



D14KD92ç.j,þAñ>ÿ.L;ß

6Ë,)(I-Ç

6Ë B£

| | | |
|-------------|-------|------------|
| 2012 | ..... | 1 |
|  | ..... | 2 |
|  | ..... | 6 |
|  | ..... | 12 |
|  | ..... | 12 |
|  | ..... | 39 |
|  | ..... | 39 |
|  | ..... | 43 |
|  | ..... | 62 |
|  | ..... | 68 |
|  | ..... | 71 |
|  | ..... | 191 |

| | | |
|--|--|--|
| | | |
| | | |

1

2

3

4

| | | |
|--|--|-------|
| | | |
| | SSS%) + | S%) + |
| | | |
| | | |
| | | |
| | Zoomlion Heavy Industry Science And Technology Co.,Ltd | |
| | Zoomlion | |
| | ' *% | |
| | (%SS% | |
| | ' *% | |
| | (%SS% | |
| | \hhd ##www'ncca`] cb" W#a# | |
| | %) +4ncca`] cb" W#a | |

| | | |
|--|------------------|------------------|
| | | |
| | | |
| | 361 | 361 |
| | 0731-85650157 | 0731-85650157 |
| | 0731-85651157 | 0731-85651157 |
| | 157@zoomlion.com | 157@zoomlion.com |

| | |
|--|-------------------|
| | |
| | www.cninfo.com.cn |
| | 361 |

| | | | | | |
|--|----------------|-----|-----------------|-----------------|------------|
| | | | | | |
| | 1999 08 31 | 307 | 430000400000198 | 430104712194405 | 71219440-5 |
| | 2012 09 26 | 361 | 430000400000198 | 430104712194405 | 71219440-5 |
| | | | | | |
| | 2008 12 31 “ ” | | | | |
| | 2008 12 31 “ ” | | | | |

| | |
|--|----------|
| | |
| | 19 B 208 |
| | |
| | |
| | 10 8 |
| | |

, ;#)ÅD#*"

E 2 +e-Ø> .j, Ū

6Ě Í;(D14KD92ç+{ -x)ê)Å+e6Ě57 ÍA ;(0CE) 8 ,Ó+eA 6Ě D>35èB -Ø> A 8Q ÍBž
 .ž4IA E E - Í*".ž4IA +a+a.y ÍE .ž4IA ,/) 8 <š+e5 D< 9œ±;=+^4I;1)Å+eC"C"/ AC Í
 +L>35è; D6^-+I? Cv Í/Æ? D)÷ Í, D '>@•Í A 8QC^; 4I@p2_+e;1)Å2Y@Š Í.S=MCZ>÷4ID14K
 D92ç+e-)*/.4G4` Â(_9-1~*-Ū(ŽD14KD92ç, ;#0 ? -Ø> .j, <Â)ë(_L;ß1yD" 6Ě B£
 9¶D +e2 AĚA 0%0'6Ě,)(I-Ç Í) ,5-Ø> .j,)Å8;A53•+eD)÷B .y?¥D#A5)ðD +e?œAC Â

;'B +a

.ž9†+eA 6Ě Í>35èB°A *-±;=4I;1)Å+e;Ó>Ã="(… Í3Å7P) , D.›0«CO>R> 0 :•)D*-AÑ?
)÷?Ū>ð>÷ Í;!1^2 0ªBx)Å+n5õ Í) ,Æ)âD9 D,Y < DæD1.›2 0ªBx;ú1V+n ÍD1.›E)í0 ?-)[6½.ž
 ; C2 CšB @~B 4s C?±A Bx;úCœ<Æ>ã1V D

;)Ä(… Í,Y+a) (… D0•; B»E @p3 +e/Ø2 3Đ ÍD14KD92ç; D60Â;9E (_C†+e0¼D .| Í)ð84
 E 9- Í<…; E ;# ŪA CzAS> >35è0Â;9)ð?! C.‡,x2 AĚ Í)&>?> 0'4~>ö<" C?¥>?7uPQ+y6'9 ,Ã
 CZ DE D6 Í>35è;60 +e;(9-?¥ Í;(5áb Í;(2 AĚA 0%+e<Â:ž Â

(...B 1™

6 ,5-•B' C(…/Đ C@p2_+e;1)Å?-' Í(…-Đ)&6½8Ñ1™ DD1492ç1•1•> 9§ Q.}3Í(…-Đ R/.
 Q.›0«/Đ R4^*Ô,ÃCZDX<Ã ÍAæ/Đ4~)í C8à/Đ6»2ù C@p2ù- >ö Í1V(_Bx?^ ÍCœ<ÆB-?±9 3 4]/\$ D
 .L;ß? 6 D'/.9P> 29C".}3Í;Ô3Ū=g1™ C4^8;5á B<CO)ê.G,Ã?± C,A? ?£)[8 ;Ã?£0'6Â;Ū;!1^0®
 5 C/ù.[& ,) \$.j9% CB»AÂ,)/.®>X1I)È+i Í* ,÷CZ; 4I.L;ß.}3Í9¶9)ê;M Í0•;V*•?£A^4•
)Ò4~ Í.›0«/ĐAñ?Ó=g1™+e4]/\$,ÃCZ<•;' D

(I-Ç8;6> ÍL;ß; >÷AĚA ;69Ì A;B'9-6 (s ÍM(iBx)Å Ū; >÷.Š;UAô6™.L;ß

CŽB 8G

90E9 .E)í0 ?-?±A Cž*±AûA -x<1;C+e,ĂCZ; 8; Ū90E9 2 0α-•;ö9µ1L(i1p/Ū5^ ÍD1.2 0α
 Aê3 ;úBx)ĂDĚ> 8 >)Bx)Ă Ū.E)í0 ?-;1)Ă?É9 Bx;ú,æ/Ū Í?±A 1L>)÷D1;úBx)Ă Ū?±A)[(6½.ž
 ; Í2 Cš-Ý0',90/Đ Í?±A 0•D1,)1L0 -Ý-À D Cf,5>35è+e;ùD+ C6½4G/.-Ø? .EE <Ă* 4I-Ý-À
 +eA 9 D> 4I;+AÇCfD7A 9 ÍD14KD92ç1LB»ĂĚ.)3Í,þ6 4X6».G C<ĂD+4` ÍB»C^55.)2ù C)[
 A) 27 C)OAM/Đ2 Cš C2ç@qDĚ/Đ C6») 2ùD' Šö,á2ù C2 AGD'BÍA50'8 7g1l:%o+i,þ6 90E,þ
 > <Ă:ž Í*',Y; >÷-ĂD+4` +eBx)Ă D

>35èA AÇ+R2Ō+^ Í?±A ,ĂCZ+n.i8; Í,5D14KD92ç3•;ÖA ;(6²+d+eC^550 B 8; DAêAû8ŃCQ
 ?µ+eC^55) 27 Í.L;ßB»?±A D1A2*±AûA -x? ,5Añ3Ū+eAæ;' +y> D>?5<=f) ?-;'.Dö:Ž< *±>
 ;'9È// ÍD14KD92ç+e;8A 2 AĚBŽBÓ9µ9œ;(Q;9CžÍBf;(9-//; 8;,) 9¾, A +e*ÔBŽBÓ D>35è
 A!,É2 AĚ Í)đ?;2 AĚ Í-Ý/\$; >÷8TA D/3Í+e.L 8 C.LCž C.L2Ě Ū2 > ,É5* Í2 > D)?Ó Í.±,x
 2 Cš ÍD#4GAû> /Ă)[A /.?'>• D Q;9Cž R+e=M; Í>35è/ÚA Q* 8G RÁ54Š0 +e)@55 Í4•>é
 +e0•;V C-ĂD+4` +e)[8 C-Ă;İDÝ+e- >R C-Ă?^5+++e.)3Í Í* 8GD'; D

6Ě ÍD14KD92ç1L0Ă)÷;9Cž* 8G Í1•DÆ+R8Ń+eC^550 B 8; ÍA!2à90E,þ> +e*•?£ Í>)D1
 9 1™ Í; >÷-ĂD+4` +eBx)Ă Ū0Ă)÷:•/Đ(...-Đ ÍA51)Ă> D1?¥ CA50•;V/.9-) &> -Ú(_ Í=<:g9þ>
 29C".}3Í6,,; Ū0Ă)÷; -ª C8ê-ª C3 -ª Í2Ě*•8TA ,ĂCZ?£2 1^ D

) 6'=";!C€ Í) E 6'A ; Ū) 6'90E27C€ Í) E 6'A B DD14KD92ç6ßB™'23^6²? +d-Ý,AA
 ?Š Í1†*-6½'²DÝ(YE +d-Ý* ,÷A ?Š Í².EE E +d-ÝBŪ; A ?Š ÍB»1t;=;1)Ă0í@ŠD1A 2.6½-Ý*'´
 9¾A ?Š D,Y*´2Ý@ŠD1E * 3•+eD14KD92ç Í3l;!1^0—8TA +e6 (<2.0 A÷1•A) D

E /T Í(_9-1~1%*-0 0 Í? .y?¥/.D)÷(_L;ß,ĂCZ+e< Añ .j, C:ˆ0 -Ø1^9-; C,,*Ô2î
 /ÈA50'A 6Ě3•?ø8û.EE +e90E<ÆB'.E(Ž; D5?¥+e-±?œ Â

, ;#)Ă ŪCS* ?£

6Ě B£ 9¶

| | ŠŽ | ŠŽ | ff | ŠŠ |
|---|---------------|---------------|------------|-------------|
| | (, ŽŠ+% | (*Ž' &&"), | ' " ++% | ' &Ž% &' *+ |
| | +Ž' ' S' S) | , ŽŠ*) "*(| ! - "%&& | (Ž***) ")- |
| | +Ž% - " + | +Ž-, +", & | ! %Š" * && | (Ž*' ' "' + |
| | &Ž- * S' & | &ŽS- ' " & | (%' (&& |) () "% |
| # | S' -) | % S) | ! - ") && | S" +) |
| # | S' -) | % S) | ! - ") && | S" +) |
| % | % " S+% | Š " %&% | ! * " S- % | ' ' " (%& |
| | ŠŠ | ŠŠ | ff | ŠŠ |
| | , , Ž- +(" (* | +%Ž), %++ | &(" " S% | *' ŽS, %) * |
| | (ŠŽ, S&' % | ') Ž((* " (| % " %&& | &+Ž(% " && |

1

| | +Ž' ' S' S) | , ŽŠ*) "*(| (ŠŽ, S&' % | ') Ž((* " (|
|--|-------------|------------|------------|---------------|
| | | | !(S" ŠŠ | !(S" ŠŠ |
| | +Ž' ' S' S) | , ŽŠ*) "*(| (ŠŽ+* &' % | ') Ž(S* " (|

| | &S%& | &S%& | &S%& | |
|--|----------|-----------|------------|----|
| | !% " && | ! (" - % | ! ' + " &* | |
| | &&S* % | , * " , , | +S" ') | |
| | !) " * % | !% " (& | , " * , | |
| | !% " + , | % " , & | | |
| | *S" ' + | & ")) | S" (* | |
| | S" S& | S" S& | | |
| | ' - " S- | &S" ') | %S" %& | |
| | S" (+ | , " +) | !S" % | |
| | % S" &* | ++ " , & | ' & && | !! |

1 —

1 —

C0•;V@q,Ã0-?ÙA^4•?±A ÍDõDX*•?£)ê.œ>õDY

É Ê8áC]0•;VD'-À+,, Í=g* 4IA 7>;!1^0—+e2 8 Û

6Ë B£ 9¶ Í.L;ß,Ã) 4I9CE9 E)Á(|0½(d)Ö 5ø C;!1^:p.EE - ,)E

)Á+e< ; 8QD90 ' ,_? ;!1^0<6Â;Ú0@5)|8 Ü

)ê.G@qD'* 9CE9 8QD96½4GE 8à+e57; 8QD90 = \$ &E% <•8-C,) / 7 8)Í*Ô?@

<•8-0 +i2@Añ9CE9 Q;^A ;^, _ R;Ï8 +e)|8 Ü

DõDX@qD'4l.>6»;8<%02@Añ.>0«>é1™;Ï8 +e = / - 7 & ; - (-À@Z3Á- *-@J)Ö Í=g* .>

)|E *Ô,7> = ((/ 6)Í*Ô?@A @Z={2S0 ÍÓ8'4l.>=f0•;V5 ,0 kí) 4I?±A 2ö', D

É Ê.>0«(‹DÝ/ÐE D 8QD90 0•;V> B'0 É , 62 7 & Ê5ù;J*‡5E/ÈD14K ÍAê*-L;ß)ê>

.>6»DÑ(YD'BÍA +{A -x.>0«(‹DÝ/ÐE D 5ù;J*‡ ,!4C)ñ+D+F> ÍCd>õ.L;ßB»9CE9 8QD90 ?±A +e

