

Añ h .1 Ö 000060

Añ h1°0 Ö]H Ý ‡

œ z5F ' Ö 202027

- \$ ‹

0 ã ²F	2
¼ ã £ ¾]H Ý ‡	3
9 ã œ (, /n JCS +?ò.....	8
ã)6Ñ L ¼ j s ê, 'CS +.....	9
Ä ã) ^ , 'CS +	12
• ã) Ë Ä v ã Ò g ¼# , Ci65, 'CS +	16
3 ã)> J, 'CS +	17
› ã) œ, ú » J, 'CS +	25
• ã ... K.....	29

6 = ,F&

20196Ë;(D11'40E6°00E) 8 ,Ó C00E2@<ÖC^+eA 6Ë D6 ,5-•
B'@p2_+e6»=f) ?-;/.2 0¤>ã?±@Z4G ÍD11'40E6°B»; .>Dë>
/.:p0—.L;ß+eCž9~4•+]>ã ÍA5>Ñ1•8 ?£; *ÛD1.><1:L:^0 DX
AF;Ý? > D +] Í90E6 .,)Ú?£,ÃCZ3Î6Ï/.+TD1 @0EA >Ö4qD9*Ô2W
)@) ;Q Í:•9Ì2ËCZ Q) =•* ?¥ C3¯0"; 6 RDX<Ã1mB Í1•1•
> 9§+T> .EE 0 AJ/.9P1•8@*~D *Û0 9~, +e.EE 6 (< Í

+n)ê(_2Ë)*.y0Ý0•;V@q2 B AÇAä R/. Q* <İ4p1M+n6½/%0 /Đ
1b'ÉDÑ(Y R,÷('0 5-:L3 :^2ç@H0•;V1R,_+i1R ÍD11'40E6°9°
0 Q2019 6Ë,)D1.›8Ç? ?±A 5-:L,ÃCZ1}* .R>ø1R RÜ,Ó2û3
@B35000,70•-¥DX<Æ.E)í2Ã.E G 3 DëB•Dü/0/ù;60'/Ø2 D/
@B3

A^1™AÃ.›ISDÉ3Ü0•;VA 4W8Ç? 8TA Í-¤0•;V,5BŽ4p;+AÇ?μ
.,, ÍAé8E;+/0-•B´6²@B+e8Ç? 0 /03 /.8Ç? ,_*^-@-/Đ>P4p
É9È-.)È@m/ó ÊÜ+E>YA 4W)È;(.›6»;80³A^1™Q? @-@Z1ÿ* R
9OE; ,É.EA6) Aû2006Ë1l)ê=W)[Í> .›6»+{A 0³*Ô.‡6,,)ê.G
AÇAä? @-@Z1ÿ* .EA6+e/Ø(D?®? A 4W8TA Í,5.›6»? A 4W0•
;V:ž0—A50‘? @-@Z1ÿ* .EA6B».›6»=g.,,8Q+^4ID9A +e=g,
E Aä Ü/Ë0´9¶.L;ß:%o0§2Ë,Ã+e*!¿Y-,1\=l)%4p> .›6»4•>é Ü
2ç0•.L;ß)*Aä>N/Đ,É C3Ì?¥,É.EA6:›)[>?.P+^)ù? ,ü Í8E.›
6»;1)ÂC]Añ5+*B0%A5:p Í)ê> .›6»C]Añ5+E -À C;!1^4•>é
+e0İ?μ+^)ù? ,ü.JAÇ:m D

.L;ßAÖAñ.›0³0—0•;VD1?¥:‰o4C4Q) ; /T2ç@q.EE C_ RC
QB›; .EE C_ R D.L;ß> .›0³-À?£0•;V8TA ÍAÖAñ? ;=.›>R
B><1;C1“<Ú+eDÉ0³.Š89- D,A6Ë3• Í.L;ß.S0 +d;) 0—A5:p
2ç0•1R3Ù2Ø ? Í8ED1.›0³0—1R3Ù4? Û2ç0•1™) A +i1R2
? C,_,+i1R 8? C0•;V,Ã6 ,_,+i1R1 ? D6 8Ñ Í)÷AñDÉ3Ü236
? Í8ED1Añ?^,Ã6 DÉ3Û78? D

.L;ßB»D1.›8Ç? ?±A DÜ/07f6 > 248Ñ4q Í> .,,, ; -À?£
0•;V8TA C-À?£0•;V)[8 * 2û>é1™8TA Í0 +d:•(ID ;^?±A
4•2]1R CAæD+D/3Í:p;1.L;ß CE 2@:ˆ0 BÑ9^-±:p;1.L;ß+i1R
? Í 20076Ë9º0 9OE.› Q>FA R3®, 1RDŒÓ1ÛË(\D1@œ+^;4
<%o8!> QD1.›E ;=0 .Z.yDÃ; *Ô:p;1.L;ß RD A Í2

A 2 =fDëB•2Ë,ÃC^55.G@L8TA RÜ6Ë(\8!> Q.,, 6Ë,)
2 0α- BŞ'Ò- BŞ8TA R Ü 2017ËË > 8Ç? ?±A > A :p;1.L;ß
)ê.G9ì@BMSÇI+e.j Ü 2018Ë9°0 D1.›.EA *Ô1R CD1.›8Ç?

