — á 8<µè#%—• `&Jòçøžõ1t Ø68GŠÍxŽ >½ /Ž "Cy  
 z— áyÈ°0 ì— ìbÖDøì Èì"Ñ¼ ì?A,,AŽøøµ•ÍG=xŽøžõ1  
 >NH—Ñ= ĀC'w â98; +ÑJP øžõ1t —õ1\_§ =Ñ 6»J  
 yœ —yz&&Ñ=²]ì =[- øžõ1µ•JÈ° ò÷øµ•ìñ Xøµ•ì;Ñg  
 øµ•ì(Š#øµ•ìBó•øµ•ŽÍ µ•CÿÂ0 øžõ1 {}Úçd, Jnš1w  
 ½ á&Cÿ R "D—w}Í1w"D—w} À\JX,, &•µ•šøžõ1 {x ù  
 q™— @ŽyÍ^?+ øžõ1µ• áy6 1w"D—w}èÖJGpøžõ1'C Ø  
 8J-Íš xxè)+(Š#øµ• áx R 1w"D—w}Í

`g? \R5:C@ "eO =øžJgæøž1+ Ž xwÝëSJ ,&&ø†-ìø  
 -ì4k—ÀQ-Jnç`g?C@ÈπÑ /Ñ = (Š"eO =øžJgæøžwGP  
 xŽŽ/xwÈπ—†øŽ Èπ j1—ĀÍJçŽ/Èπ—Ž1Èπ + ½BJçu ø  
 ¶ Ü Èπñ<—700KÍ /ÑÑ= øžJÀ)6&C@IÙJ &Ø8 ‹õIÙ—;ÑI  
 ÙÍš<õ½JxŽøžçu Ýèõ1—u ÷ L{ ©w;ÜJçxŽÁ†øŽ %a†ø'  
 !Ot xwÝéíš;Ñ½JøžÁç5~;Ñ—1O;Ñ 7 Ý ß6ñ<J÷çxŽ;Ñ  
 q™—ā1†øJÇ^LTÇ• ' ó;Í;9J(Š"eì(Š=Ùì(Šw—ì(Š‹—Ž+  
 xŽøž;ÝO-Jç ø†-ìø -ì4k-ìÀQ- Ø8M• Jç#øBø "'—"„Í  
 (Š#øJCç I('—~yxŽøž Ž/©wÝÁ†øŽ ÝoV¹J0ÿ%z µo!3  
 OSì —è g(Š'«MJú,©Yøž'YGÍ" øž gÝ#, "y—µ Í >½J  
 € -i;1, p&Jó©z.ÀQJ(Š'Y "e¥?Ž, „ JxŽøžÁ1• \ -  
 x6J(ŠOS—µñxpJ.± øžC@ëX3§À\Jp# øžC@ëX'YÍ^i(Š?OJ  
 ²•ç á ?OJŽ/1 N'6» Ž½¾yœ² À( Zy'ìé¼ìoäì(Š—!  
 'Y1•ÍxŽøž : çÁ/; 'YÀpx8Jš'Y1•6»¾JøžÁ/;6ú,  
 é¼'Y 1 Ā—JCyœ øž Tâ;'YJ øž 'Y4 —'Y Ú6'Çš Žñ©  
 µñ?½Í øžTâ;'YJJ@&b3-\_\_—µ Jn^& -\_\_—µ • ç%aš(Š'Y  
 ó©½ Jç?(Š'Yp'"NH Í,e6"4øžõ1\_—JCyœ(ýÚç; "c— .(Š  
 #øµ•J,øž (Š'Y0-'Ā—ĀÑp&, &;s -@á~J0;ÿÑĀ—ĀÑp RÑ  
 Ÿtá-í

^È(Š#øµ•JçŽ P «œøž'YJ,%zøž(Š4i{P² À( M•µëJó  
Ç^è Ijî øž (ŠV¹JC`uNGøž g(Š'«M^'Cì„ — á 't-(Š  
«-í