4•>é+y> D

É Ê?±A 6»;!0³)ñ+D.>0³ ? 6 ? CDõ9œ2ç@H0 1'? 6 ? Ég, ?±A 0•;V>)) ,ÃCZ D

8ED1 Í ? 6 Q.E)í0 ?—+^8Y>Ö=T+^*!0Ç9¾.y0Ý0•;V@q2 RD', 4I?±A ;8-x+^*!0Ç9¾.>0³

(‹DÝ Ü ? 6 Q)Í-À8à-(|0½C|=...)ê?^-^D 6,,6Ã0'AÇAä@q2 R=|8'4I8QD90)Í-À8à-(|0½

C|=...)ê?^-À2 ,)^D 6,,6Ã0•;V Í*Ð+^.>0«>é1™;Ï8 D

É Ê 6Ë B£ Í'0³D ;)|9%027;^2>>õ; Í 6ËD14KD92çDÉ3Ü:‹9 4`249CE.>F8à D

6Ë).L;ß:‹9 DÉ3Ü ? Í‹9 4` (D)÷?±A 4•>é D,Ã6 DÉ3ÜQ, 4G+FB‹0'8E2ùD',p,É R

9º0 D1.>DÉ3Ü1'1R Í Q8QD90 R=f.|:%00\$DÉ9Û D1.>=f.|:%00\$1'1R Í;8*-; >÷4I?±A =MA

6Ë,)0 4^? D1.>DÉ3Ü1'1R+e3Û; ?µ=|8' D

C.>0«/Ð1™)i9CE6 0';ú Í/ =fC^55-Ò27)÷?Û=‹:g

(I-Ç8;6» Í.L;ß* ,÷3ÜAä.>0«Dë(_8 <%0 Í0- 6ËB»?±A 6»5+>é; >÷ Q \$ + R.j;p

;1/T Í 6Ë.L;ßB^0*-4•>é)ê.G,Ã?±4^8;.S0\$; A;5áB‹CO9• Í1™A) =y3 9»Dë9 +a ÍAæ

/ĐCO>R1,,Z Ё 0´;ú=g1™.L;ß.›0«/ĐC^55<Â.JDë1'(DCp Ü.L;ß=l.žC^55/0E C/0Dë1l)È+i
 ,p; 0´*Ô4l/ =f=WDë4G,) Í) B»AÂ,)/.®>X4^*Ô/ =f:›)[0 +y? 6 :p9,+dD9*Ô1™CZ Ü
 6Ë6Ë+x Í.L;ß, ;#0 :”AJ=l.ž;6.[8E< .j,)÷Añ+e & ,) \$.j9‰ Í1L1™A) .O.m & ,) \$ +eCœ
 /0)ê.œ C<Â-ÀA <Æ/Đ2 AË+e?^5+/.}2ù6½4G D

(l-Ç8;6» Í.L;ß2 =f? ;<; >÷1p3 Bx)Á Í=M(iBx-

0 6P=b0 ?-,p6 ÍL;ßA2)ê.G1LD14K8 7g(d)Ö? =š+c.› Íf;(D1.›(d)ÖDöDX8 7g;8*~

1™9ì+c.›;1)Â ÜD14KD92çB»<Š.›; >÷4l* 2û/ =f1b'É)Ö+e+F(k1',OE *Ô, +F Í) ;8

*~B»-È58(i@h C;Ú3Đ3•2É CA"3Ž2ì C'f,\0'3Ü@h+i.›0³; >÷? ;< D

8QD90 ?-,p6 Í.L;ß0» ,75%*Û+–)ê.G* 2ûA"3« Í*•D1.›D'BÍ5%*Û+–)[8 * 2ûE *Ô

, 7 > 0" 5 Ü < 0) [8 D ö 6 Ë B + c.› - 2 6 7 . L ; ß - À , , 0 • ; V /

(<Z- /07XD?) (0 (<DÝ Í*Đ+^..›0«>é1™;İ8 ÍDü/0?µ6½B»9CE9 =M?®/&+e< 0 D1>)24

+{A Í9CE?£2Ë,Ã+e8 =X>Ö4q< 0 0 DÝ1™9ì?£0'8#;1)Â D

=b,p0 ?-,p6 Í.L;ß)Í.ž <‰ C0¼D A;9-6 (s+e={2S0 * 2ûD1, +y9 Í;Ã?£4l

-æ+y9 * 2û+F(kE *Ô? ;<0"5 D

C.)3Í(...-Đ)÷?Û=g1™ Í4~)íB°BÍ1™A) :•/Đ

(l-Ç8;6» Í.L;ß=g?± Q9P> 29C".}3Í R6,,; ÍA5;1)Â/.2î /È> D1?¥ Í.Z1l<Ú1•;1)Â+eE

D 1, . Z Í A > R 4 ~) í - Y 0 ´ ; Ô) Ê Í 2 W } @ D Û ± * Q E ± ? - Š D ' . } 3 Í Í (... - Đ . } 3 Í 6

;ú=g1™ 0, 3' @q,Ã(...-Đ Í<Â:ž0'; AÇ,5;1)Â(.../Đ+e3 ;ú,ÕAÇ6½4G Í0•;VB ;1)Â,51t-Y0* ,÷ Í

:‰0§ CD'BÍ C;1)Â-Ø-x0¼D *•BÍ/Ø1{Cž9»> A<Æ Í@q,ÃD+4`/.2ç0•)ê.œDË/Đ?^5+*Ô*Ô<Â:ž Ü

(...-ĐAË? 6,,; ÍBU, *ÔAË? <Æ>Ö1l:‰ 9CE4G=g1™9CE.›AË? *Ô9 8 <‰1l:‰0' 6 +<1l:‰.‡/Í ÍA5

*Ô9 8 <‰> B¹<Æ Í,A Q(™D7 R?Ž=ME C^ Í0;5ÖÙ,÷;1)Â+e2Ë,Ã=yCZ4G,) ÍBx8à- >R?Ž+~6½

4G ÜA5?|>Ã/Đ>Ö=T> D)æ Í*01™.}3Í<Â:ž Í; >÷ (5 3 C 3 / 0 É)[8 :›6 D=8; Ê/.9P> AÇAäB»

DX0 ;#A) +e9OE6 -"- D

C

W)'-œ XD1>%=™,Ã) Q 6ËD1.8TA 8à R7f?±Ò ÍD14KD92ç> 4q+{ > Í
AÐ3Ü6½4G24 > Ü
9ì@B-,) ;Ú9œ9 E 2@*•?£4G8TA +{ > Ü
+{9P*0 +d.0³ W:m8 ;</T- >R8!0¼<Æ>Ö X(‹DÝ9°D +e >F?“0— D ;J Í)ê> ?±A > A
A 0³;</T- >R>F?“0—(‹DÝ+e8TA Ü
+{>F*0 +d 1'B“Dá1R E 0², ;#0 1R Ü
0 ;;D1@œ>%6 'í'Á,Ã+e 9œ.›>%6 +F> 9°B Ü
0 ;;›>RB'Á,Ã+e 9œ.›2.A >é1™8TA 9°B Ü
CS* ?£, ;#)Á9°M@ 6Ë QD1.1}* D+4`9-1R R Í;(E)i0 ?-?±A > A 0 +d-α1R?
+e8TA 0³ D

C.L;ß;1D .}3Î9,+d=18'

6Ë ÍL;ß1™A) =<:g;1D .}3Î? .yD,) Í Dæ4G<Â:ž=WDëC€.y>Ö.}3Î=f,4+eDü/06½4G Í
=i.ž0 0œ+e;1D .}3Î.EE Í9±=WDëC€-Ý/\$+e411f.L;ß Í8à/Ð4l.L;ß.‡,x C=Y6 +e?? Í1™A
) Bx8à4l=WDëC€,5.L;ß+e?!?¥ D1yD 6Ë B£ 9¶ ÍD14KD92ç \$.j9œE6Ë+eCh- *Ð+^
Í + .jCh- *Ð+^ Í:pCh- ,)9œ6)ÍBž4^+yD ;^0'=M?±:p;1.L;ß D.L;ß+e;1D
.j}3Î.EE A +d+^4l;1)Â+e9°2ê ÜB»D1.›)'2 - BŞ'Ò Q:p;1.L;ß R8!@B? 6 D1 ÍD14KD92ç0 +d
6Ë,) QE 0²=WDëC€.L.S.y>Ö:p;1.L;ß R)ç/& ÜB»? -¼*Ô.L(I2:Í+e Q1'Dð2 R8!@BD1 Í.L;ß
0 +d QE 2@/ =fAÑ? 4G:p;1.L;ß R)ç/& ÜB»Aê2 6» 0³.L6•/. 0³DXA ;P6•0 1'.L;ß
> 0 1'2 3Î8!* +e Q 6Ë 0³E ;=E 2 :p;1.L;ß6 +F RD1 ÍD14KD92ç6 4q+{ > D

1

| | | | | |
|--|--|---------------|--------------|------------|
| | | | | |
| | | (, ž\$+%% | (*ž' &&'), | ' "++%' |
| | | ' &ž) () " *% | ' %ž' %ž" S' | ' " - ' %' |
| | | ' ž' + * "% | ' ž% - " + (| *",) %' |

| | | | |
|---|-----|---------|---------|
|) | 9 | &, " & | S") % |
| | --- | %ž(+& & | " S*% " |

| | | &S%& | | &S%& | | fp/L |
|--|--|--------------|-----------|-------------|-----------|------------|
| | | | % | | % | |
| | | ' Sž* & " SS | - (" S- % | & ž (* " SS | - (" S, % | ' "- (% |
| | | %ž% & " SS | ' " *' % | %žS(+ " SS | ' "' (% | %ž, - % |
| | | &+ & " SS | S", (% | & ' " SS | S", %ž | + ") % |
| | | (*, | % ((% |))' | % ++ % | ! % "' + % |

| | |
|---|--------------|
| |) ž- + S", , |
| % | % " S& % |

| | | | % |
|---|-----|--------------|----------|
| % | 5 | %ž+S+)) |) "% % |
| & | 6 | %ž' '% -) | (" S& % |
| ' | 7 | %žS, - " * & | ' " & % |
| (| 8 | %žSS - ")' | ' " S) % |
|) | 9 | , ' & & | &) % |
| | --- |) ž- + S", , | % " S& % |

4

30%

5

| | |
|------|-------------|
| &S%& | %ž+ % " + % |
| &S%& | (" % % |
| &S%& | ' "), % |

| | | | | | | |
|--|----------------|---------------|------------|------------|--------------|------------|
| | %ž% &' %\$ | %\$ž' ' S' S(| &' "- S% | ! - ") %& | ! %\$' - %& | % %& % |
| | ' ž S' " " * + | &ž%&' ") * | & " ") % | %, - % |) ") S% | ! &' (- % |
| | %ž), " & | - S) " , ' | (% , +% | ! %\$' & % | ! %ž " () % | ' ") * % |
| | &ž&ž, " +' | %ž+**" ((| &&' %& % | %ž" (, % | %žž , , % | % * - % |
| | &' " +, | & (- " -) | %&' "- && | ! (% + S% | ! ((" , && | (" , S% |
| | %ž S+ " % | - () " - - | %ž ,) % | ! %ž -) % | ! %ž ,) , % | ! S' " , % |
| | %ž* S S' S& | %\$ " S& | - ' " % % | % %\$ % | ! (+ " ' && | * " &+ % |
| | | | | | | |
| | ((ž+, " %& | &ž, & " S' | ' " " (S% | &') (% | &' (+ % | S' S) % |
| | &ž++ S' +& | &ž& - " - - | % " %ž % | & " , %& | & S' & % | &' - % |

1

| | &S%& | | &S%& | | % | |
|--|---------------|-----------|--------------|-----------|------------|--|
| | | % | | % | | |
| | &ž &ž S* " %ž | &' " S, % | %+ž+(") % | &' " + % | %' & % | |
| | %ž- S S' ") | &&' & % | %žž* , " S+ | %ž' & % | (" - * % | |
| | %ž+ ' &')' | % " % % | - ž*) " " * | % " (- % | ! S' " % | |
| | S' S S | S% | S' S S | S% | S% | |
| | ' ' S' S* | S' " + % | %ž) " S* | S' %ž % | S' && | |
| | (ž) * - " " * |) " % % | (ž%ž%) + |) " + ' % | ! S') - % | |
| | %ž) (&' (- | % + ' % | + , ' " , * | % %& | S' * (% | |