2Ë,æ C.S? R> ,ÃCZ3Î6Ī ÍA5)÷?ÛBx0´9ŒE9 AæD+DëB•*f(Y>
,ÃCZ0 *, Í0 0Œ=g1™.›6»=fDëB•) .[.EE ÍE 8à3][DëB•Æ
3 ÍE AæA 4W'Æ3 ÍE 2 ?£)%4p0´.E'Æ3 ÍE *Ô1´9»5ÔA8B
.E)í0•;V'Æ3 Í; >÷A >R'Æ3 /Ð C) 279ŒE9 /Ð CDëB•3ÜAä,A
@š/Ð C2 AË.›0«/Ð C.}3Î?; >Ã/Ð C:›)[5-:L0•B•D(6½/Ð,ÃCZ
-Ò27 Í; >÷-ÀD+4`3 ;ú,ÃCZ D

6 8Ñ ÍL;ßB».›6»A5,,, ; :y.y;1/...,>XDöD/9 >E?Ü>ù
4^*Ô8Ç? BŽ4p0 +y Í?^-ê4l4^E B»)[3 :^ C4^-xA 4W0 +y+e
:›)[-Ò27 D.›=f=l.ž7†3Ü@f3 A .L;ßCg2ù'¥*Ô3Ü@h) 5?2ð:^
8Ç? 3 /.,A5ø6Â0´? =N3 4^E B»)[3 :^A50´6 +Š'Ý+c>#?
6 1™?±C^55DëB•*f(Y Í?^-êB +R+y3ÜAG.S? +eDëB•2Ë,Ã0
D' ÍDQ) =yCZ?^-ê@hD? C'¥D? C5áD?> A <Æ+eA58Ç? =N> DX
+e,A1´;U.›0«/ÐDëB•.L;ß D

,Ó2û8Ç? 3 Ū Aû,,, ; :y.y;19«/Ð>ù Í* 3 8Ç? 8 >
10-15%Í2@(Y6Ë)[18=“,78Ç? 1´;U4`+e:›)[6½4G Í)*3 C@B
3 0•;V2@Añ=M?±A 4•>é+y> Í8ED1 Í4“/Ð3 +^> +~2ù-,@B0•
;V/. *ÔD 2 :•2ø)*3 0•;V,÷(‘0 .›0³2ç0•1™) A +i1R/.,_
+i1R Í;(›0³0—5-:L3 :^;5+,,+F> D

.,,>X7m4›3 Ū Aû.,,>XDöD/9 >E?Ü>ù Í* 3 8Ç? 8 >
3-5%Í2@(Y6Ë)[2=“,78Ç? 1´;U4`+e:›)[6½4G Í9º0 .›0³3
) [DëB•1{B•B DÛ/03ÜAä>é1™;+Aä0•;V=g,,AÇAä; ,x3 :^ C.›
0³0—5-:L3 :^;5+,,+F>)ç/& D

) 5?2ð:^3 Ū > Aû'¥*Ô3Ü@h6º) ?£6º=ÿ,\; D? Í;(¡1^

8p5æ*“ C+^)ù? ,ü C8 DÕ? ,ü C* 2ø,'6Û--*Û+i Í)[8 D+4`
*Ð+^.)0«>é1™;İ8 D8Ç, CVô, 0 .)0³1‘D+1R Í? , 0 .)0³
AYD+1R Ü8Ç, C? , B»LMË.:p8;< DÃ)B Í< ;U8TA 2Z=I.ž
ISO9000+4`.}3Î<Æ>Ö9°D D

5 C2 AË3Îİ

8TA 2 AË+e(_D+2.;(A5;1)Â/Ð)@55; >÷0¼D E *Ô/Ð DD1

:>)[.E?Ó+eB¬AË.}3Î Í; >÷>))[-À)[C.‡,xB¬?± D

6 C“90E/Ø(D3ÎĬ

“90E/Ø(D;(8TA +e:›6 ? DD11‘40E6°:•2í9°; +^“90E/Ø
(D,5DëB•?±A +e<1;CACAF ÍÂ)÷)Ì+]Q=“B(A ; CA ; =“>? R
+e“90E/Ø(D3ÎĬ D

=“>?A ; Û E D)D6 Í*,á2ù0 D'1l:%o+^ž)í.}3Î Í4G

9 =“>?A ; ÍE +^(_D+“90E C(_D+/Ø(D D

A ; =“>? Û -x<Æ)D6 Í̄.m;X4CQ5ÜAñ“90E CA 8ñ.Š4,, R
+e“90E/Ø(DAC; Í0‘8à?±> Dõ5* Í9α“90E/Ø(D)ê> >Ñ.€ D

,52î/È+eBÑ9⁻)ñ7V Û<Â.JAæD+BŽ4p C)[8 /.- >R Í4U1t
*ÔD;5á/\$:⁻)0 ÍD[4G2î/È8 7g0¼D D

,5B'.E+eBÑ9⁻)ñ7V ŨŒ9 ,x> 7...D\$DëB• ħÂ:ž?³-,D ;^ Í
,÷? ,ĂCZ)ê.œ Í; >÷-x9⁻)ê)Ă0¼D D

,5:ˆ0 +eBÑ9⁻)ñ7V Û=W:Ž.LAG;#A Í> /Ă/.?">), ÍE
/\$8TA .L;ß Í/L@•ˆ0 DX4~0¼D Ü@p;9,É.‡ C1{6½0Ö7fÍ,Ă
CZ@N/Ø2 0ᵂ Í> /ĂDõ9œ/.?" ÍCd>õ5-:L:⁻)⁻)0¼D D

= / 6x R Â p y ð,°CY 1

.L;ßDõ:p;1A53• Í@p-Œ•Cv W.L;ß,É X C WD 9•,É X+i
,É5*,É.‡+eA 9 Í.‡,xB⁻E Í1I4C1B9Œ4I,É9⁻D/3Î1,..Z Í)
,0=⁻:g6») .}3Î/.2ùD'<Æ>Ö D

1.-j, 9‰AG(D/Ă9 3

-Ú2> W.L;ß,É X C WD 9•,É X C W:p;1.L;ßD/3ÎDÝBÓ X C
W:p;1.L;ß.‡,xB⁻E D A^ X+i,É5*,É.‡ Í.L;ßA21p/\$+y1I4C
4I.L;ßD/3Î+e-Ø? 0 *,D',)) Añ?^D ?± Í*D',):p(D/Ă.j,
9‰AG D

.L;ßB 2ù.j.j, B»A >R CDë)[C9⁻B' C0 .Z/.)'>R,ᵂ6
,÷2Ë Í-ØDõ,!4C/,< Í,!4C)ñ+DBÑ9⁻/.- >ö ÍAñ?^(DCp4I2ù
.j.j, C; 0«2ùD'9⁻/..L;ß+e,!4C?µ Í(DCp4ID1?,.j, +e3Ü
AG D