20 Ç" 70 ò=4Jë+xŽ =Ñ%zx %—p•È¥Jš\_5ñOf Ü—¼JŽ (}&  
" — dÿ 'Y"yJE 0ÿ^i(ŠO«œ'Y4 ì"4'Y• ÍGNÿÔŽ 'Yµ  
ñxŽ1pb3JÁ'Y¥+ÛJ¥ •7—@1C J6\_?·-§—-i+¹ IÌÊπø§8  
Ž{P«xV¹JL+1(Š KyJ3 'úŽ +ÛÌ•7—@1C JO«œxŽ 'YÍC  
ÿ~á3ò +1(Š {JxŽ+1(Š. x4 ìxŠjÝJÃC'YGP /„5ÊxwJ.  
ìxŠjÝu'YGPŽ •y'xw— „5xwíìxŠjÝ °ÊÑìÊπÑì /Ñì  
·ìÑ'YÜ- âÊÑ8'YJ8{âÊÆìâÊ"1Y%aJ jÝ =Ñµñ8è "4í  
ìxŠjÝ ?8(Š"8'Y {C }ÚJšøžjÝ"cb(Š#øµ•ÿÁ& æ-J÷  
&;á-íøžjÝÀ);?-„ìxŠjÝ+1(Š G^C J÷;?~y-¶ Q'V¹JNG  
Q'• í

(Š#øµ• ŠLšøž ·(Š«-+øžõ1&&²•Ø8 çíøžõ1,-J-ç  
e áJŠ !«-O Íøžõ1x á JŠ !«- Ý 3JòC1 šÛì1 éOJ  
^Gøžõ1 !«-t íš Ôt xJÀO«- a\_çÛšÀ\* JOë.±%jO—V¼  
À\*í& !«-a\_BìjO4Jë3. !«-a\_@ìjOpí%x]6ŠI !«-+  
øžõ1·\_&&E - V¼Kè²•Ø8V¼J !«-C;?ypµ•ÿO °JÄÃÉ&  
²•Ø6 !«-íøž (Š«-JCç "· +øžõ1·\_&&E -V¼ !«-J^  
?;?Žy(Š#øµ•OÉ&òí

(Š#øµ• ŠLœ0±Oz`ì R;sì4o H OÃsNGøž g(Š'«Mí  
(Š#øµ•ÀçÉ}Ô&t (Š«-JëçÉøž(Š' «-íòç+«œøž(Š Ø8µTì  
Ø8,-ìØ8y3ìØ8J- z`—;sÍG'Ž (Š«- 'tz`—;sçNG g(Š'  
«Mí+xŽøžO-J(Š#øµ• z`—;sCyœ0øžÝñc'JØ=±Oz`JØ=,J  
&t øž(Š«-ÿLP·Ô1 éO ŸtJt c% R-²]JÃsNGøž g(Š'«MJ  
óÁ Ô«MçŽ (Š'tM• &^GŠIJç, —)¬ Ž g(Š'«M í

"cób8 ·(Š#øµ•JÀ)ç >C "kjc >1-GwJ÷ç«œøž'Yì"4  
øžõ1µñ yi%í' áõ8'w" c p«œøž'YJ,'øž¼•ìø ÷ ÿ øž  
õ1'J-J áõS~x X" c p«Bøžõ1J #ø Ÿÿ øžõ1'6»íÀ@ç  
'J-J ç'6»J• À((Š#øµ• yz— ·í