2

| | &S%& | | &S%& | | % | |
|--|--------------|-----------|---------------|----------|-------------|--|
| | | % | | % | | |
| | (ž&& " *(| (" + ' % | (ž) &' " &ž | * " ' && | ! %) - % | |
| | ' ž, * - ") | (" ") % |)ž-) * " , * | , " ' && | ! " " - + % | |

* ,÷<Æ>÷4l.L2Ë C.L8 C.LCž+eBŽBÓ Í/=\$+y> /Å4l2 6»=f.j, Aé8E;(D1?,.j, +e3ÜAG Í>
 .L;ß)Å8;>)1B,ÃCZ*Ó>ã4l0Â; +e0 *, D

C8à*Ô+eDëB•7...D\$6½4G/-Y-À+eB-AË?^5+(DD 4l.L;ß>)) ,ÃCZ

D14KD92çAÖAñ8à*Ô+eDëB•7...D\$6½4G/-Y-À+eB-AË?^5+ DB»9-B'7...D\$,p6 Í†6,,1,Z/03Í Í
 9-2Z?^5+-ÀAû?±A 8 2Z;î8 ÜB»Dë)[7...D\$,p6.m, Dë)[=WDë1~:~ Í+F> .m, Dë)[*•BÍ+e2
 0æ?^AGA -ÀAû?±A 8 2Z;î8 DB»?±A ,ÃCZ9 /Û+e?~;'>ã ÍY-À+eB-AË?^5+ ÍY+n+e.m,)ê(_ Í
 Añ3ÜAû8TA >)1B,ÃCZ D

1

1

2012

2011

)) * %& '%

| | |
|--|---|
| | <p>' *žSSS —</p> <p>—ž-*)", & &žS' ("% +&' &%</p> <p>&žSS' ("% &žSS' ("%</p> <p>-ž-*)", & &žSS' ("% &žSS' ("%</p> <p>&žSS' ("% &žSS' ("%</p> |
| | <p>žSS' (&</p> <p>%žSS', -")%</p> <p>, žSS'%"++ *)žSS', "S%</p> <p>*žSS', S"SS %žSS'%" - &</p> <p>žSSSS"SS %žSS'%"</p> <p>' žSS'%'() 'žSS'%" &</p> <p>' žSSSS"SS 'žSS'%"</p> <p>žSS'+" &žSS'%"</p> |
| | |
| | |
| | |
| | |

3

| | | (1) | | (2) | (%)(3)=(2)/(1) | | | | |
|--|-----|--------|--------|--------|----------------|---------------|--|--|--|
| | „ „ | 20,900 | 20,900 | 20,900 | 100% | 2012 06 29 | | | |

| | | | | | | | | | |
|--|--|--|--|------------|-----------|---------|-------------|------------|-----------|
| | | | | (*) - " S, | %zS' S' & |) * & & | %zS&+ "*" (|) "% | ' " & |
| | | | | %SSSS | *', ", , | ' " *, | & ' " , (| ! ' * " (% | ! ' * " & |
| | | | | (+ ' - (|) & S' & | %S&S' % | (- * " , + | & " S' | (- ") , |

| | | | |
|--|--|--|--|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

= R R P O L R Q + . 6 3 9 & R / L P L W H É S É Ó Í Ñ Ò 4 1 0 E D 6 B . L ; ß Í ê
 4CAÛ 6Ë B£ 9¶ ÍDÃ)B+yB»? -¼ ÍA2,Ã?±.j(_> ="B<-¼(s Í , ;#> ?½@±6 /.:2ã ÍDXAË
 A >R> =WDë2ù.j Í:%o4C+e6 +e1—AäAû.L;ßB»2 =f,Ã?±5áB<CO9• D6 8ÑD14K? -¼A2,Ã?±/00\$
 A;5áB<+eCO9• D

ÉA Ê?±A ,ÃCZ+e9 ;'B ;1)ÂCZ=œ

C.0«;1)Â

6Ë Í9CE9 2 0ª-•;öD 5 9µ1L) 8 <š Í+L;(Dý<Æ1L(D)÷Bx)Á<•;' D-Ú2>.0«0 (s0 1'

E D +e;^2> Û 6Ë9CE9 2 0ªBx)Á5+1L> Í55-ÀAû 6Ë+e DB...0§.E)í0 ?-)[

8 +e;1)Â?É9 1L+d+^A ,)í,+e3Š*Ô Í D1.›.E)í0 ?-8TA 1™2].0«;1)Â2ê6½0 +d-Ý,A+e0 0 Ü

B *-M; ÍAä.E C9»Dë CBŽ)%4p+i)ê(,òAä+ø:ž; +d>3.›.E)í0 ?-?±A BŽAñ+e.0«(i1pAæ

;0Ö9Ö Í.0«;1)Â2 Cš9¶9 0...4s ÍCœ<Æ2 Cš; 4G8à+e8TA 1L0 9,-Ý,A+e;1)Â,p,O D

3 C.6»;1)Â

6Ë.6»2 0ªAñ=œ>#/.-•;ö Í)èC"/Ð+e=g1™1L*Ù, 0 *,1l:%o/.,à+y)[=WDë>)/ù:ž Í

=WDë*Ü3 AA1L(D)÷;+,)Bx0' ÍCœ<ÆCÿ)@/32Añ.E)í0 ?-?±A +e,ÃCZ Ü;=K.|2 0ª/Ø2 C

)[6½.ž; +iAS;ùAñ? ÍE)í0 ?-?±A A21™9)D1;úBx)Á1x,/ Í1)Â,p,O1L) ,0? 4›=X8TA 0•D1 Í

)[8 1,..Z/03Í C0•;V*•?£6½4G8à CDëB•Cœ/06½4G8à+e8TA 1LB»2 CšD1=rAÒ,Y* D

É, _ Ê 6Ë,)DXA 2 AË.EE ;Ý5 /.*ì;

A5;1)Â> D1?¥ CA50•;VB 9-) &> -Ú(_ Í0Â,) A'+yE =Y(... -Ð ÍE :•.0«/Ð Í114C C=ç:g

9p> 29C".}3Í6,,; +e.0«/Ð;#A) ÍA!2à9CE,p> +e*•?£ Í>)D19 1™ Í; >÷AñD+4`+eBx)Á D

C 9CE6 =g?±.}3Í6,,; (...-Ð

(...-Ð,÷7...0...3Ù0 D'0';#A) .}2ù6,,; Í1™A) <Â:ž2 AË?^5+ Ü+~Cœ CAæ/Ð.L;ß+eE D 0½.Z

B D 6½ Í; >÷.}3Í8ÑA' Ü*Í11-Ø3Á.S?µ8 <%o Í0-?Ù=g?± , 3' @q,Ã(...-Ð ÍAæ/Ð?£)[8 2Ë,Ã4~)í Í

<Â:ž@q,ÃD+4`B @q,Ã?^5+ ÍB»D9+,,9 B @Y;ú;5+,,=g1™*ÔAË? .}3Í(...-Ð0`3 ;1)Â,ÕAÇ6½4G D

C 0`8àC^55.}2ù Í9CE6 <Â:ž2 AË.}3Í6½4G

0`8àD 6½C^55.‡/+HÐÓ4 ÜÒ@0`8àC^5ù6,,•Ã0Ó uÂ, AË?,4 x ¢A ÒàÜÐ

| | | | | | | | |
|------|----|----|--|--|--|------|--------|
| 2012 | 11 | 01 | | | | BNP | |
| 2012 | 11 | 07 | | | | | |
| 2012 | 11 | 08 | | | | | |
| 2012 | 11 | 08 | | | | | 1 2012 |
| 2012 | 11 | 15 | | | | | |
| 2012 | 11 | 19 | | | | | 2 |
| 2012 | 11 | 28 | | | | CICC | |
| 2012 | 11 | 29 | | | | | 3 |
| 2012 | 12 | 06 | | | | | |
| 2012 | 12 | 07 | | | | | 4 |
| 2012 | 12 | 14 | | | | | |
| 2012 | 12 | 17 | | | | | 1 |
| 2012 | 12 | 19 | | | | | 2 |
| 2012 | 12 | 21 | | | | | |
| 2012 | 12 | 21 | | | | | |

| | | | | | | | |
|-----|--|--|-----|-----|-----|--|--|
| () | | | () | () | () | | |
|-----|--|--|-----|-----|-----|--|--|

65%

21,070,598.44

2,015

149,954

2008 12

30

2009

12 11

2,107.06

2009 4 7

21,070,598.44

1

| | | | |
|-------|--|---------|--|
| A3+B3 | | A4+B4 | |
| A4+B4 | | 18.49% | |
| C | | 0 | |
| D 70% | | 754,260 | |
| E 50% | | 0 | |
| C+D+E | | 754,260 | |
| | | | |
| | | | |

| | |
|--|---------|
| | |
| | &" (, |
| | , |
| | |
| | %\$" +) |
| | , |
| | |

(,

ÉA Ê 6Ë B£ 9¶ Í.L;ß+{;â1•, ;#0 6Ë,) +{A *-4z; 0 AJ2W, A5>÷1'?'-; *

Dë9-6 (s A;B< Í:%o4CA 0³9CEDëDô.L;ß)Å:TD4KD92ç/Ø>!0 ?-Añ>ÿ.L;ß Í) ? 8EDË9αB /Ø>!

0 ?-A >R? .y+eDë)[ÍDË9α0¼-Ò> -α+iDë)[1yD" 6Ë B£ 9¶+€I6 D /00§9-6 (sB•

=“B< D

É, _ Ê 6Ë B£ 9¶ Í.L;ß+{;â1•, ;#0 +{;â*~0 AJ2W, =I.žB»/_6°; 4K/0)[9%1\A8
 < .s7g1\A8+e,p; * ;<)Á:TD14KD92ç/Ø>!0 ?-Añ>ÿ.L;ß +e.j9% D(I-Ç8;6» Í>?AC? ,p?
 /_6°; 4K/0)[9%1\A8< +~1\;=9α:κ9 D6 8Ñ Í-α.j9%.s7g1\A8A2D6D D

É9p Ê 6Ë B£ 9¶ Í.L;ß+{;â1•, ;#0 6Ë,) +{4š*~4z; 0 AJ2W, A5 A;5á
 B<+e0¼-Ò/ù.[-À; .L;ß C/LAD=WDë C5]*D4w0 1'0' & ,) \$.}3Î)DD 1t/.0Á1t)÷Añ+e? -¼ & ,) \$.L
 ;ß +e.j9% Í*,YAÖAñ & ,) \$.L;ß .j9% D6 8Ñ Í-α1\A8:q> =)ê1\-İ D

C.L;ßAû 6Ë B£ 9¶ B£ 9¶A5B0¼D B<> +F> ,Ã?±.L;ßCO9• Í.S6•0•Dë1'
 A;B< D.L;ßCO9•Aû 6Ë B£ 9¶0 DÝB»:•GûD 9•1\A8< :p;11\A8 Í0Ó)ç08D14KCÓ*Û5L
 “112002” Í*Ç?Û8;> 6Ë ÉCO9•)÷Añ9-Añ9%0B»CO9•*Ç0AÛ; 6Ë--->Ã9¶1L8E)÷Añ+eCO9•9CE)
 0) ,÷'6 D /ù;<-Û(L;ß Ê Í,Ã?±3Û5+> D
 1yD" 6Ë B£ 9¶ Í8Ñ; 6 .L;ßCO9•)÷Añ9-)÷CO9 3 Û

| .L;ßCO9•)÷Añ9-6)ç |)÷AñCO9•^4` | (i3p |
|--|---|------|
| / =I ÎD1?± Î-œ=IAY?± | | |
| .EAY9Ñ?!0 1'.L;ß Î.E?± Î<1, 2î/ËDë)[| | |
| D1.> Aî/Ð.E0•=f.L;ß8TA 6Ë1'0§/İ ÎD1.>.E:mAY?± | | |
| D1.>1l:%AY?± Î.EAY9Ñ?!?!Aä<Î3ÛCO9•?@D 9•=WDë0 1' | | |
| 9CE.>^(D0 1',_4,,4šE /0 | | |
| D1.> Aî<Í9œ8Y0•=f.L;ß8TA 6Ë1'0§/İ ÎD1.>.E:mAY?± | | |
| ...,ÃD 9•.j,pAñ>ÿ.L;ß | | |
| D1.>.E:mAY?± Î0 <Î-œBx8à;6AGCO9•?@D 9•=WDë0 1' | | |
| 0 <Î-œDë)[.}3Î É? -¼ ÊAñ>ÿ.L;ß Î0 <Î-œ9-6 (sCO9•0 1' | | |
| 9CE.>^(D0 1"-4,,9pE /0 | | |
| :p;WCO9•)÷Añ9-.y4K.y>Ö+e;Ö6 | .EAY9Ñ?!0 1'.L;ß Î.E?± Î<1, 2î/ËDë)[B .EAY9Ñ?!?!Aä<Î 3ÛCO9•?@D 9•=WDë0 1'=M;U.EAY9Ñ?!0 1'.}3ÎAñ>ÿ.L;ß.) 3Î ÜD1.>.E:mAY?± Î0 <Î-œBx8à;6AGCO9•?@D 9•=WDë0 1'B 0 <Î-œDë)[.}3Î É? -¼ ÊAñ>ÿ.L;ß Î0 <Î-œ9-6 (sCO9•0 1'=M | |