20196Ë Í.L;ßA5>÷)Ă/.=™5H=W8 ? 1,/0+e,ᵂ; .SCz2Ë5
*-j, *Ô0 Í,ᵂ(„D1?,=WDëC€0 0Œ)/B .L;ßD9*Ô;#? +e2W
)@ D.L;ß.j, *Ô0 :”AJAÑ? D1?,=WDëC€3ÜAG+eD9*Ô;#? ; Í

2Z,5D1?,=WDëC€(Ž2W1™?±4l+F,!0§8 Í8ó+F,!0§8 1,œ90E)
 0'; .L2Ë7œ5 Ü.L;ß,j, *Ô0 @B2:, ;# C0Á;#;)*9,3¼0 =W
 8 D' Ü.L;ß=l.ž5E; -Ø? D',) Í(DCpD1?,.j, D 9 9‰ C)/B
 9‰ C2W)@9‰+i-Ø? /0,É9‰AG D

2.1•9P6Ë3Ü9Ô7:..9 3

> 1™A) Bx8à/ù(l.j, AC; Í=<:g.L;ß3Ü9Ô,÷7...D',) Í
 > .j, <Â.J)÷?Û C/03Î C>), +e=WDë/ù(l Í-Ú2> W.yAû1™A
) 5E; :p;1.L;ß>÷1',÷/MAñ.y;#? +e=ID X W:p;1.L;ß0Á.}
 D A^{ 3/&—:p;1.L;ß>÷1',÷/M X0'.L;ßCc)í? .y.‡, Í
 .L;ßD', 4l W:•Gû;1D11'40E6°Añ:L1';U.j,pAñ>ÿ.L;ß> 3•9P
 6Ë(201920216Ë)j, /ù(l.‡/İ X D.L;ßB»5÷) 3 < CE ,O<Â
 9,,É, .L0 1' C9-AC.L0 1'/T Í5à6ËA5>÷1',P; ,÷7...3Ü9Ô)
 :zAû+R6Ë; >÷2ê,÷7...3Ü9Ô%ÍE 1•9P6ËA5>÷1',P; 3¼0§,÷
 7...+e3Ü9Ô) :zAû-α9P6Ë; >÷6Ë2Z2ê,÷7...3Ü9Ô)+e
 201620186Ë Í.L;ß>÷1',÷/M/00§ 10.18A;B< ÍC]E 1•9P6Ë6Ë
 2Z2ê,÷7...3Ü9Ô2.24%D

>~ 1 2016-2018 α]H Ý ‡)àH 64Ò õ à>~(...): s)

64Ò α Ö	2018α	2017α	2016α
)àH 64ÒH NÍ Ä [0> Á	28,557.4		

0F 9 3_AÑ)àH 6G} Y#Ö •3_AÑ 6G} Y#Ö" » Ä 7/ 8 Å	44.089
0F 9 3 w 6G} Y#Ö Ä 9 Å	77,005.3
0F 9 3_AÑ)àH 6G} Y#Ö • w 6G} Y#Ö" » Ä 7/ 9 Å	132.24

.L;ßA .,(•ñ>)1B C)đ?!2 AË+eBŽBÓ ÍB»DÃD9,5.j, 9%
AG(D/Å+e=M; ÍA -À,)D9;4,5CO9%09-/0,É9%0AG+e(D/Å D.L;ß
B»2 AË2W)@.ž)íD1 ÍA!,É0'8à?!>Ã7œ5 Í<Â-À?!>Ã=Y6 ,) Í
9αCO9%09-0'; C=⟨Cœ CDÝ9~+y4l1f.L;ßAË)ê.œ C)'>RDÕ
3 /.>÷1'4~9 3 D

.L;ß@p-ÔE ;9?!*Ü/0E +e:mA .‡BÓ Í@p-Ô'•CvB CO9%09-
8Ê, +e/0=M5%?±CO>R Í0'; ? CO9%09-=(IB 8ECO9%0? .y+eD9
*Ô?!>Ã í ,÷(D/Å4ICO9%09-+e/0,É9%0AG DL;ßDë?!9 3 4]/\$ Í
B .)6»DXA AY?±1I4C4I4]/\$+e/0E .y>Ö Í0 +d-Ø0³AY?±+e-À
,)9°=M Í(DCp4l=WDë1l:%0? 6 C:›)[2 AË+eDë1'?'É9 DB»AY
?±1%03 ,p6 Í@p-Ô'•Cv1%03 /0=M< .‡, +e3 ? Aä=_; Aä1%0
3 D20196Ë Í.L;ß< Añ+^8;*Ü3 2Z'•8;/Ú(_—>Ã Í*'> ,Ã:›
B 8;/Ú(_—>Ã+e9 3 D

2019

< B»8TA .‡,xAä.E.}3Î Í8ñ; > /ÅD .E/0,É9%oAG Í; 0•<Æ/0
=M-Ý0´ - /0:ˆ0 ,ÃCZ+e; 0«/..L;ß+e:›)[2 AË3®, Aä.E+e
; 0« D.L;ß.y•B'.E Í-¥:g.EE <Ö0ß Í0´8à3®, (D/Å Í(DCp
B'.E9%oAG ÍDÃD99-) &7•@™ Í0 0œ*•BÍ:ˆ0 2.A ÍD9;49-›%.y
/Ô Í; ; 9-?µ/Ð.}3Î D