6&yz— ·(Š#øµ•f\_,øžj5GÝëÊπt xwJ0ëPøž uU0'Y"  
™B¶\_íÝëC@'Y {}ÚJÝëÊπ jO E ŸÝëC@'Y 4 —ø\_íC@æè  
5Uì1)Ž3òO·0rŽ'CxŽJ5KÊπÑ. J%·ÙP×5) 0.62J'ž 3.49Js 4.04 J  
ï 4.94J/Û1 5.10Jì È 6.22JMd6.42Jù5 6.51Jùñ 7.00í ŽÊπÑÉ·\$4 5Kç  
FÈ9.78J½R9.77JÈ 9.63í Žñ©ÊπÑÉ·P 6.56í ;9JxŽP8ŠIøž5Ý ÊπÑ  
É·š Ž©Ù?¼íøž5Ý ÊπÑÉ·p ŠLÊπš+¹j¶x E -{yá&j, I'  
ÙJ ŠLøžjÝ Êπt š ŽÊπt x Ø6-& J ŠL{Pøžõ1B6§Úè.  
Êπ§ÚJ%õ1^\_á&j, I'Úí½ È¥J6&0ÿ ·(Š#øµ•f\_j,^5MEÍ  
NGøž g(Š'«MJf\_í øžj†C@V¹JŽøžGPŽ/ÊπÁ±øž Êπ+ —

, xwJf\_8è"äøžÊ¤š ŽÊ¤t x jof\_%8øžÊ¤šÚJpøžC@uU  
0'Y"™B¶§Jpøž&•õ1V ² ó©Í

6&yz— .(Š#øµ•f\_,øžj5GÝë 0j1Jpøž uU0'Yy5â^NHÍ  
p6± ¼yÿWëGp =C@'Y â,Í >C }ÚJ.ÔC@½'Yjx^ Ž K;ÝJ  
· ç 0ó©z·xù J+ 0j1;o Ž K;ÝÍxŽøž5Ýš 0µg&ÐÔ²BXF1G  
0ó©z·xÀQÍ? y p“Jš^ ñµ xŽ~g%½ 0¼ yx.J 9 Óøž5Ý  
•öI•pX5) 9.9km/km²J´ž 13.2km/km²J/Ü1 18.0km/km²Js 36.6km/km²Ji È 35.5km/  
km²Jù5 55.5km/km²J M d 57.2km/km²J ĩ 76.4km/km²J ù ñ 87.8km/km²í ë Ì Š 5 Ý • ö ç X  
È 153.4km/km²J ù Ì 122km/km²J F È 117.88km/km²í ;9øž5ÝÁ/;5Ýš 0ó©z·µ  
gÛšx8ÀpYF 2G+ Ž 0ªO 4Ôo¶Í0 Ž 0yª•;?:cJ`gøž5ÝÀÁ  
1 áKy 0JgæÀ@ç y ç!yJ¾%,øžCGp²@yJøžyªš ŽyªGªx  
Úí[ 4ÔyªJëdj1yªJ%C@a• À`/;5Ý yªí`g .(Š#øµ•J,ø  
ž yÌ!yÁ 1 yÌ!yJ;\_ á+ — 0Jgæ0Ž yªGªO:JxŽøžyªC  
+šxŽ/iyª—†øž yªGª ½ +JxŽøžC-iëi;Gpu Ýë 0 j1  
joJ0ÿ ·ø8Á+JC,Ž Ê¤—Ž/Ê¤ á + ,LJ"4 /+¹— 1+¹ ~yJ  
“ /ø¶— 1ø¶ ñí;9J .(Šµ•ç'YøžÌÝ#øž\$&• -\_Í