;U0 <î-œ0 1'.)3îAñ>ÿ.L;ß.)3î Ü9œ.}>^(D0 1',_4,,4šE /0
B 9œ.}>^(D0 1''-4,,9þE /0=M;U9œ.}>^(D0 1'.)3î Ü> D 8E
< CO9*)÷Añ9-D 0Á;(- *ÇB»8E< .y4K.y>Ö D

| | | (%) | | | | | | | (%) |
|---|-------------------|--------|---|---|---|---|---|-------------------|--------|
| | 1,864,143 | 0.02% | 0 | 0 | 0 | 0 | 0 | 1,864,143 | 0.02% |
| 1 | 0 | 0% | 0 | 0 | 0 | 0 | 0 | 0 | 0% |
| 2 | 0 | 0% | 0 | 0 | 0 | 0 | 0 | 0 | 0% |
| 3 | 0 | 0% | 0 | 0 | 0 | 0 | 0 | 0 | 0% |
| | 0 | 0% | 0 | 0 | 0 | 0 | 0 | 0 | 0% |
| | 0 | 0% | 0 | 0 | 0 | 0 | 0 | 0 | 0% |
| 4 | 0 | 0% | 0 | 0 | 0 | 0 | 0 | 0 | 0% |
| | 0 | 0% | 0 | 0 | 0 | 0 | 0 | 0 | 0% |
| | 0 | 0% | 0 | 0 | 0 | 0 | 0 | 0 | 0% |
| 5 | 1,864,143 | 0.02% | 0 | 0 | 0 | 0 | 0 | 1,864,143 | 0.02% |
| | 7,704,089, 907 | 99.98% | 0 | 0 | 0 | 0 | 0 | 7,704,089, 907 | 99.98% |
| 1 | 6,274,061, 021 | 81.42% | 0 | 0 | 0 | 0 | 0 | 6,274,061, 021 | 81.42% |
| 2 | 0 | 0% | 0 | 0 | 0 | 0 | 0 | 0 | 0% |
| 3 | 1,430,028, 886 | 18.56% | 0 | 0 | 0 | 0 | 0 | 1,430,028, 886 | 18.56% |
| 4 | 0 | 0% | 0 | 0 | 0 | 0 | 0 | 0 | 0% |
| | 7,705,954, 050 | 100% | 0 | 0 | 0 | 0 | 0 | 7,705,954, 050 | 100% |

1



20c>Ti /TT31 1 T1.2

1



| | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|

/

| | | | | | | | | | | | | |
|-------------------------------|----|----|----|----|------------|----------|------------|----------|-----------|---|--------|-----------|
| | | | | | 22 | 22 | | | | | | |
| | | | | 57 | 2010 22 | 07 22 | 2013 22 | 07 22 | 158,014 | 0 | 0 | 158,014 |
| | | | | 55 | 2010 22 | 07 22 | 2013 22 | 07 22 | 125,126 | 0 | 0 | 125,126 |
| | | | | 48 | 2010 22 | 07 22 | 2013 22 | 07 22 | 96,525 | 0 | 0 | 96,525 |
| | | | | 40 | 2010 22 | 07 22 | 2013 22 | 07 22 | 114,400 | 0 | 0 | 114,400 |
| | | | | 50 | 2010 22 | 07 22 | 2013 22 | 07 22 | 178,750 | 0 | 0 | 178,750 |
| | | | | 50 | 2010 22 | 07 22 | 2013 22 | 07 22 | 160,876 | 0 | 0 | 160,876 |
| | | | | 49 | 2010 22 | 07 22 | 2013 22 | 07 22 | 153,010 | 0 | 0 | 153,010 |
| | | | | 49 | 2010 22 | 07 22 | 2013 22 | 07 22 | 0 | 0 | 0 | 0 |
| | | | | 42 | 2010 22 | 07 22 | 2013 22 | 07 22 | 0 | 0 | 0 | 0 |
| | | | | 49 | 2010 22 | 07 22 | 2013 22 | 07 22 | 0 | 0 | 0 | 0 |
| | | | | 40 | 2010 22 | 07 22 | 2013 22 | 07 22 | 71,500 | 0 | 0 | 71,500 |
| Ajilore Akinola Odunayo | | | | 51 | 2012 26 | 04 22 | 2013 22 | 07 22 | 0 | 0 | 0 | 0 |
| | | | | 46 | 2010 22 | 07 22 | 2013 22 | 07 22 | 0 | 0 | 0 | 0 |
| | | | | 41 | 2010 22 | 07 22 | 2013 22 | 07 22 | 0 | 0 | 0 | 0 |
| | | | | 40 | 2010 22 | 07 22 | 2012 29 | 10 | 0 | 0 | 0 | 0 |
| | -- | -- | -- | -- | -- | -- | -- | -- | 2,485,535 | 0 | 41,113 | 2,444,422 |

CS* ?£) ; Û, ;#)À0Ç;8>ÐD ?±.z Í6± Í 6Ë:› ÍCS) ; Dõ 6Ë(_L;ß)ê4CA53•A
D * 9^(_L;ß, ;# ÍDõ 6Ë2Ë; * 9^, ;#)À DCS) ; 6 8Ñ0Ç9^D14K(D5 1~.j,þAñ>ÿ.L;ß C
/_6°<14GA @ZAñ>ÿBÑ9^L;ß0'/_6°D1OX--8 BÍ.E)íAñ>ÿ.L;ß+i(_L;ß,A0³Dð.L;ß, ;#)À Í
* 9^D14KD92ç É? -¼ Ê2ù.jAñ>ÿ.L;ß CD14KD92ç.›0«5ÔA8 É? -¼ ÊAñ>ÿ.L;ß CD14KD92çE 4•
É? -¼ ÊAñ>ÿ.L;ß, ;# DCS) ; Aû 6Ë B£)ê> ? ;=›>RB›Cÿ-•<1;C1“<Ú+eDÉ0³ ÍAû
6Ë0 1l:%o) 9°2ê> -À0—E)í; Í8óDõ 6Ë B£8Q0 1l:%o) 9°2ê> .}3Î0'.E)í@q2 B' DCS)
; BÙAû)À:T1l:%o0 ?-@q2 B' É110 B' ” Ê+D9^,A-x-À0—D > ÍÝ3%Aû 6Ë B£D" 6Ë B£
9^110 B'-'B')À ÍAû 6Ë B£D" 6Ë B£9^110 B'›B')À DCS) ; AA0Ç9^,A? .LD DCS)
; Aû 6Ë+R@BD1.›.S)[+T; 4š*Ô*Û(Ž Í 6Ë+R@B+{; 1•9OE.›9-6 *Û(Ž*Ô0 *Û(Ž Í
6Ë+R@BD1.›.S)[+T; 8@*Ô*Û(Ž Í 6Ë+R@B/_6°; +{; *^-+T*Û0 *Û(Ž C/_6°; +{; 1•; > >
B' Í 6Ë+R@B+{; ,_1•9OE.›9-6 *Û(Ž*Ô0 *Û(Ž DCS) ; Dõ 6Ë B£8QAA* 9^D1.›8TA 0³
?Ž0 0^D1.›8TA 4K/00 -'0)À D CS) ; BÙ0 +d,A?)ç/&0^1R? Í 'Ý3%Aû 6Ë B£(\8!>
Î 6Ë1l:%o) 6Ë,)Aæ?Ä4•+]-ª) ÍAû 6Ë(1l:%o) 8!> Añ=* .R>ø+eD19 6Ë2ç@H 00•;V
0'.}3ÎDÉ0³ ÍAû 6Ë B£8!> 9OE.›>é1™.EE C€ ÍAû 6Ë8!> ;81•9OE.›0 ?-EA Aæ?Ä8TA
0³ ÍAû 6Ë B£8!> 6ËD1.›8TA ; *Ô?£>&9-›P ÍAû 6Ë B£8!> +{9P1•9OE.›Aæ?Ä*•
A 8TA 0³ ÍAû 6Ë B£8!> 9OE.›0 ?-EA 6 ?^8TA 0³ ÍAû 6Ë B£8!> 6Ë9OE.›E ;=
.yDÄ8TA 0³ ÍAû 6Ë B£0 +dB•(G/Ë8TA .}3Î1^1R ÉD1.›8TA .}3ÎE -À1R? Ê ÍAû 6Ë
B£0 +dAC*Ô3Û 6Ë3^›6ª,A.›0«1R ÍAû 6Ë B£+R@B & & 7 9 6ËD1.›2 0ª6Ë,)9-›P Í
6Ë B£ Í0 +dD1.›1}* D+4^9-1R DCS) ; Aû 6Ë(pA Aû>X(R.EA *Ô@H ÍAû 6Ë0 >X
(R.EA *Ô@H/ 2ö.E)í;x; @H> Í) Aû 6Ë B£0 >X(R.EA *Ô@H>Ö=T.E)í) ; @H> D
4-9%o>é:› ÛD ?±, ;# Í6± Í 6Ë:› ÍDõ 6Ë B£8Q* 9^(_L;ß, ;# D4-›é:›6 8ÑAA
> D14KD92ç9»DëE 4• É(R2 ÊAñ>ÿ.L;ß(R2 D14KE 4*), ;# D4-›é:›Dõ 6Ë B£8Q)ê> ?

;=.>RB>Cÿ-•<1;C1“<Ú+eDEÉ0³ D4->é:›BÙAû110 B›0‘(_0•=f+D9¯,A-x-À0—D > ÍÝ3‰Aû
6ËD" 6Ë9¯110 B›0 6P=b0 ?-@q2 < <)ÁÁû 6ËD" 6Ë9¯(_L;ß0 6P=b0 ?-D'Í.L
;ß-'Dý2 3Í Áû 6ËD" 6Ë9¯(_L;ßDý.E)í; 0';8>Ð@q2 B' D4->é:›BÙ0 +d,A?)ç/&0'
1R? ÍÝ3‰Aû 6Ë B£0)Á:T;12ç0•1™) 1RA +i1R Áû 6Ë B£/. 6Ë B£,÷('0
/_6°; 2ç0•1™) 1RA +i1R0'9P+i1R Áû 6Ë B£8!>/_6°; Aæ?ÄD19 6ËDEÉ0³ Áû 6Ë
B£0 .›0³2ç0•1™) 1R9P+i1R Áû 6Ë B£0 /_6°; 1} * 9 6Ë2ç0••?£1R Áû 6Ë B£0
/_6°; =* .R>øAæ?ÄDEÉ3Ü,Ã6 9-1R Áû 6Ë B£0 9CE.›>FA 3®, 1RCc Áû 6Ë B£8!>/_
6°; >é1™.EE 9-B' Áû 6Ë B£8!>/_6°; 0•;V*•?£>é1™-x9- Áû 6Ë B£8!>)Á:T;1;
0²2ç0••?£9 6Ë9-) & Áû 6Ë B£0 6Ë/Ë>á1l:%o2ç@H0•;V1R, _+i1R Áû 6Ë B£0
/_6°; D+4`?,E 0 , Aæ?Ä8TA 0³)ç/&0'Aû 6Ë B£0 9CE.›D+4`.}3Í?,E 0 , Aæ?Ä8TA 0³)ç
/& D4->é:›Aû 6ËB».ÿ,\(-1ID_.E)í@HB›0 1ID_0 ?-@H; @H> Í 6ËD" 6ËB»/_6°*Ô
@H:m@HB› (0 % \$@H>Ñ D
9 D1> >é:› Í,èD ?±, ;# Í6± Í 6Ë:› Í9 >é:›Dõ 6Ë B£8Q* 9¯(_L;ß,èD ?±,
;# Í÷> /LADB—,P=WDë.l>+Añ>ÿ.L;ß+e, ;#Dý2 3Í D9 >é:›BÙAû 6ËD" 6Ë9¯D1.›/Ë6½
0•=f ÉAû7GB•D 9•1\A8< :p;1+e,AB/Ð6½B•0•=f Ê*‡)Á Áû 6ËD" 6Ë9¯ * R O G S D U N
& K L Q D / L P L W H G ÉD1.›/Ë6½0•=fDô.L;ß Áû,A