1E ;9,É5*,É.‡ Í(DCpB'.E9%oAG

.L;ß1I4C/.=‹:g4I? AÇ+e.}3ÎD',) ÍAä.ECÿ)@ C?ž* <Æ
>Ö/.0...3Ù0 D'- /0W3®, ,É XW3®, /0=M,É XW:ˆ0 (D>ö,É XC
W“9œ:›)[,É X/. WD A) ,áD/,É X+i,É5*,É.‡A 9 Í)÷?Ù
.Z1I/.?”3®, .y>Ö Í8ñ; > /Å3®, C€/0,É9%oAG D.L;ß7M4G*•
BÍ=f1, C/.?” C9 ;ê+e.EE ,ö> ÍyDÃB'.E?¥3Î/.:Ž<Æ1B2Ö D
.L;ßD9;43®, (D/Å Í,Ã,æ/.=g.,,3®, (D/ÅAä8 Í) ,0-¥:g:›
) [.EE <Ö0ß Í> B'.E<Â.JAæD+“9œ>!:) +e.EE /Ø2 D.L;ß0
0œ=g?⊕HSAS1800D A 1B2Ö“9œ.}3Î<Æ>Ö/IS014001Ø2
.}3Î<Æ>Ö1I:%o Í) ,01B9œ3®, “9œ>!:) ,p6 +eD',) Í0 0œ*İ
1I“9œ>%/Ð8 <%o ÍDÃD9B'.E+e3®, “9œ>!:) 1mB /.7•@V ÍBx
8àB'.E+e“9œ>!:) AC; Í9œ4GAËBÍ“9œ:›)[4]/\$,ö> D.L;ß
D9;4D A) ,áD/.EE ÍAñ=‹:g+eD A >!:) .}3ÎD',) Í, 8;E
D *´;#1t*†D A) > / -»> E A +eB'.E1™?±D A 1B2Ö0Í)J Í
,5D9+,, -»> B'.EAñ? AÇ+e4g@™D',) Í9~(DB'.ED A 1B2Ö D9œ
6Ë>??£BxD A)) 3p D

2.0´8àD A 7•@V Í<Â:ž9-) &;ùD+

.L;ßD9;49-) &7•@™B 6½4G,ÃCZ Í(•)ñ Q9-) &;(E *Ô+eDë

? .y7...<,+e-Ø? .}3ÎD',) D.L;ß1€)ð? 2î/È<Â.JAæD+- >R Í
7M4G.ZBÍ(,,1~ C,AB<+eAË? 9 +a ÍB~Aä?i>Ã/Ð0•;V Í:ž0—Aæ
/Ð:m>R>Ö=T Í; >÷4l, 0¼ C/0=M:”7> C2î:m.}3Î C)73 .}3Î C
0Í/Ð@Š.}3Î+iAË? A >R+e=™5H/Ð C(‹DÝ/Ð ÍDæ4G*ÓBÍ)[.J?
A <Æ/Ð8 <%o D=M; Í5A >R4~)íD1+e- >ö+,,1™?±; (‘ C8!.a Í
9~4C- >ö+i0— ÍD', ,á2ù*ì; Í.‡(}AË? - >ö D

9 = />, P, °CY 1

.L;ß=l.ž9OE6 :•/Ð2ç@q? 6 .}3Î-¥-Ð C*•?£0...3Ü8!0¼0
D' ÍCœ/0*•?£DëB• ÍA51l:%o QD11‘4OE6°2ç@H0•;V@q2 B> R>
8V0 Í9OE6 Cœ/0 Q.›0³0•;VD1?¥ R C Q,,, ; 0•;VD1?¥ R C
QB>; .EE C_ R C Q) ; /T2ç@q.EE C_ R+i2ç@q8 <%o Í)÷?Û
=g1™?£)%4p@q,ÃD1?¥ CD9+,,; @Š;3+i8 <%o1l:%o Í.S114ID11‘
4OE6° ÍD16°*Ô@H)[@H@q/0E D1?¥ C9OE.› @N/Ø2 0x0•;VD1?¥+i
)[@H@q/0E D1?¥ D:%o4C4l300£.EE ;3 Í0 0OE=g, 9>D;?µ
0•;V-Ð?£/0E /Ð1l:%o0 , Í.Z1l,A)D*-DõDX*•?£/.DëB•.S?
<Æ>Ö D

20196Ë Í.L;ß,A*ì) 2: ÍDõDX*•?£6½4G>õDY<Â:ž ÍA 7>
D9*Ô2ç@q? 6 ? 0-9,+d=\\8' Í?)ê4lA 7>D9*Ô*•?£)ê.œ ÍA^
4•?±A 0•;V1™) D8ED1 QAñ:L1‘;U3 :^)Í>Û> :Q* <Ï?£)%4p
@q2 B AÇAä R? 6 0•;V*Ð+^.>0«4•>é;Ï8 Ü QBŽ3 B...>é7x,ð
0•;V@q2 R? 6 0•;V*Ð+^.>0«4•>é;Ï8 Í;U.>6»8Ç? ?±A ;8
• Ü Q, _@-/Ð<•@B4“4M@B;5@Š@q2 R? 6 0•;V‡Aû.>0«>é1™
;Ï8 D=M; B»D(6½D'BÍ4•B 9,+d=\\8'?µ1™CZ Í Q? D^, -,BÝ

*†3Î0 8X9¬@qD' R0' Q8Ç? 3 D(6½,÷@B:%o(Y+e@qD' R2Z0 +d)
)ê.G Í> ?±A D(6½/Ð,ÃCZDÃ9ì4I9OE?£0 4G D

,A6Ë3• Í.L;ß*Ô+I*•?£ C-³> 9¬>é Í) ,01™?±?£0•;V C
?£.EA6 C?£:%o(Y C?£)%4p+e@q2 2Ë,Ã/.AÇAä Í*Ù, 4I?±A 0•
;V:ž0— Ü.EA .m,đDü/03ÜAä*†D\$/D(6½D'BÍ3Á? 6 +e*•?£)ê
.œ Í> 1{6½1V/% C/Ø2 (D/Å CDëB•Dü/03ÜAä+i4•B E * 4IA
, +e:ˆ0 .R>ø Í8ñ; 5%?±4IE /\$?±A 7f=X(™+eBÑ9¬ D

1A^4•?±A 0•;V:ž0—

Añ:L1';U3 :^>Ù4D0—> :Q* <ì)%4p@q2 B AÇAä? 6 Í1f
2W4I4D2 19 > 5øA5>ã+e> 3 3ÜAä6²<Ã Í; >÷4I>Ù4D0—> :Q
Q-À?^ C2 0α C/Ø(D R+e*†D\$3ÜAä Í> ; >÷9OE> * <ì/.>?)
3 :^<Â.JD9A 0•;VD)æ Í=g, 4I>3.›Añ:L1';U.EA)*3 A +e
0•;V1™) D

@B3 ,đ;ï*†3ÎB /ùAä? 6 Í)ê.G1L:›>P,ÉAÇAäAû@B3 ,đ
;ï*†3Î Í=\\8'4I@B3 ,đ;ï*†3Î/T6²/ùAä+e0•;V8 2 Í,51V+n