6 & y z — . ( Š # ø µ • f \_ , ø ž j 5 G ! f 7 4 j J p ø ž u U 0 ' Y " ™ ! f  
f ^ Í , ' x Ž ø ž 5 Ý ! f 1 x ' ú j Ý / i b p J ` ù 5 727 J ĩ 1041 J 5 ) 1432 J ´ ž  
1436 J s 944 J / Ü 1 1186 J ë { p ' ú j Ý Ò 3295 J ½ R 2646 J ù Ì 2023 Í - Ú ø ž i Ý  
! f 7 À 4 J . f ' Y / i ñ i ; 5 ú 8 ! f f ^ Í ' Y ç ø ž õ 1 „ . 6 - J ! f ç ø ž  
õ 1 „ . + ¹ í ñ i ! f J ' Y C G p G ( 0 B Í ' ú Ž K i Ý ' Y C } Ú J . Ô Ž Ì .  
Ô j Ý Ì . Ô á Ê J 6 & ! f 7 J f \_ ' ! f 7 Æ • J Æ ! f Ô t { y J 0 ë - C  
@ ë X B ¶ ' Y Í À @ ç Ž Ì j Ý J ç á Ê J % ( Š . 4 J À ) Š L Ñ ' ö " : • — t  
„ ; „ 6 J L ^ ! C y ' y Ê p ¾ 6 J Š L ! C â Ê à ì y Ê ; X 3 Ì % ¹ ; X 3 ì y  
´ 3 § B Í ^ ? J Ó Ô i µ K — ë ( Š . U 4 J % n 3 ! f Ì 7 ! f • C U ^ Í . ( Š µ  
• ç « Æ ! f 7 \$ & • µ Í † ç Ê 0 % a , š • ç x Ž ( Š µ ñ \$ 4 j Ý J ^ ? ò f G p V  
! f 7 4 j J G p V ! f y ' y Ê ó j Í O “ J x Ž ø ž 6 u U 0 ' Y J C y Æ 0 ý  
• ( Š # ø µ • J ? e n 3 ! f Ì 7 ! f J p ø ž u U 0 ' Y " ™ ! f f ^ — ' \* Í

? = 6 tªEiï+),º ÓD+D%º

(Š#øµ•ç" øž^% g(Š´«M´t<-z´í<-w´š .Í+ (Š#  
øµ• <- .JÅ6VpŽ´t(ŠM• w6»J!6 læ=øž Ýo²B—'Y²]J  
“f\_•jx^ <-•\_Í

´6µ6tªEiï+),º ÓóN±51¯...B9Ei+¼,º/»6tD/L6t,Ó)æ Z`6t,º?p56

(Š#øµ•x p(ŠÿJÀ))É+Ž1 (ŠJ÷É+Ž/ (ŠÍxŽ0 20 Ç" 70 ò = 4  
{ } +1(ŠÔ) ç Û (ŠM•JìŠùR;Ý 2 3 Vü +1(Š<-JG•j.  
C QJÛSTx5Šq™J ·µg5G š+1(Šxìx5Š ÀñæÈ¥J²•çøž;Ý

<# Æ!æeoª 2022ª:-7pç9,ºçD%FPEœH0AAx1íÍ0´8) 2021ªÈµ>  
<ðfÿÜe=" =ðn...ð çðfCz\$Æ,ºIH´AxH<feÆð / =ðµ>-.©-7p,ºðfÿÜeoa-.©-7pI  
Ð,ºE 3ìcKµUðf <?úH4è?. ´2010ª2020ªµ FcV Ñ,ºðfCz\$ÆqH lªDB-7pn...ð lªF>,  
AxíDí0>

ç+ +1(Š xpOS½ín3·µgJìxŠjÝ (Š—'YJÁ% Ø (Š'Y  
{C J÷% ;™†+ +Ûì •7—@1µ J •PøžjÝ ^ (Š—'Y  
y5"™ â^ NHÍ;9JøžjÝšQ^ (Š {xJÀ);?+Ž1MÊ—+5 á(ŠJ  
÷;?+Ž/MÊ—+5 á(ŠJ çÿ ìŠùRjÝ(Š {À&, NH—Q'V'ÍGiJ  
÷6»øžjÝ (Šyœ+1^+1(Š—+/(Š " J6 Ðè + —é¼Jl'ÙpÐ  
Ô(Šÿ %]• íxžøžjÝ&& Ž/—†øŽ ÝoV'JpÐÔ(Šÿ " +1j^J  
C\_5 l'ÙŽ/Ž1pÐÔÉπìÐ +1ÿ {yJy5c\$^ (Š• í`xž5ĩøž&  
&,Ž/ 14#!0 8Êπ—ĩ ìĩ 23#!0 8Êπ š·Q ÝoV'JŽ/MÊ& x+  
5— „5·7Jĩ ìĩ Ž & l·Œ—Ø -i+1JšC@½J&V'J!Ûš ê-J  
`g5ĩøž5Ý,pÐÔ(Šÿ " +1^JC\_5Løž5Ý—†øŽ y5c%E C@'Y  
† í