, ;# D 4→é:›BÙAû,A-xCŸ-•0 .Z+D9^-À0—D >'Ý3‰Aû 6ËD" 6Ë+D9^-)CŸ)))ÁD[3î Í
Aû 6ËD" 6Ë+D9^-›>RB›0)M<17jB' ÍAû 6ËD" 6Ë+D9^-›AñD9+,,*Ô?@8TA 0Á;#
0 DX>Ð DAû 6Ë B£+D9^-D1.›Dý0 0§; ?Ž0 0)ÁD"1' D4→é:› 6Ë(pA Aû(R2 ; ,x@HB›
É,÷?,, Ê ÍAû D" 6ËB»D1.›9-6 *Ô@HD1=f>%/Ð(i1p@q2 'Á É/ ;; Ê@H>Ñ D
8í;!CŸ>é:› Û,!4C,èD ?±, ;# Í± Í 6Ë:› ÍDõ 6Ë B£8Q* 9^(_L;ß,!4C,èD ?±
, ;# D8í) ; Aû 6Ë8Q9^-•+J*Ô@H0 0§>Ö-'1m;; ÍAû 6Ë B£0'9ì:p/ ; A É0•=f ÊAñ
>ÿ.L;ß) Dõ 6Ë B£8Q9^-Dý)\$ B£Q9^-Üâ6-Ë @A8Q9^-6í04KÙeòp;A@41SC@HB{;›:› IÙU9ò.Í

=-D 3->é:Û,¼C,èD ?±, ;# Í6± Í 6Ë:Û ÍDõ 6Ë B£8Q* 9¯(L;ß,¼C,èD ?±
 , ;# D=->é:ÛDõ 6Ë B£8Q? ? Añ.>RB><1;C1"<Ú+eDÉ0³ D=->é:ÛDõ 6ËD" 6Ë
 BÙ9¯D1.Û9-6 *Ô@H3Û; >Ö1S; C-'1m;; ÍÁû 6ËD" 6Ë B£+D9¯.Û0«5ÔA82 0ª/0E @q2
 B>3 .L;ß@q2 D1?¥@q2 B'0'<)Á D=->é:Û>÷9¯(R2 ?£;!0@3 .L;ß@q2 <<)Á D=->é:ÛBÙ
 Aû:p;1.L;ß+D9¯,A-x-À0—.}3ÍD > ÍÝ3%Dõ 6Ë B£Ë; +D9¯? -¼4K1\< 0':p/ D 9•1\A8
 < :p;1.L;ßD1.Û/ @"; Aî- >RAñ>ÿ.L;ß É.j,p*Û/& Û 0' Ê0Á;# ÍDõ 6Ë B£
 D" 6Ë B£2Ë; +D9¯:p/ D 9•1\A8< :p;1.L;ß:p.E:(UÉ0•=f Êj,pAñ>ÿ.L;ßÉ.j,p*Û/& Û
 Ê,¼C, ;# Í) 6Ë B£2Ë; +D9¯:p/ D 9•1\A8< :p;1.L;ß1'+y É0•=f Ê.j,pAñ>ÿ
 .L;ß É.j,p*Û/& Û Ê,¼C, ;# D=->é:ÛAû 6Ë0 :m>R) 'Á,Ã2ç@q)ê.œ1R D=->é:ÛAû
 6ËB»4j6ß*Ô@H0 3Û; @H;x; @H> D
 C0Á;#
)=Aá-¶>é:Û Û0Á;#0 DX>D Í6± Í 6Ë:Û Í)=>é:Û>÷> /LADB—,P=WDë.l>+Añ>ÿ.L;ß, ;#
 Dý2 3Í0Ç- >ö.}3Í) 5æ+eDý2 3Í D)=>é:ÛDõ 6Ë8Q)ê> D1.Û/0Dë-Ö5*; DAû 6Ë B£0'
 9)/LADB—,P=WDë.l>+Añ>ÿ.L;ß8ÑÍé:ÛAû 6ËD" 6Ë+D9¯D1/Ð<Í1".L;ß+e8TA ,É5*.l
 >+ Í) Aû 6Ë B£D" 6Ë B£+D9¯(R2 2 <Í.L)ð5*; ;#>R< +e ? 6 5*; D)=>é:ÛAû
 6Ë(pA Aû6°2Ë*Ô@H) 0 ,É@H@H; @,H;Aû 6Ë B£0' 6Ë B£B»(R2 *Ô@H0'5 <1+EA"
 3Ž;ÚG4*Ô@H0 .Û0« ,É;x; @H> Í8óAû 6Ë B£B»D17X.Û0«:m@HB>0 -À)D.}3Í9-B'.E:m.}3Í
 ;x; @H> D
 5?"8 >é:Û ÛD .E0Á;# Í6± Í 6Ë:Û Í5?>é:ÛAA> (L;ß0 6P=b0 ?-,÷.L;ß-'Dý2 3Í D
 5?>é:ÛBÙAû 6Ë B£D" 6Ë B£>é/T+D9¯1I0 B>?±Cÿ(D>!†-'DX9¯ C?±Cÿ*††)Á0'-B>
)Á D5?>é:ÛAû 6Ë B£D" 6Ë B£+D9¯T-À?£0•;V)[A 2Ë,Ã9 D1=>;#A Añ>ÿ.L;ßDý2
 3Í ÍDõ 6Ë B£8Q* 9¯(L;ß0Á;# D5?>é:ÛAû 6Ë(pA AûD16°*Ô@H) 0 ?±Cÿ.}3Í>%8 Í

) Aû 6Ë=Y.ž/ ;;2i)íB»D1.SD1@œ+T?,,0 2 0ª@H@H; @H> D

4-)ü>é:› Ū0Á;# Í6± Í 6Ë:› Í4-→é:›Aû 6Ë B£0 1l:%o) 9°2ê> -À0—.E)í; D4-

>é:›Aû 6ËD" 6Ë+D9⁻1l:%o) 2ç0•;ß2ç@q.}3Î*†*†)Å ~~Ø~~-→é:›Aû 6Ë B£D" 6Ë

B£BÙ> (̲.L;ß+{,̲_1•, ;#0 , ;#0"Í.L;3DX9⁻ Í) Aû 6ËD" 6Ë+D9⁻(̲.L;ß/Ø>!0 ?-,÷

.L;ß)Ä>R-'Dý2 3Î D 4-→é:›BÙ.L;ß/Ø>!0 r£ _Ëß)Ä>R*"4-° À½òœCå 6B£JË ' !0 ?-,÷

+cD14KD92çA @ZAñ>ÿ.L;ß, ;# C/_6°D14KD92ç)Ö8æAñ>ÿ.L;ß, ;#)Å DAT>é:›Aû6Ë B£0
D1.›0 ?–.EA 8TA .}3Î?Ž0 ;;B 0 ?–.EA 8TA -À0—D A 2 3Î9–Dë-ÒD ;J DAT>é:›BÙAû 6Ë

0 0\$; D)ç D//>é: Aû 6Ë B£D" 6Ë B£9⁻)'Cÿ) DÁ/_6°;)'Cÿ0Á)MDÉB"ÍA >RA *‡
 -*‡)Á0'Dü/0*‡‡)Á D//>é: Dõ 6Ë B£0'9ì(._L;ßA53• Í>é/TAû 6Ë B£D" 6Ë B£
 0' 6Ë B£D" 6Ë B£+D9⁻(._L;ß)'>RDý0Á/D>é: AAAû 6Ë B£D" 6Ë B£9⁻(._L
 ;ß+{,_1•0Á;#0 0Á;# D//>é: A D +D9⁻,A? 8E< D > D//>é: Aû 6Ë B£D" 6Ë B£9⁻
 /_6°*Ô@H0 0\$@HB>;x; @q2 :>+]; DDõ 6Ë B£D"1' Í//>é: A D +D9⁻/_6°; -À0—0 0\$;
 8!:"> B'0 > B' Í Dõ 6Ë B£8Q9⁻/_6°; Dý0 0\$; ?Ž0 +{9P1•.}3Î> B'0)Ä>R3Î;# Í Dõ
 6Ë B£8Q9⁻/_6°; Dý0 0\$; ?Ž0 :p;1.L;ß,÷0 -'0)Á D//>é: Aû 6Ë0 D1.>E/ ;1>E/ *Ô
 @H-À0—.)3Î9-B'.E:m.}3Î;x; @H> D
 ,&AøQ 7O; Û-À0—Dý)\$ ÍO Í 6Ë: > Í&7O; Aû 6Ë0 1l:%o) ;;B -À0—E)í; D)ç D
 ,&7O; BÙAû 6Ë B£D" 6Ë B£9⁻/_6°+^4G@HB>1S; ÜAû 6Ë B£D" 6Ë B£9⁻1l
 :%o))Á:T1l:%o0 ?-@q2 B>-À0—E)í; ÜAû 6Ë B£D" 6Ë B£9⁻D14K1l:%o0 ?-)[A .L;ß
 :>)[0\$/ì) 2 3Î Ü Aû 6Ë B£D" 6Ë B£9⁻D14K1l:%o0 ?-)[A .L;ß8QD90 ?-,÷.L;ßDý2 3Î
 D[3Î0ÇDü/00\$/ì) 2 3Î ÜAû 6Ë B£D" 6Ë B£9⁻D14KD92ç8QD90 ?-,÷.L;ß-'Dý2 3Î ÜAû
 6Ë B£D" 6Ë B£9⁻D14KD92ç9-4GDëB•)) Á ÜAû 6Ë B£D" 6Ë B£9⁻D14KD9
 2ç+{,_D'BÍ.L;ß-'Dý2 3Î ÜAû 6Ë B£D" 6Ë B£9⁻D14KD92ç0¼-ÒD1?¥DX9⁻ ÍAû 6Ë
 B£D" 6Ë B£9⁻D14KD92ç8TA AËB-)) Áú 6Ë B£D" 6Ë B£9⁻D14KD92ç)÷?Ù-¥
 1™)) Á D,&7O; Aû 6Ë B£0 > 9⁻> D14KD92ç; #)ÁD[3Î Í) Dõ 6Ë B£8Q* 9⁻(._L
 ;ß-À0—Dý)\$ D,&7O; Aû 6Ë0 +dD1.>/ËD1.E@HB> É>÷)ç/ËD12ç0*Ô@H Ê;ï4G0 ?-@H@H; @H
 > D
 =-*)@>é: Û-À0—Dý)\$ Í6± Í 6Ë: > Í=->é: >÷0Ç9⁻/_6°<14GA @ZAn>ÿ.L;ß0'/_6°D1
 4KD92ç1,.Z0ßAn>ÿBÑ9⁻.L;ß; # C/_6°D14KD92ç)Ö8æAn>ÿ.L;ß0Á;#0 DX>Ð D=->é: Aû 6Ë
 B£0 /_6°; 9⁻;#<Ý9°2ê> -À0—E)í; Í) Aû 6Ë)ê ? ;=>RB>Cÿ-•<1;"<Ú+e.E)í0•