3 :^8TA ,đ;ï*†3Î)ê(C<Â-À@B3 ,đ;ï/ùAä5+Añ0 00EE Aä D

? D^, -,BÝ*†3Î0 8X9¬@qD'? 6 Í2Ë*•4I.L;ßB»D(6½:%o
(Y2Ë,Ã,þ6 +e>é/4 Í2Ë,Ã+e 2/&D^, ? -,BÝ*†3Î0 8X9¬B¬?±
4)/\$ Í»-À>#E A /Ø2 >ã ÍoBÝ C3-BÝ0';ÇBÝ, E 4M.,>), Í
,)][8 D+4`*Ð+^9¬.E.oBÝ?^.œ D-α0 8X9¬=W9ìB¬?±/T Í2ê>
A 4W8TA ; >÷0ÖB'Bx?^ Í<Â-ÀE A ?^5+ Í<Â-ÀE A 2,) Í<Â
-À)[8 D+4` D

8Ç? 3 D(6½,÷@B:%o(Y+e@qD'? 6 Í)*Aä:•,.)@H>Ñ=]? *†

3Í0•;VA50' -À9 >[,÷(‡5++e=)]?)*0•DÑD\$+i*•?£?µ0•;V Í3Ü
Aä;Í6½XRT :...? ,÷@B0•;V,53 >P1™?±,÷@B,Í: @B* +e3 ; 1™
9ì@B)È1™?±Añ0¼1';U/ù;6 Í,ð; 1™?±0'.E)ê0 D':Q=f? Í?
6 *•?£?µ0')[A AÇAä*Ù3•+e2 0æ?^AG, ,è)Ä=* Í=g, ?±A
? *•?£ C5-:L C0•B•DË(... D

2/Ø2 (D/ÅB 2ê)÷?Ù,ÃCZ

.L;ßDX)[A > Añ:L1';U)* C@B CA Í;U""90E/Ø(D-À- >ö
?±A Íã;UDX<Æ3 :^ CA 4W8TA 2Z> .>0³D9+,,/Ø(D0Á2ù+F> Í
5-:L,ÃCZ0©;(.L;ßDË?®:ž0—,ÃCZ+e(yAêD 5 ÍA ;(8TA)ÅD/
2\$""+e-Ú(_(DCp D.L;ß1L9°C‡.,)Ú5E; +T+e; 2&*Ô2 :.' ÍA5
+T+e; 2&*Ô:›<•>%6 1l:%o> D +] Í@p-ÒD ?±.>0³,É5* ÇÉ.‡ Í
3̄.m;X4C Q5-;İ9 :^2.;(1':^AY:^ R+i:›<•>%6 ;Ý? Í0Â)÷
Q:g*PDõ9œ C5-:L,ÃCZ R+e/Ø(D3Í6İ ÍA5/Ø2 - >ö,á2ù> D9
+,, Í8à/ÐB•=X2ùD' Í@p-Ò/Ø(DA_/Ý7f)JB Cœ-¥ Í0'3 =g1™/Ø
2 Dü/0CœD/? 6 1l:%o DDÆ3-/Ø(DBÑ9-5E; ÍA!=q2ç0•1™) Í
0'•Ô/Ø(D=W9Í Í,Ã/ôDÉA 0Á.) Í=* Dü/0D/3Í Í<Â:ž/Ø2 (_
D+""90E;İ8 Í; >÷8TA B :^0 CDõ9œ1B2Ö2ê)÷?Ù,ÃCZ D

20196Ë Í:y.y8 .EA 8TA 90E6 D ?±8Ç? ><9ÿ>P<('7f,æ
>ÿD Í,Ó2û3 Dü/0:›<•?¿-•? 6 9ì@B Q,,,, ; ;81•.›=b2ö0Å
:›<•?¿-•; *Ô,x3P R Í,,,>X3 A 9º0 ,,>XDÔE DõD/9 Q9 1•
:›)[8TA)ç/& R Í Q@s9½9 +n8 > 3 5-:L-À?^+n)ê(_2Ë)*.y
0Ý0•;V@q2 B AÇAä R/. Q* <İ4p1M+n6½/%0 /Ð1b'ÉDÑ(Y R,÷
(0 5-:L3 :^2ç@H0•;V1R, _+i1R ÍD11'40E6º9º0 Q2019 6Ë,)

D1.›8Ç? ?±A 5-:L,ÃCZ1}* .R>ø1R R D

(1),áD/><9ÿ:%o; +e1l:%o/.B¬?±9 3

:›)[8TA -Ø3Á><9ÿ>P7f><2û2Z'•Cv.‡,x/ÐA 9 :%oD\$7f><

2û C(‹; 7g+i:%o; Í•Q9P=M; RA 9 :%oD\$><9ÿ>PD/3Î:%o; Í

B»(I-Ç8;0Á Í-Ø+F> ,áD/ ><9ÿ:%o; B¬?±>), D

,ð;ïD/3Î,þ6 Í=I.ž2ËCZ9 ><,÷4~ CB ><,÷4~ Í*´B•=X

0Ö:z,ð;ï)[:›4` Í) ,0<Â-À/ù;ï3ÜAä5+ Í6Š,,1™?±,ð;ï:•,)