'Âµ6tªEĩ+),ºÔón±ÀPF Eĩ+¼CxÂ=Ã› 6\6D% 0Aô'pN+H&i  
p·Û·yÿ%z "cçxž0ÿ p3 Oÿ +1(ŠJTpLc ÿ +1(Š Ø8Á%J  
-fLxž+1(Šµñ dáix=+p·Û·yÿ%z2 b4 M· oJcþp·Û·yÿ  
%zþçHžq8+1(Š Ø8á ÿ Jçp'Ñ=Hž+1(Š—C@1 †Oz`ÿJçþi  
M!Ý'Y2¥ xž &—xžµÿJçþ /C@ð1'50ì^%!Ý' !Ot Ø6  
y\_ÿí xžøž5Ý8·çp·Û·yÿ%z ©wÝJóš Ô+1(Š—C@1 †Oz`x  
~žLßt JíÁxžøž "Kv †øŽ ·çøž5Ý -p·Û·yÿ%z ØBž —  
jÝíøž5Ý;?~yÁ†øŽ j11vìjÑ1 ìC@ëX1 9iV'J?!ø!%!  
Pó5 wJ«8Á†øŽ g(ŠÁL{JÁ6P×ž 'Y'5&~ †ø J!6h†ø  
ž\_5l ,xžœ4'Y ;Eíøž5Ý6'ÙÝoV'J%] -JO —J—è u Ýë  
ð1JÔ) Þß- — —á J g†ÑÁ†øŽ <-äòìz· 0ì ÜŠ0ì+Û,0ì  
Ýw10Jù V Á†øŽ L{!,J g"âL{µñJ\*f Á†øŽ šC@—è  
g† ,LJ %aÁ†øŽ ~!Ot" Jšeó©½\*f% ·J ë^% 4OS  
J!Ot—' !Ot" íøž5Ý0ÿ)~—, p·Û·yÿ%zJí°ž "™ M•;E  
—<-+1J·µg"ØùGž L C@1 J~J3·µg!88"4 -¶ +1(ŠµñJ  
Pøž uU0'Y B8^-í

'?µ6tªEĩ+),ºÔón±ÀEĩ+¼0.vAôó0Aô'pPF 6t,º~é—,  
u ó©z·%zE Løž(Š. 4píó©z·çÉ·mëXßt w w3j?Y(—  
á !O - ó©JÉº 0ó©z·ì0mó©z·ì\_1ó©z·ìµ~ó©z·žíó©z  
·ç·Ôž K·ÔjYC@'Y "'J÷çëX Uw3¶ 'J çž ILžš t í  
óOÆUCâ", p6± ¾yÿ 9 c|JC&ácó©z· Ø6lÙíó©z·ç'ì  
!-¶Jß6€< ŠÁO "™í'jw ÿJøž (ŠÉº+/(Š—+1(ŠÐÔ&;R  
· µgJpÐÔ(Šÿ , Cç Ž/+1—ÊπÁ†øŽ +1—Êπ &•+ JóÁ  
l('—~y^pÐ +1—ÐÔÉπÿJpøž 'Y B8^-í6ú,½ , JÀ\_â&ù  
ó©z·{P'"NHJ`gøžjÝ 0šùì0mœùì\_1 ìµ~ ãJgæøž Ý  
oV'ì+1V'ìjÑV'žC\_j, l¼—'ÙJøžCXGpž/#†øž +Ûì+1ì  
·-ì·7ìø¶ž ½ jJcX,øžj5G /1 0Kì/1ø¶ 7™ jìu ÝëL{



xwŽJ0ëy5c½8 —CÊ;XÍ(Š#øµ÷C Ü0<-^ ÁÑP(Š GgÍ  
, 'JxŽ 9 Ôøž5ÝJ²•çùøjÜJó©z./iÀù Jó©z. À5J+øž(Š—  
'Y f^§ —'µñÀ\íp 04Ôÿ ²B bJcJ?%çŽ/ 0ó©z. á&8Ú  
j#i,†øŽ JÁ†øŽ 0ð3 0J,, Á†øŽ ÜŠ0. J÷,, Á†ø  
Ž C@L{µñí^?(Š#øµ• .Jyœ?ó©z.%zJ²•ç44 yì44!yŽ  
P=ë = 0ó©z. ù P'"J?%6? -øž 0ó©z.Á†øŽ 0ó©z.  
0PØBJ^%at§ù u 0ó©z.Jš " NH¾(Š#øf\_GP;áì&•  
øøµ•í