;VDÉ0³ D=->é:›BÙAû 6Ë B£D" 6Ë B£9⁻/_6°87N .E)í0 ?-Dý)È-'È)Å Í8E/TAû
6Ë B£D" 6Ë B£9⁻87N 0•=f)Ä>R-'Dý3Î C-'Dý2 3Î0', ;# CDý2 3Î+iD ÍAû 6Ë B£
D" 6Ë B£9⁻(_L;ß+{,_1•, ;#0 , ;# ÍA50'Aû 6Ë B£D" 6Ë B£9⁻(_L;ßDý.E)í
; D=->é:›Aû 6Ë B£D" 6Ë B£AA9⁻D14K? ,á0 ?-Añ>ÿ.L;ß, ;# ÍAû 6Ë B£D"
6Ë BØÇ9⁻D14KD92çDÉAä)Ö.L;ßDý2 3Î D=->é:›BÙ0 ,A?)ç/&0'1R? ÍÝ3%oAû 6Ë0
/_6°; 2ç0•1™) A +i1R ÍAû 6Ë0 8!>)Å:T;1Aæ?ÄD19 6ËDÉ0³ ÍAû 6Ë0 ;;B Y9œ.›DÉ
3ÜB→AäB)(A /Ð>é1™.EE C€ Z)ç/& D=->é:›Aû 6Ë0 D1.›)Å:T;1/_6°*Ô@H0 ?-.E)í@H; @H
> D
?Í>E9œ>é:› Û-À0—Dý)\$ Í6± Í 6Ë:› ?Í>é:›Aû 6Ë)ê> ? ;=.›>RB›Cÿ-•<1;C1"‹Ú
+eDÉ0³ Áû 6Ë)ê> 1l:%o) 9°2ê+e1ID_0 ?-0 ?-DÉA @q2 B'Ŧ›é:›Aû 6Ë B£D"
6Ë B£+D9⁻1I0 B›1ID_8QD90 ?-@q2 < <)ÁÚ 6Ë B£D" 6Ë B£+D9⁻(_L;ß8QD90 D'
BÍ,÷) -'Dý2 3Î CDý2 3Î ÍAû 6Ë B£D" 6Ë B£9⁻(_L;ß+{A C+{,_1•, ;#0 , ;# ÍAû
6Ë B£D" 6Ë B£9⁻(_L;ß-'Dý2 3Î ÍAû 6Ë B£D" 6Ë B£9⁻(_L;ßDý)\$D[3Î Í
Aû 6Ë B£D" 6Ë B£9⁻(_L;ßDý.E)í; 0'@q2 B›B›)Å Ŧ›é:›Aû 6Ë B£D" 6Ë
B£AA> (_L;ß.E0 DX>Ð D?Í>é:›>÷9⁻D1.›.E)í 0 ?-.EA ?Ž0 1ID_8QD90 ?-,÷0 0)Å D?Í>é:›
0 +d,A?)ç/&0'1R? ÍÝ3%oAû 6Ë C 6Ë C 6Ë C 6Ë C 6Ë0' 6Ë C
6Ë C 6Ë,÷(0 ;1 C; 0') 0—2ç0•1™) A C,_ C9P C;â+i1R ÍAû 6Ë0 1N;ö; Aæ?Ä?£)[
8 @q,Ã-x9-E -À1R É1'7D1R Ê ÍAû 6Ë0 /_6°; 0•;V2Ë,Ã>é1™9-B'1R Í?Í>é:›Aû 6Ë0
D1.›D99 ;1D99 1ID_.E)í@HB› É>÷)çD99 *Ô@H Ê1l:%o0 ?-DÉA @H; @H> Í) Aû6Ë B£B»
D1.›>E/ ;1>E/ *Ô@H0 -À0—.}3Î9-B'.E:m.}3Î;x; @H> D
?½@‡6 >é:› Û-'Dý)\$ Í6± Í 6Ë:› Í?½>é:›>÷0Ç9⁻(_L;ß.E)í8QD90 ,÷.L;ßDý2 3Î0'
/_6°D14KD92ç)Ö8æAñ>ÿ.L;ß C/_6°<14GA @ZAñ>ÿ.L;ß, ;# D?½>é:›Aû 6Ë B£)ê> 1l:%o)

>é:~Aû 6Ë B£D" 6Ë B£9⁄_6°87N .E)í0 ?-)È.EA6*‡1,.Z.EA62ç2ç)Á ÍAû 6Ë B£
 D" 6Ë B£9⁄_6°87N .E)í0 ?-)È.EA6*‡-'*‡)Á ÍAû 6Ë B£D" 6Ë B£9⁄87N 0•=f.E
 A6@q2 < <)Á C87N 0•=f8QD90 .L;ß-'2 3Í ÍAû 6Ë B£D" 6Ë B£9⁄87N .j,p.L;ß)Ä>R
 -'Dý2 3Í ÍAû 6Ë B£D" 6Ë B£9⁄87N 0•=fDý2 3ÍD[3Í C-'Dý2 3Í Í) Aû 6Ë B£D"
 6Ë B£9⁄(_L;ß87N ,÷.L;ßDý2 3Í D.š>é:~Aû 6Ë0 D1.)Á:T;1/_6°.,) +^;4*Ô@H0
 ?-D'Í.EA60':%0(YDÉA >%8 Í) Aû 6Ë B£(êD1.)Á:T;1/_6°*Ô@H0 ?-.E)í0'.}3Í2ç@H
 B .E)í+e@q2 :>2í)Í ÍAû 6Ë B£0 D1.)>E/ ;1>E/ *Ô@H-À0—.}3Í9-B'.E:m.}3Í;x; @H> D
 <)^2] ; Û-'Dý)\$ Í6± Í 6Ë:~ Í<) ; Aû 6Ë B£)ê> /_6°; D)ç-¥-Ð.EE 4•
 +]?,E 9°2ê+e1m;; D0'9ì(_L;ß8Ñ Í<) ; BÛ+D9⁄,A? D >R Í'Ý3%0Aû 6Ë B£D" 6Ë
 B£>é/T+D9⁄/_6°; 9-~*Ô)Ä> 0 ,É.E> -'DX9⁄2çB' CDX9⁄2çB' ÍAû 6Ë B£D" 6Ë B£9⁄/_
 6°)'2 @HB>?-,É1m@q;3DX9⁄ Í ° @ À À ³° @Ó ð8ð4 6Ë P Ä0<s ä „)³úÒì2<,Òì ³ Û\$Efs!ÜÐ
 ° @ À À ³° 4B£D" 6Ë K B£9⁄C<s ä lä „) Û"é²œ!ÜÓP OS ° P 0 0 f!° D*4B P 0 0 3!° π*09⁄ '
 J>Dý,ÉRZ&Æ>²¹D ÄÓÁ •;# s9⁄,Cð8ä\ D † f áÁÜÒ)3fít9⁄/_6°; ?-,Í@H@q2 0 0)Á Ì/_6³
 °#š6 ÜÒM'©'ì•;4ž PSát) át)ñÜÔC é2 9• `Ý,Í@H@q2 0)Ä>]3Í22 Ì/_6°; ; <2@q2 0 Ò•0 0')Á:T;:BC
 "3 \$C@œE K •+„ 2ž âÄ +' _ Í ° @ À À ³° 4B£0 /_6°; Áfäe-|ÁÁÁ!.E)í _ Í ° @ À À 6Ë B«

3ĭ1N<̄>é:̄) Ū-'Dý)\$ í6± í 6Ě:̄) í3ĭ>é:̄)Aû 6Ě B£0 1l:%o) ;;B -À0—E)í; D
)ç D3ĭ>é:̄)Aû 6Ě B£D" 6Ě B£9⁻/_6°; 3Å;ĭ<";1-';1)Å É-̄)BÑ2ç0• Ê ÍAû 6Ě B£
 D" 6Ě B£9⁻D14K1l:%o0 ?-)[A .L;ß-'Dý2 3ĭ0'Í.L;3DX9⁻ ÍAû 6Ě B£D" 6Ě B£9⁻
 D14K1l:%o0 ?-)[A .L;ßD'BÍ.L;ß-'Dý2 3ĭ0'>P4p.JAÇ) 2 3ĭ Í Aû 6Ě B£D" 6Ě B£9⁻D1
 4K1l:%o0 ?-)[A .L;ß/Ø>!0 ?-,÷.L;ß-'Dý2 3ĭ ÍAû 6Ě B£D" 6Ě B£9⁻D1(ç; A Añ>ÿ
 .L;ßDý2 3ĭ D3ĭ>é:̄)Aû 6Ě B£D" 6Ě

*Û/& Û Ê,¼C, ;# D/J7O; Aû 6Ë B£B»D1.0#6°;1:^, *Ô@H=()êCÿD/B 2 0# @H,þ
6 +e@q2 :>2ï)í Í) Aû 6Ë BØ D1.)(R2 ;1,5=f2 0#5ÔA8*Ô@H:m@HB>'Á,Ã-À0—.)3Í9-B'
.E:m.)3Í;x; @H> D

//>%1™>é: > Í-'Dý)\$ Í6± Í 6Ë:> D0'9ì(¿.L;ß8Ñ Í//>é:>BÙAû 6Ë B£D" 6Ë
B£9+c.5]6»;Ú5] +c5N-Ò:p/ *Û(Ž'Í;#*‡? ;<0';1)Â2 3Í ÍAû 6Ë B£D" 6Ë B£9->X
5æDô ÉD1.> ÊAñ>ÿ.L;ß)[8 ;1)Â2 3Í É 3 U R G X F W 0 D U N H W L Q J 0 D Q D J H U Ê C9œ9 :
:m>R2 3Í C/0Dë.L;ß-'Dý2 3Í ÍAû 6Ë B£D" 6Ë B£9-2ã*Ð ÉD1.> Ê=WDëAñ>ÿ.L;ßD1
>0'(R@h9 A >R,ÃCZ2 3Í Í) Aû 6Ë B£D" 6Ë B£9-=IAä8)Ö ÉD1.> Ê.L;ß * H Q H U D O
O R W R U V & K L Q D , Q Y / W G V P I A Q W S D Y O Á É 6 W U D W H J L O P Q D U N H W L Q J
//>é:>Aû 6Ë B£0 > 9-> (¿.L;ß;1)ÂDý0Á ÊE/TAû 6Ë B£* 9-(¿.L;ß-'Dý)\$ D/>é:>
Aû 6Ë9ì@B)Á:T;1+{A 7*3130\$/Ï "A^1™9-) &6 +F D/>é:>Aû 6Ë B£0 AÃ.>'•, (E/69Ñ
=€<1*Ô@Heriot-Watt University) .>0«AY?±0'1'9» @q2 ;x; @H> D

)ã? ,è>é: > Í-'Dý)\$ Í6± Í 6Ë:> D)ã>é:>>÷0Ç9-(¿.L;ß0 6P=b0 ?-,÷.L;ßDý2 3Í D
)ã>é:>Aû 6Ë8Q)ê> 1l:%o) 9°2ê+e-À0—.E)í; Dã>é:>BÙAû 6ËD" 6Ë+D9-(¿.L;ß-'
Dý2 3Í ÍÊE/TAû 6ËD" 6Ë B£+D9-(¿.L;ß0 6P=b0 ?-,÷) +e)Ã>R-'Dý2 3Í0-'Dý2
3Í ÍAû 6Ë B£D" 6Ë B£+D9-(¿.L;ß;1)Â)) Á Í) Aû 6Ë B£0 > 9-> (¿.L;ß-'Dý
)\$ D)ã>é:>,÷('Aû 6Ë C 6Ë0' 6Ë0 .>0°2ç0•1™) 1R, +i1R ÍAû 6Ë0 /_6°;
2ç0•1™) >é1™-x9-1R ÍAû 6Ë+{;ã1•0 /_6°; 9 6Ë2ç0•1R D)ã>é:>Aû 6Ë(pA AûD1.>D9
9 ;1D99 1ID_.E)í@HB> É/T)çD99 1ID_*Ô@H Í>÷A2B D99 *Ô@H/0) Ê Í0 1ID_0 ?-@H; @H> D

)ã7•4b>é: > Û-'Dý)\$ Í6± Í 6Ë:> Í)ã>é:>>÷0Ç9-(¿.L;ß0 6P=b0 ?-,÷.L;ß)Ã>R-'Dý
2 3Í C0 6P=b0 ?-.>0«.L;ß-'Dý2 3Í C/_6°D14K.>0«5ÔA8Añ>ÿBÑ9-.L;ß; ;# D0'9ì(¿.L;ß8Ñ Í
)ã>é:>Aû 6Ë B£D" 6Ë B£9/_6°?£/Ë4K.>0«5ÔA8Añ>ÿ.L;ß1™* 2û) 5æ2 3Í C-'Dý2