2 /Ð*‡3Î Í2 .ž>P3Î)â1V ÍA50'3ÜAä:›>P?Ž=M@-/Ð+i0•;V*‡

3Î/T*Ð(‹=f7f D

,ð8YD/3Î,þ6 Í0 00E<ž< ?£.EA6 C?£0•;V Í=I.ž/ù;6 C

9†* 0 0Ö:zAñ/ 8Y<Æ Í9~(D,ð8Y*Ð(‹7f,æ D)*Aä-À?^+e) *Ý

*)ß C; ,É*)ß0'-À?^+^;6)ß.EA6 C>é1™+e3ÏDôA >];60•;V

+i*‡3Î/T*Ð(‹=f7f D

(2)1l:%o? 6 /Ø2 AÑ? 8!0¼0'8E< /Ø2 (D/Á?±Cÿ?Î2ê9

3

(I-Ç8;6» ÍL;ß@p-ÒD ?±1l:%o? 6 Q9P=M; R.}3ÎD',) Í

? 6 1l:%oQ/Ø2 AÑ? 8!0¼ RQ9P=M; Ð',)D ?±5+*Ð+^ 100%D

.L;ß@p-ÒD ?±7f><?Î2êD .}3Î.‡, Í•A 9 -Ý/Ü) 4•9,

7f><?Î2êD Í™?±7f><:(I Dy.yA 4W)È G-E>ÝA 4W)ÈAŮ2017

6Ë+x'•Cv7f><?Î2êD D',):‹4•4l?£+e7f><?Î2êD Í) @p-Ò'•

Cv7f><?Î2ê.}3Î<Ö3þ/0,É7f>< Ü-Ø8TA 2Z'•A 9 0'; 1j6ª/Ø

(D;Ñ Í5%?±8TA +e:ˆ0 BÑ9ˆ D

(3)=\,Ã/Ø2 ;#0ßAÇ0'B... '™

.L;ß-À,)D9;4B'.E+e"90E/Ø(DD >!1mB 7•@V Í) ,0<Â-À
B'.E+e"90E/Ø(DD >!AC; /.0•6½ D-Ø+F> D', 1mB 7•@V0§
/Ï ÍD9+,,E /\$90EB',É5*,É.‡1mB C?£B'.E9ÌD 1mB CB'.EDË
-»-•.E1mB /.<¹D7E A 9-B'+e9,D 7•@V C0-?Ù1mB +i Í:•9Ì
2ËCZ,Õ Q9P> R C-»> - >ö(‡; CD A >!:) / .? ,á"90E+iDÉ
? 1mB D)÷?Ù=g1™D A 1B2Ö<Æ0Í Í.‡,xD A >!:) }3Î D-Ø+F
> D', D >!EE 0§/Ï Í114C=ç:g1l:%o? 6 D A) ,á/Â:%o;
Q9P=M; R.EE Í*B•=X:pB...,á/.2ùD'D A) > / Ü,Ã,æ3®
, (D/AAä8 Í) ,0-¥:g:›)[.EE <Ö0ß Í> B'.E<Â.JAæD+"90E
>!:) +e.EE /Ø2 D2ËCZD A 1B2Ö0Í)J C>å0ÿ,á;O1V>#/.)ß,
> / D/3Î D,5D9+,,-»> B'.EAñ? AÇ+e4g@™D',) Í9~(DB'.ED
A 1B2Ö D90E6Ë>??£BxD A)) 3P D

(7)"90E,òAä=W9Ì9 3

.L;ß-À,)D9;4"90E,òAä+e=W9Ì9 3 8à4G=g, 2ç0•8à" Í
; >÷(_D+"90E C(_D+/Ø(D C(_D+1B2Ö D.L;ß0 00E=g,,AÇAä*Ô
?®Dõ, /Ð:%o(Y/.-À>#-»> :p+e?,?®D(6½0 8X9- Í) ,0=g1™
Q0 ?-/Ð/Ü9- CDõ, /Ð0Ö9- R.EE Ü)*@B CA 4W C1ID_+i+F
> '•CvW8TA "90E,òAä<Â9,/.; Aä.}3ÎÍ,É XE ,O<Â9,,òAä Í
9~(D"90E:›)[D.L;ß"90E:›)[?~;)÷?Ù>), Í90E6Ë>?D9*Ô"
90E;#.k D

(8)Ø(D,òAä=W9Ì0'/Ø(D? 6 1l:%o9 3

.L;ß5à6Ë=W9Ì*Ô4`Dë1' Í)÷?Ù=g1™/Ø(D0•;V-¥BÍ D29
6Ë2ËCZ1l:%o0 =W9ÌB-?±+e? 6 Û

:=g1TM/Ø(D0•-¥? 6 Í5[E =f7f;İ<17f>ÿD A 9 D
 ,Ó2û3 ; ; > 3 3 ,đ;İ<ÂD+-¥BÍ.E)í Q >ã;İ)ï9 .E)í Í
 >÷A21I)ê) =W9ÌB¬?± Í=f7f;İ2Z>), *Đ+^<1('7f,æ>ÿD D8E
 D1? 2ùD'B»1.0mg/LA56» Í8Ç2ùD'B»0.2mg/LA56» Í:Š2ùD'
 B»0.1mg/LA56» Íô2ùD'B»0.02mg/LA56» Đđ 20196Ë6 B£1

>Ù4D0—> :QDü/0/ù;63ÜAä9P-xDô? 6 Í? 6 1l)ê/T1L*Ô- ,)
<Â-À> :Q3ÜAä5+ D)*2S,đ; DëB•/Ð? 6 Í)*AäD(6½B... @B/.<Ü
<Ž0•;V Í; >÷)*2S,đ; +eDëB•/Ð D