' µ6tªEi+),º Ô óN± À %FVEi+¼8¥³:[ ]á¹'p0b—,  
(Š#øµ• Cç?q8øž(Š" øžC@'YJ ë?C@'YÜ^-<öìèXì;Ñì  
w—Ž é¼'Yíq8(ŠÀçP(Šë(ŠJ%\$<, ç3 —ò2 3 Ê¤BtJ"äÊ¤  
3§Jš«œøžC@'Y OÑJ÷" øž Áõä÷íæÚøž (Š. —µñJB6> C  
çøžÊ¤Bt •Ú— ÚJ?#Ê¤ 3§íëÊ¤Bt •Ú— ÚìÊ¤ 3§0 )E ø  
ž¹ø V@í`g¹ø \_5À²^ JgæÊ¤Bt•Ú— Ú2Ç^L4JÊ¤3§÷2  
Ç^ BÍ`g¹ø À²íÑJgæÊ¤Bt•Ú— Ú2Ç^¾ JÊ¤3§÷2Ç^¾ í;9J  
¹ø Á(Šµñèìv m d1"" JòCèÍ;? P'"ì Pÿ}J"4(Šµñ  
yœVÑâ^¹ø JO"JVÑâ^¹ø yœ"4(Šµñíëešyz— .(Š#øµ•xJ  
yœ?^ øž ¹ø Pß6J-Ípò23+d 'V¹JÀçd1|<Vü<-Jëç6¹5  
7 ñ)Úì õÑì;•0 ¹ø íÿ

' Êµ6tªEi+),º Ô óN± ÀEi+¼ <Â¿ ŽF>,? ~51<sup>-</sup>  
'YÀñæÀ lçxŽøž\$íÃ ²]J÷çøž ó5ÝñJ^?J«œøž'Yçøžõ  
1 „.6-í«œøž'YJ.e g†ÑJŠ^iJ e gq8(Ší€ øžjY/ŠÚš±  
3/wì÷ ³ J`ÿÀÈ¥ìy"È¥ì ^È¥Ž• Ü3'Ž ÷ ³ Íš gq8(Š  
ñF¾J!X w±3á Ì÷ ³ J`p¼¹¹šÿ -)#j@J 1 ,N— -)#\gJ  
u ÁµÈ¥JXøX1ëXÈ¥Žë.± Ž ÷ ³ Í31JøžgÚ /wì÷ ³ —á  
ì÷ ³ JÀXääjÚšJòC\\1 ;ì1 /«ì1 eJ0ëŽøž ÷ ³ —÷  
ÍM</j P->ã½í,eJšøž gq8(Š .xJš8§" øž'Y OÑJ ÿ  
, 'øž ÷ J6,'Y—÷ ÐŠJ-RçÃsJé¼ JÀ\_•e?[í