3Í CDý2 3Í D)ã>é:›Aû 6Ë B£D" 6Ë B£9⁻D14K.›0«5ÔA8Añ›yBÑ9⁻.L;ßDý2 3Í D)ã>é:›

AAAû 6Ë B£0 > 9⁻> (̲.L;ßDý)\$D[3Í Í) Aû 6Ë B£9⁻(̲.L;ß-'Dý)\$ D)ã>é:›Aû

6Ë B£(pA AûD1.›)Á:T;1/̲6°)2 @HB› É>÷B /̲6°*Ô@H/0) É Í0 .›0«5ÔA8@H; @H> D

L\$RMH \$NLQROD 2GXQD\R>é:› Û-'Dý)\$ Í6± Í 6Ë:› D\$MLORUH \$N

0 .)3Î2ç@HB .E)í;x; @H> D

| | | | 2006 12 01 | | |
|--|--|--|---------------|--|--|
| | | | 2011 04 01 | | |
| | | | | | |

| | | | 2009 05 01 | | |
|--|--|--|---------------|--|--|
| | | | 2009 06 01 | | |
| | | | 2009 05 01 | | |
| | | | | | |

(I-Ç8;6» Í, ;#0 ?ž* B 2Ý/,> B'0 A!2>.L;ß 6Ë,)DXA)>RD (√.2 AË6 (≠)ê9

3 Í.L;ß, ;# C0Á;#0'-À.)9-B',÷.}.EE ,x> 0'DXA D BÑ Í, ;# C0Á;#0'-À.)9-B'-»> .EE

A 0%2Ý8!>Ö=TD1:‡0'D (≠+e=)ê9 3 Í•Cv0%?^8!0¼(√DÝ/.)í?Ó Í,5, ;# C0Á;#0'-À.)9-B'

1™?±0%?^8!0¼ Í(I.L;ß, ;#0 :”AJ D

. L; ß, ;#0 -Ú2>. L; ß= TA + e? ž* . }3 ÎD',)0', ;#0 ?ž* B 2Ý/,> B'0 6Ë,)0%?^2

.L;ßA2114C/.; ; '•-»> , D C, * +e?ž* <Æ>Ö Í) A5*¬,5.L;ßB'.E+eA 0%/0%?^1™?±
2Ý8!/.1R3Ù D.L;ßA2114C.LCž C=Y6 +e0%?^8!0¼(‹DÝ/.0...3ÙB•;Y0 D' ÍB'.E+e8 9¯.L2Ë C=Y
6 Í- /0,É5* C,É.‡+e.‡, D.L;ß1l:%Añ=‹:g+eB'.E7•@V<Æ>Ö Í?)ê4l-»> +]; D' C2ï<π1S
;/.B'.EDõ@H? 1,/0+e,A@š/Đ7•@V?¬; Í.yDÃB'.E)ê)Å,ÃCZ D
.L;ß?É)ñ+D+e3ì=l?¼9¬;^> D

.L;ß@p-Ò'•Cv W.L;ß,É X C WD 9•,É X/.D1.▷D 0Á0 Añ.y,É.‡+eA 9 A50' W? -¼:p;1.‡
 BÓ X-ž5 ; ;â W8TA .)D/)Ä.‡;9BÓ X+eBŽBÓ0';9BÓ<Ö>% Í) ,0=◁:g.L;ß,É9-D/3Î1,,Z C.‡,x
 .L;ßB-E Í1B9Œ6»2ùD',) Í.L;ß.j, *Ô0 C, ;#0 C0Á;#0):E .‡,x CB-E Añ?^ Í; ; =◁:g
 +e.)D//.7œ5 *ì; Í(DCp(_L;ß+e)÷?Ù1B2Ö,ÃCZ Í) ,0<Â:ž8TA 0¼D Í> /Å4I9Œ<Æ.j, /..L
 ;ß+e3ÜAG D

(I-Ç8;6» Í> .O.mDÉ? 0 , 9,+d+e)ê.œ Í1™A) <Â-À.L;ßD/3Î;Ï8 Í.L;ß, ;#0 -Ú2>0Á
 .}) 5æ+eA 9 Í,5.L;ßD/3Î C6»6œ?i>ÃD 9 9-/.=f) ?i>Ã; Aä9-.}3ÎD',)+i+eD', C; ; 9
 3 1™?±4I0Í)J/.;B3Î ÍE D .L;ß, ;# C0Á;# C-À0—.)3Î9-B'=◁)ê4I/_6°D 0Á27(•?•+e W*Ó0
 B ,á2ù6»6œ1\A8+~)J>+2NÍX,56»6œ?i>ÃD 9 9-/.=f) ?i>Ã; Aä9-+e0 (_9 3 1™?±4I0 Dý(I
 (Y D.L;ßAû 6Ë B£ 9¶? /_6°D 0Á27:p(I4I W*'B•=X@p,á6»6œ1\A8 X+eDý1,(I-Ç D

1

| | | | | | |
|------|------------|------|--|------------|------------------|
| | | | | | |
| 2011 | 2012 06 29 | 2011 | | 2012 06 30 | 2011 2012 028 |

2

| 2012 | 2012 08 30 | | | 2012 08 31 | 2012 033 2012 |
|------|------------|--|--|------------|---------------------|

1

| | 8 | 3 | 5 | 0 | 0 | |
|--|---|---|---|---|---|---|
| | 8 | 3 | 5 | 0 | 0 | |
| | 8 | 4 | 4 | 0 | 0 | |
| | 8 | 4 | 4 | 0 | 0 | |
| | | | | | | 2 |

2

(Ž W,!4C, ;#:š6 X D

(_.L;ß, ;#0 >ã:‰:"0Š> B'0 C?ž* B 2Ý/,> B'0 C<Â6 > B'0 0'C^55B =WDë2W)@> B'
 0 ;â-xDÉ5æ> B'0 D-ØDÉ5æ> B'0 2ZA2D', 6 9~+e'Ý3‰8E9-B'E)ê CD BÑ9‰>ÿ C2W)@)í?Ó0'
 AJ;#.‡BÓ+iB»6»+e.EE >ÛBÓ D

ÉA Ê ?ž* B 2Ý/,> B'0

C?ž* B 2Ý/,> B'0 +e1h:L0'D 6½

?ž* B 2Ý/,> B'0 +eD BÑ;(->BÑD', .L;ß, ;#0'-À0—.)3Î9-B'+e2Ý/,(<DÝ) ,5.L;ß, ;#
 0'-À0—.)3Î9-B'1™?±2Ý/, Ü->BÑ@q2 " :")J" 5<D " D', .L;ß, ;#" -À0—.)3Î9-B'+e?ž* Cÿ
)@B ,B'™ Í) ? , ;#0 <Â1\? .yAJ'™ Ü->BÑ, *%/.5E; B .L;ß, ;#" -À0—.)3Î9-B'+e?ž* 0
 2Ý/,? .y+e, ;#0 2WAJ+eD ?± Í0 A!2> W.L;ßCc)í X0 , ;#0 +e;;9‰2 @<Æ)ñ'ÍB , ;#" -À0—
 .)3Î9-B'+e?ž* 0 2Ý/,? .y+e.EE /.;#>R D

C?ž* B 2Ý/,> B'0 +e)êB'B ?ž* B 2Ý/,> B'0 0 AJ

?ž* B 2Ý/,> B'0 Aê9p6 > B'E)ê Í8ED1,!4C,èD ?±, ;#,_6 Í,èD ?±, ;#A 6 D?ž*

B 2Ý/,> B'0 +eCz0•9-> ,!4C,èD ?±, ;#4M> Bx>é:› Í> B"Ý3‰=-D 3->é:› C9 D1> >é:› D

Á:")J.L;ß, ;+ C ;#0'-ÂçÓšÄ) E6À

0•?ž* C"” Âíâÿ# “û l²•8ÿˆ -ÒòÁÄ±Ù T Á:")CFÊ.L;ßæ«9‰ %="0çü'=âÿ2¶1Ä@ 0

`±ÄòÄã²3 Ü rçÓ<ãšÄ)(lâ "¶S%r” žÓÿ±Äølâ f™,Ä4 # 0

\$ £ùâ ´ Ä-ÒòÁá)# -Ú #’äÄ½òÄã²3 Ü rçÓ<ãšÄ)"¶RätQ‡•3 A S]DÓúQ “,QÁ:p³±’äÄ½°

0—.)3Î9-B'ž* D, ;#ž* 2 .j, *Ô0 :."AJ=I.ž D

ž* B 2Ý/,> B'0 5à6Ë,5ž* 0'2Ý/,D ?±9 3 1™?±0Í<. Í) D', 6Ë,)ž* 0§/İ DAA=M;

5à6Ë,5.L;ß-À0—.)3Î9-B'1™?±6Ë,)0%o?^2Ý/, Í) -Ú2>0%o?^2Ý/,1,.œ,5-À0—.)3Î9-B'+ež* 1™

?±9~, D

É,_ Ê<Â6 > B'0

C<Â6 > B'0 +e1h:L0'D 6½

<Â6 > B'0 DXA ->BÑ.L;ß, ;#0'-À0—.)3Î9-B'+e@BBÒ(‹DÝ/.)í?Ó ÍA!2>? .y,É5*,É.‡/.

BÒ(‹OÓ Í

?'À AÄSì#aÃá)# "¶S „ýã #-ÒaÃá)# "¶TE„,Ô•

;ß-À0 Dý # BDèòÃ

?'À AÄd ;#0'-À0—.)3Î9-B'+e@BBÒ2ÿOÓ Í

.j"i;ßCc, *Ôûû, *Ô0 :."G•/.)T2'2ÿ Ü"&ÑÅ 0 C ,2îfû •ç²³ ã²³ Þ aÃá æç.ó½ô62ÀÂ-B ÑD•¿²

AF <ÂBØ;™;ï8 ž*Ä3ÇDÝ/.3•?±6Ë"qÝ Sì#²³ Ü rçÓ<ãšÄ)"¶T #aÃá ì#)#)ñ ÚÓ)ñ 0

AJ/İB'0 C<Â1J/İB'0 1h:L0'D 6½

:"0Ş> B'0 DXA ->BÑ2.=f8 /,;^; +e9⁻⁶ C?ž* 0'8 Aä<Ö3 ? , ;#0 <Â.J1IAJ Í0Á, .L
 ;ß+e6») : "0ŞD',)0'8E; ; Ü: "/, .L;ß+e)'>R?!>Ã0'8E7œ5 9 3 Í'Ý3%0Í)J.L;ß+e)'>R(I(Ž
 0'.L;ß6Ë,) (I-Ç0'Cl6 C'ì6Ë,) (I-Ç0'0ÿ,) (I-Ç+e= Cœ?µ/.DÝ9~?µ Í) : "B¥(I(Ž0'(I-Ç< B'
 Añ.y)'>R:(I+eD9*ÔAC0Ü Ü0Í<.L;ß+e)'>R0Á2ù C6») 0Á2ù0' - >ö.}3ÎD',) Í) ,5D9*Ô.y4K
 1A81™?±: "/, D

C:"0Ş> B'0 +ÉB'0:"0Ş> B'0 0 AJ

:"0Ş> B'0 Aê9p6 > B'E +É Í8ED1, !4C, èD ?±, ;#,_6 Í, èD ?±, ;#A 6 D:"0Ş> B'0
 DX9> , !4C, èD ?±, ;#8İ; !Cÿ>é: > Í> B'Ý3%, !4C, èD ?±, ;#4-)ÁQ >é: > C, èD ?±, ;#9 D1
 > >é: > D:"0Ş> B'0 - /0 W? -¼:p; 1.‡BÓ X+{ <Ö+e.‡, D

6Ë Í:"0Ş> B'0 .SCz2Ë; â*0 AJ D< Añ> B'2Z8ø:ž* >Đ4!; â*0 AJ ÍDXA : "AJ4I(_
 .L;ß 6ËA 0%09 3 C 6ËD18; A 0%09 3 D: "/, > B'0 AAA2: "B¥(_L;ß1yD" 6Ë B£
 9¶D 6Ë,) +e2 : "/, 6Ë,) A 0%0 D: "/, > B'0 A20Í)J(_L;ß<) *6^a+e0 0ŞBŽBÓ0'.€3p Í) <-5<
 4I6») 0Á2ù0')>R(I-Ç;#? D

É;â ÊC^55B =WDë2W)@> B'0

CC^55B =WDë2W)@> B'0 +e1h:L0'D 6½

C^55B =WDë2W)@> B'0 DXA ->BÑ,5.L;ß)Á8; ,ÃCZC^55/.D9*Ô=WDë2W)@1™?±@q2) <Â* 11

AJ D

CC^55B =WDë2W)@> B'0 +ÉB'0C^55B =WDë2W)@> B'0 0 AJ

C^55B =WDë2W)@> B'0 Aê9p6 > B'E +É Í8ED1D ?±, ;#A 6 Í, èD ?±, ;#A 6 Í, !4C, è
 D ?±, ;#A 6 DC^55B =WDë2W)@> B'0 DX9> D ?±, ;#CS* ?£>é: > Í> B'Ý3%09 D1> >é: > C
 ==D 3.>é: > D