3.1{6½0Ö7f

-Ú2>.>RB> W Q; 9P>F R1{6½0Ö7fDü/0?μ.EE ,P'™ X+e
Dý<Æ) ;Q Í•Cv.EA /.?|>Ã/Ð) ,Ã) +e W.EA 5-:L,ÃCZ.‡/İ
É20162020Ê XA50'.>RB>7>DÝ,Ã) +e W.yAû9œ6 0'8à:>•
/Ø2 (D/Å 0Â2W*Ó/\$><9ÿ,áD/.F0ÂC^+eAC0Ü X W*ÓAİ3—<Í(D
>!C^9P6Ë?±, 0§/İ X+e2@<Æ"7f ÍD11'4œ6°9œ4GE /\$1{6½0Ö
7f.EE Í)÷?Ù=g1™1{6½1V/% C9 1•:>)[CDëB•Dü/03ÜAä+e0•
;V-¥BÍ Í; ; 0Ö7f0•-¥.E)í Í0'8àD9+,,6½/%:‰(Y1{6½.}3Î Í
8à/ÐDXA ><9ÿ>P0Ö7f ÍA5,ÃCZ+e@|.f ÍDõ>30'@Z Í)÷?Ù0'*Ô
,5> 8Y7f,æ C><;İ*‡3Î+e.}2ù4G,) Í9~(DB»? 0Á)C;^2>>),
*Ð+^<1('7f,æ>ÿD A 9 Í™A) <Â:ž6½B• DëB•+e3ÜAä?^5+ D
20196Ë.L;ß>é/T=⟨)ê4l,Ó2û8Ç? 3 <Ö.B* =f7f;İ*‡3Î C
:y.yA 4W)È:v1,/Ø0•@m8Y)Í+n7f,æ/.<Í9œ8Y*Û<ÇAä5Û C+E>Ý
A 4W)È/ùDËA =r4"> 8Y)Í+n7f,æA50'/Ë0'9¶.L;ß/ 6Ù,đ;İ
*‡3Î0•;V-¥BÍ) =W9İ; Aä Í1™A) 1V+n4l><9ÿ>P7f,æ4` D=M
; Í=l.ž0'*Ô1{6½Dë1'=W9İ Í; ; ?İ9©; +^8Ç.™ C<œ@•6½,Ã
+^+i1{6½0•;V-¥BÍ Í<Â-À1{6½+^0 C;İ(d+i1{6½:‰(YAÇAä Í
8à/Ð:>)[.E?ÓB 9©3ÜAä Í0'8àAä+^}3Î Í; ?±- .i*Î- Aä+^
+i*İ; Í1™A) 1V+n6½B•? /%4` D

4.*Ô4G2ËCZ?£)[8 2Ë,Ã

.L;ß>é/T=ç)ê90E5")Ö:Ž 813 5"/01')[8 Ⓢ 'Æ+^6µ5")
0ß C7003-À8à5"/01'8\)\Ö(D>ö-½5"/01')%4p C8\)\Ö90E2 <Í*
+].• C@H>Ñ0 8 'Æ5") 0ß C7^:Q@g.f;70 D13 CD(6½;7(Ž5"
/01'=f2è+i?£)[8 +e2Ë,ÃB AÇAä Ü@qD'+eV'>),)Í>Ù@-ÐVÐ
,ü<Æ C+ÿ8 ; , 4GVï3ìDô+^)ù00E,[A22Ë; ? ,A0³2î/È.J0 Í
5".%o=N-•/0*Ù)% C> ?@2ü; +^)ùA22Ë; ?)*.[:m7>4` .JAÇ Í
--- =N---•/0+ , '6Ù)%4p C6Û=N-•/0)%4pA2,÷('? 5á.›.L;ß C
.›6»D 6 .L;ß0¥;î@š8 Í,5*01™? .y>ãAï?±A +e,ÃCZE * 4l
0 00E+e.R>ø Í))ê> =g, ?±A ,ÃCZ+eD9A Bx)Å00E D

5.0'8à(çDÝ1l:%o

* ,÷,Ã/ô(çDÝ+eA^4•/.D)æE Aä Å52ç0•D)æ(çDÝ<Â:ž C
A5?É9 A^4•(çDÝ<Â:ž CA5.}3Î*01™(çDÝ<Â:ž> 6 (ç Í0 00E)/
B .›0«(çDÝ C.›0³(çDÝ C+y,ß(çDÝA50'±A (çDÝ+eD' É?¿ Ê
, .EE D 20196Ë ÍD11'40E6°)/B 4l 45 ? (çDÝ+e(•D'B ?¿,
.EE Í> ?±A 0•;V1™) A50'(çDÝ/Ð.EE E * 4l0 00E+e.R>ø D
20196Ë ÍL;ßW3 A /<4`0Í)C0•;VB (çDÝ@q2 0'AÇAä X.W?
2 3 ([:Q/Ð@H,÷>W,ß,É X? 6 ,÷('0 D1.›Añ:L1';U.EA 2ç@H
0•;V1RA C, _+i1R D

6.0'8àD ;) [9%o(D/Å

D11'40E6°-À,)D9;4D ;) [9%o(D/Å.EE Í=l.žD ;) [9%o(D
/Å Í<Â-À8TA C0•;V9-B'A50'/0E +F> -Ø,ß,5@q2 2Ë,Ã/.0•
;V1™) .EE +e0 00E?µ Í*01™?±A 0•;V1™) 20196Ë Í;=3Î.L
;ßDÉ3Ü:ç9 29? Í8ED1 19? ,Ã6 DÉ3Ü:ç9 Ü0 ;;9%oDÉ3Ü42

? Í8ED1,Ã6 DÉ3Ü11? D

20196Ë ÍD11'40E6°=I.ž4ID1.‡ É(R2 Ê9°D Añ>ÿ.L;ßE
D +e9°D :"/, Í0 +d WD ;) [9‰.}3Í<Æ>Ö9°D D ;J X Í(‹D
.L;ßB»D ;) [9‰4•B 0 +dD9A 9°2ê ÍDü/02 Cš4G+d+^1™A)
<Â:ž Í> ?±A 6»D ;) [9‰(D/Â;X4C4I(‹-→ D

i = / ϕ- Á P ,°CY 1

1Aã<Õ.›8T+D+R ÍD[4G=r8 .F0Â

0 00E5%?±:ˆ0 BÑ9⁻0©;(A!,É'Í8T+eA 9 ÍA ;(8TA BÑ9⁻
+D+R+e<Æ>20196Ë ÍD11'40E6°0 00E2ËCZD)÷+y,ρ0'D=(€,Ã
CZ C- 8 Q;ì+^ R+i.EE ÍB»,52û- 8 .EE D1 Í.L;ßDý) 0'
:y.y C.,>X8 8TA >é/T=W9ÌDë1*Đ 300,A="B(ÍAäAûD)÷>Ä
=œ.E)í C- 8 C2)B. C*©:g+i.LAG;#A A50'D B•+y,ρ2 0α1I
:%o Í*Ù, +y,ρ2 0α,ÃCZ D

20196ËA53• Í.L;ß9°C‡•Cv-Ø0—Cÿ-•/.:p0—.L;ß.yAû2
DÝ- 8 .EE +e? .yA 9 /.) ;Q Í; ; , +,, - 8 Í2 DÝ9~, 'Đ
- ,5? Í=I.žD7D 2 0αE >P0'2ç0•- 8 +i*ì; Í<Â-À4I+R+y
*Æ6 +eDõ>3BÍ@K.G6½ ÍBx0'4I*Æ6 +e;69ì ÍAñ4G+y<Â:ž4I8T
A 5%?±:ˆ0 BÑ9⁻6½4G/.:ˆ0 ?⁻? D