' £µ6tªEi+),º Ô óN± ÀEi+¼ 0Fæ <rv,ºp99p'p-\$=  
Ž ½J ò3&è8+M«4æ+JxŽgÚÑ• Ž ÷ N¹J1Š §Ç^ «J¿5µ  
À²+ñd «8+xŽ Š ìj ì-)-j@JP /';-ñÑØDdLÇ•C@Jp\$  
/Ñÿš. Ž v"@V¹ŽŽÍšŽ/J^gÚ 'Y §O"x8Jpì9,ÿp&¶iy  
HÑ&'wJ g†Ñ^i J- 3ùGJŽ =Ñ^yJ lLy'\_§ &"4ŽÍP +  
Ž —Ž/c 'Y §J'}xŽC@á7± J áõS x XÚ,"c6p«œ^%?Ž  
/8p PßtìŽ/Ž %p 1 " 'Y«Mÿ Í x=âc .Ø8M•÷ J+ øž  
O-Jç.Ô«œ'Y Ø6;Eíë 6^%?Ž/8p Pßt C@«MJCyœj0—%aŽ  
/R.8Ê¤J &~ š,, —<-Ogji ŽJÝëèÍ Ê¤ Í—Ê¤0ÇJøž ÝoV¹ì  
+¹V¹ì;ÑV¹ŽJ• ÜÁÑPc@'YV¹Y%S6^%Ž/Ž %p 1 " C@«MJ

xŽøž j†C@V¹;?j, lY JÁøž1v †øŽ °6& 25#!0Jøø§½8 Ê¤J  
Á Ž •[ R'úŽ J&&'Y .BJì-i+¹Ø ì·-§l«1+xpŽV¹Jøž  
šŽ/—†øž èì C@p x;?'Ùu C j1—-7xwŽø²{yJ .j†C@V¹  
]‰&~ «œøž 'Y .í

´9µ6tªEïï+),ºÔón±ÀlÜÁ6t'pH?)â8,  
,xŽøž0(Š4jJœ%zGp(Š4jJÁçøžjÝ-¶«œ'Y yi6»J÷çŽ  
+øžjÝ BJ0`í6´)øž g(Š«M ÊÆ Jœ²•Ø=(Š—ë „ %zÍ,,  
&&•ª5ì7•0ì~Â ìy4• õ1ª•J(Š—ë Ç^ä 4•'YJyœL,, ì(Š  
Kyí?\øžõ1 {C ëÚJš(ŠÈ¥½J. øžjµ< Câc (Š<-?—.!  
^+ë^+ì?—.! § ^+ë^+ öJ5G(Š<-# . +`ì7 -— ^-x  
À ñFJ0ëš(Š—ë5G%`ìN ìp•ŽÀâGg—W]V¾J+eJb3MÊ—ù8õŠ  
ÆUb& 9Íp 0ª5½ME .È¥JøžJ jµ< œø=—«œ(Š—ë „ %zJ,  
+/+1(Šÿ.x· ^`yì^<-ì^â y,, N0• ¾OJ·ÇNG(Š „ ÷ J  
6¾ÿK^+yœCÿÑ« Š{N. J `f\_´}„ ?•-ì7 -— ^-Jšeó©  
½÷`Ç1"(Š„ \$L —NH +Ñ&& Ñ¼ÿ—ù A-GÍÍ

## The Strategy of Frontier Opening-up and Development from the Perspective of Frontier Governance

FANG Sheng-jú & FANG Zi-yi<sup>2</sup>

(1. School of Government, Yunnan University, Kunming, 650500;

2. School of Economics, Yunnan University, Kunming, 650500)

Abstract: The strategy of frontier opening-up and development is a general policy of frontier governance that China explores, develops and implements in order to accelerate frontier development. It takes the construction of frontier opening-up. The reason why opening-up policy can become an important strategy to govern and develop frontiers is that opening-up is a strategic measure to accelerate frontier development, an important method to stimulate social vitality in frontiers, a prerequisite for building a community with a shared future in neighboring areas, and a basic condition for promoting the construction of a community for the Chinese nation. The formation of the strategy of frontier opening-up and development will provide strong impetus, policy conditions and talent support for the leapfrog development of the frontier. To implement the strategy, we must consider internal and external opening-ups as a whole, focus on proactive service and integration into the BRI construction, make the infrastructure construction as the prerequisite, take creating a good business environment as a basic condition, integrate frontier development and security, aim to build the frontier into a demonstration area as a new development pattern, and take the construction of institutional openness as an important step.

Keywords: Frontier Governance, Frontier Governance Strategy, Strategy of Opening-up and Developing Frontiers, Modernization of Frontier Governance

> CY 15LEÇ ÆC«;P © @