>~ 2 œ (2018 α Ö2î ö iC[œ ö å

7 7	... }	Gÿ/ 0 ... ö å
0 Ã k f ö å		
!] Ö 1. CtH	7 s	311.34
2. (™Ct ÈIn	7 s	4.8
3. ^ Ù * "0û 'C[ê 7aC[ê	178

	7.4 ^ ÛC[!»+î ê	ê	
	8./n J !C[
!] Ö	8.1 L?G !C[• Æ Å •H NÍ	7 s	
	8.2 Ê&é !C[Æ Å •H NÍ	7 s	34.94
	8.3 !C[œ,ú *H Å •H NÍ	7 s	
	9. ! N©-		
!] Ö	9.1. N©- Z	Z	5
	9.2. Å •H NÍ	7 s	164.1
	9.3. ^ Û * "0û 'C[ê 7aC[ê	128

9 Å p9ç †N© Ä µ é Ä4x [Å

CZE * 4l1p*Ô+e.R>ø 20196Ë,) ÍL;ß3¼0§1j6ª-Ø ? ;Ñ,ò 8.56

A;B< Í*01™4l+y,þ2 0α1l:%o/..^0 ;#A +e,ÃCZ D

B +e:›>P,A@š?μ D0 00E.yDÃ:ˆ9 -,3Ü Í=I.ž,A5ø6Â0´3 A .L
;ß0 1´D)÷+R+y+e1mB C<ÆB C1B2Ö/.Ø(D;#A D

“ = ‹ Q

20206Ë;(90E6 1l)ê?,2Ö:ˆ0 /.Q; 9P>F R‡/İ;6.zD 6Ë Í
A ;(90E6 5E; .L;ß9P1•¬*~D *Û0 2W)@) ;Q+e.F0Â,ý1™D
6Ë D;!1ˆ*Ô(...270´;ú@~(... Ё3.› Q9P8;+ÿ0´ RAÑ?)÷?Ù:•/Ð Í
.L;ß,ÃCZ1L6 4z-Ý,A+e) 9~, AS;ù ÍB +^~Ý*Ô+e3ˆ6²<ÖC^ Í
=M; A AÍ3•4ID9A ,ÃCZ0 B D; 6 *ÀC~ ÍCŽ-Ë*P+J D>35è(y
?ÌA 2î.|90E6 C(^D 0 00E2Ö*P?~;!(.../Ð Í0Â)÷>)D÷+R=X@Q9
=\\8' Í=T* E /\$? 6 1l:%o C*•?£9 , C- >ö,á2ù C<ÂD+Bx?^
+i-Ø? .EE ÍA5-Ý0´0 00E+eDì<• C-Ý0´'› @•+e, D C-Ý0´ 0Â
, +e?!?¥ ÍB»3ˆ6²6 8Ñ)òAÃ!/ ÍB»,ÃCZ?±)íC_7f=X Í90E4GA5
-(*ÓAİ,) > 9 1™DË?®,ÃCZ.F0ÂC^ Í;J?•DË?®,ÃCZ?±>)D#B—+e
?£*Ñ2N D

CZ=œ> 3• Í.L;ß1L0-?Ù'²<Â:žA 0%o C90E6 5%?±:ˆ0 BÑ9⁻
/.AF>RB .L;ß,ÃCZ1•5ý1,/08Q3• ÍE @N)đ; ;9?IBŽBÓ ÍE ;9
:ˆ0 .L+c C:mA +a+c Í8à/ÐBÑ9⁻3Í6ï Í0Â)÷A54]/\$?^AG/ù(l
.j, Í0 00E(D/Â3ÜAG? .y,P+e-Ø? 9%oAG Í7M4G0Ú?±2 DÝ- 8
:ˆ0 BÑ9⁻ ÍB»; >÷8TA -ÀD+4` C-À?^AG C2ê)÷?Ù C1B2Ö,ÃCZ
+e=M; Í7M4GDØ9 2 0α C:ˆ0 A50´:›</Ø2 +eDü/0?^AGE Aæ
/Ð ÍA5; 0«?±, > 0 00E0Ú?±>Ñ1•8 :›<•>%6 ;Ý? Í*01™2 0α
:ˆ0 +e/.?“ C1™) B ,ÃCZ Â

?¼.y/BE%o Áã>EC€; Ü'ºZ•Cš4~ Í,ýROC€>é DC_B»?£+e

8Q+,, ÍD11'40E6°A5>Ñ1•8 ?£; *ÛD1.><1:L:^0 DXAF;Ý? > D
+J Í90E6 .,)Ú+T+e; 2&*Ô/.; 2&1•,_D1 C9PD1 C;åD190E0 0'
.,, ; > ; ,_1•'¬* C2&*90E0 2 : ' Í90E6 5E; ;p0—L;ß/
, ;#0 +e-Ø? .EE) ;Q Í0Â)÷>)D19 1™+e.EE Dý0 +~ ÍA5?£
,ÃCZ3Î6ï> A^4• ÍA5-ÀD+4` ,ÃCZ> /,?¥ ÍA5*ÓBÍ Q;!1^A 4~
+e,A1';U.>0«/ÐDëB•L;ß R> 6 (Í*Ù4•.,*ÔB'.EA5;,>38E
;Î+e+D+R2 : ' G³> 9¬>é+e*•?£AC; CAÿ.LA':^+e; -ªE - C
.G)ê) (yB»>3+e3 30E?¹/Ô Í9ÒAC1™9, Í5R=X3 -ª Í,ý4G88?•
D11'40E6°-ÀD+4` -À?^AG,ÃCZ?£8 Cc Í> Q; 9P>F R.‡/ÏB“5[
;6.zE * ?£.R>ø Â

:•Gû;1D11'40E6°Añ:L1';U.j,pAñ>ÿ.L;ß, ;#27

20206Ë3 B£109¶