(I-Ç8;6» ÍC^55B =WDë2W)@> B'0 Cz2ËA *0 AJ Í< Añ> B'2Z8ø:ž* >Đ0 AJ ÍDXA :")J

/ù.[& ,) \$.j9%;#A, D

6Ë Í.L;ß0-?ÙA!2> W8TA 6») 2ùD'0 (_ .‡,x X+i,É5*,É.‡A 9 0'.L;ß6») W.L;ßCc
)í X/.6») .}3ÍD',)+i> D +] ÍA59OE6 ?µ CD9 A ?µ CD'/C?µ C;+AÇ?µ C)ê(_^AG> BŽBÓ Í=I
.ž6») 2ùD'4~)i;B3Í CAæ/Ð Í(‹DÝD', +i.EE Í? 0-* <%o4l W6») 2ùD'.}3Í;7)B ;5?± X C
W6») 2ùD'8!0¼;7)B ;5?± X+i>%0ß Í?)ê4l1p> >Ö=T C.‡,x+e6») 2ùD'<Æ>Ö Í0 (_ ; >÷4l
6») 2ùD'.}3Í+e<Æ>Ö/ÐB .‡,x/Ð Í1™A) 1B9OE)÷?Ù-¥1™- >ö,á,x0 D' C6») 2ùD'<Æ>Ö DB»
6») 2ùD'.‡,x4•+]?,E 4•+]>ã Í:%o4C6»2ù) Í DÉ5æ->BÑ.L;ß+e6»2ù<Æ>Ö;B3ÍB =<:g.EE Í=I
.ž9OE6 ?Ü.,6»2ù;7)B C2ËCZ6Ë,)6») 2ùD'8!0¼C=<:g? .y.}3ÍD',) CB»9OE.L;ß=g1™6») 2ùD'
<Æ>Ö1l:%o+i*Í; .L;ß6») 2ùD'<Æ>Ö+d+^4l)÷?ÙAæ/Ð DB»AêB1,) 2ùD'@q2 D1?¥8!@B* +e
Q 6ËD1.:p;1.L;ß6») 2ùD''8à8TA RD17f6 +{ > DL;ß-Ø,÷.L;ß C2ù.jDô.L;ßÉA5
>ã/0)ç2 AË+FB(Ê C) 5æ,÷(* +~,58TA 9 3 ;M CA >R6½4G8à+eDÉD 9-B'E)ê4l6»2ù8!0¼?,
E 2ËCZ6») 2ùD'8!0¼.EE Ü8 9 4l<ÍD .>0«0 0§; ;#>R< É<1;C86=I/00 Ê,5.L;ßB)>R(I
-Ç? .y+e6») 2ùD'Añ?^?µ1™?±,!4C:"0§ D

.L;ß, ;#0 0'9OE<Æ, ;#(DD (_ (I-Ç6»9¾) *ÇB»9-//?Ê0°0" B¹ C>T+]?)ã;W0 D9*ÔA&5 Í
) ,5(I-Ç6»9¾+eC‡; ?µ CDÝ9~?µ/.=<Cœ?µ)ñ+D-x('0'4M*ÙBÑ9⁻ D
114C1B9OE) Añ?^; ; 6») 2ùD';(.L;ß, ;#0 +eBÑ9⁻ Ü0Á;# 0 ,5, ;#0 114CB ; ; 6») 2ù
D'1™?±0Á, Ü2 3Í)D->BÑE D 4•+].L;ß6») 2ùD'+e9¶)ÄB-?± D

.L;ß+e2ùD'6 (;< Û/03Î(DD 2 AË/0,É/0.‡ CDë)l["9OE C)'>R(I-Ç0'? .y?i>ÃC‡; =Cœ C
 <Â-À2 AË?^5+B ?^ .œ C*01™; >÷,ÃCZC^55 D^6») 2ùD'*ÇB».mAñ27>ÿ?µ Í.k1—6½,5; >÷:p
 ;W6 (<<Â.J/03Î(DD D

Al2>D1/Ë9-6 .S/..)'Cÿ) +i>F) > 4K/0,Ã) +e W8TA 6») 2ùD'0 (_ .‡,x X >ã)ç “0 (_
 .‡,x ") C

.L;βD', 4IW6Ë,) (I-ÇD9*Ô)O*ÎBÑ9-DØ2 D',) X ÍI4C4I6Ë(I?!>Ã7œ5 D9*Ô)O*ÎBÑ9-DØ2
0 D' Í0*Ô4I,56Ë(I?!>Ã7œ5 BÑ9-9-+e>+BÑ4G,) Í1™A) <Â-À6Ë(I?!>Ã7œ5 D+4`/.=Y6 ,) D
6Ë Í.L;β 6Ë6Ë,) (I-Ç> ,Ã>÷AñD9*Ô)O*Î D

| | |
|--|-------------|
| | |
| | 2013 03 28 |
| | |
| | SJ[2013]346 |

SJ[2013]346

“ ”

2012 12 31

2012

1

2

1

| | | |
|--|-----------|-----------|
| | | |
| | | |
| | 23,206.16 | 17,744.51 |
| | | |
| | | |
| | 1.03 | 18.82 |
| | 1,720.81 | 1,138.57 |
| | 18,900.35 | 11,658.07 |
| | 838.31 | 733.25 |
| | | |
| | | |
| | | |
| | | |
| | 1,124.31 | 819.76 |
| | | |
| | 11,732.53 | 9,655.36 |
| | 9,194.52 | 7,088.66 |
| | 311.54 | 158.56 |
| | 67,029.57 | 49,015.55 |
| | | |
| | | |
| | 4.69 | 4.23 |
| | | |
| | 10,467.97 | 12,805.27 |
| | 330.06 | 115.06 |
| | | |
| | 4,569.36 | 4,101.57 |

| | | |
|--|----------|--------|
| | 1,542.49 | 783.86 |
| | | |
| | | |
| | | |

| | | |
|--|-----------|-----------|
| | 5,102.63 | 791.22 |
| | | |
| | 34,765.98 | 26,651.38 |
| | | |
| | 3,869.55 | 5,956.86 |
| | 6,185.27 | 1,092.72 |
| | 1,623.32 | 1,619.55 |
| | 619.24 | 38.93 |
| | | |
| | | |
| | 439.58 | 418.01 |
| | 282.56 | 169.56 |
| | 13,019.52 | 9,295.63 |
| | 47,785.50 | 35,947.01 |
| | | |
| | 7,705.95 | 7,705.95 |
| | 14,604.99 | 14,674.11 |
| | | |
| | | |
| | 2,613.08 | 1,962.76 |
| | | |
| | 15,938.09 | 11,184.85 |
| | -59.97 | -81.22 |

| | | |
|--|-----------|-----------|
| | 8,952.39 | 9,761.96 |
| | 1.03 | 18.82 |
| | 1,240.96 | 676.99 |
| | 22,521.90 | 14,670.85 |
| | 701.37 | 775.51 |
| | | |
| | | |
| | 9,791.57 | 13,461.06 |
| | 8,914.96 | 7,693.01 |
| | 0.00 | 0.00 |
| | 294.81 | 152.44 |
| | 52,418.99 | 47,210.63 |
| | | |
| | 4.69 | 4.23 |
| | | |
| | | |
| | 11,590.68 | 8,682.15 |
| | | |
| | 3,316.53 | 2,914.76 |
| | 1,191.70 | 671.49 |
| | | |
| | | |
| | | |
| | 1,078.21 | 995.49 |
| | | |
| | | |
| | 153.45 | 107.01 |
| | | |
| | 17,335.26 | 13,375.14 |
| | 69,754.25 | 60,585.77 |
| | | |
| | 2,657.16 | 3,801.95 |

| | | |
|--|-----------|-----------|
| | | |
| | 5,640.48 | 4,770.78 |
| | 8,692.79 | 6,429.17 |
| | 776.70 | 885.54 |
| | 453.73 | 631.23 |
| | 2,218.89 | 2,696.20 |
| | 53.63 | 53.63 |
| | | |
| | 4,571.33 | 2,098.36 |
| | 2,043.34 | 293.01 |
| | | |
| | 27,108.06 | 21,659.87 |
| | | |
| | 3,237.18 | 3,059.10 |
| | 0.00 | 1,092.72 |
| | | |
| | | |
| | 0.16 | |
| | 169.84 | 112.15 |
| | 3,407.17 | 4,263.98 |
| | 30,515.23 | 25,923.86 |
| | | |
| | 7,705.95 | 7,705.95 |
| | 14,647.38 | 14,646.99 |
| | | |
| | | |
| | 2,612.08 | 1,961.76 |
| | | |
| | 14,273.61 | 10,347.21 |
| | | |
| | 39,239.02 | 34,661.92 |
| | 69,754.25 | 60,585.77 |

3

| | | |
|--|-----------|-----------|
| | | |
| | 48,071.17 | 46,322.58 |
| | 48,071.17 | 46,322.58 |
| | | |
| | | |
| | | |
| | 39,180.28 | 36,862.91 |
| | 32,545.61 | 31,316.03 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | 260.92 | 263.63 |
| | 3,376.14 | 3,159.74 |
| | 1,935.67 | 1,755.88 |
| | 322.80 | 110.98 |

| | | |
|-----|----------|----------|
| | | |
| “ ” | 8,858.14 | 9,602.47 |
| | 1,329.18 | 1,429.13 |
| “ ” | 7,528.96 | 8,173.34 |
| | | |
| | 7,330.05 | 8,065.64 |
| | 198.92 | 107.70 |
| | -- | -- |
| | 0.95 | 1.05 |
| | 0.95 | 1.05 |
| | 21.07 | -2.80 |
| | 7,550.03 | 8,170.54 |
| | 7,351.70 | 8,050.58 |
| | 198.34 | 119.96 |

4

| | | |
|-----|-----------|-----------|
| | | |
| | 46,567.93 | 42,543.60 |
| | 34,274.91 | 30,111.93 |
| | 191.47 | 200.00 |
| | 3,058.17 | 2,695.87 |
| | 1,608.06 | 1,371.22 |
| | -640.51 | -524.12 |
| | 405.31 | -20.47 |
| “ ” | -17.78 | 18.82 |
| “ ” | 107.87 | 57.97 |
| | 23.41 | 23.65 |

| |
|-----------|
| |
| |
| 45,207.65 |
| |
| |
| |
| |

| | | |
|--|-----------|-----------|
| | 105.86 | 123.39 |
| | 3,211.34 | 1,039.22 |
| | 51,211.24 | 46,370.25 |
| | 36,532.49 | 35,040.43 |
| | | |
| | | |
| | | |
| | | |
| | 3,664.18 | 2,865.62 |
| | 4,845.54 | 3,230.55 |
| | 3,208.74 | 3,140.41 |
| | 48,250.95 | 44,277.02 |
| | 2,960.29 | 2,093.23 |
| | | |
| | | |
| | 6.52 | 0.17 |
| | 66.08 | 33.50 |
| | | |
| | | 49.73 |
| | 72.60 | 83.41 |
| | 1,835.07 | 1,576.56 |
| | 257.11 | 7.42 |
| | | |
| | | |
| | 1,379.88 | |
| | 3,472.06 | 1,583.98 |
| | -3,399.46 | -1,500.57 |
| | | |

| | | |
|--|-----------|-----------|
| | 56.16 | 1,661.04 |
| | 56.16 | 2.00 |
| | 16,355.81 | 9,454.39 |
| | 6,234.61 | |
| | | |
| | 22,646.58 | 11,115.43 |
| | 15,367.90 | 11,846.59 |
| | 2,662.69 | 2,363.09 |
| | 18.83 | 12.22 |
| | 104.07 | 180.69 |
| | 18,134.66 | 14,390.37 |
| | 4,511.92 | -3,274.94 |
| | 9.01 | -73.78 |
| | 4,081.76 | -2,756.06 |
| | 16,002.21 | 18,758.27 |
| | 20,083.97 | 16,002.21 |

6

| | | |
|--|-----------|-----------|
| | | |
| | | |
| | 45,258.09 | 46,030.60 |
| | 43.25 | 94.79 |
| | 7,422.06 | 1,467.14 |
| | 52,723.39 | 47,592.53 |
| | 37,352.56 | 37,933.88 |
| | 2,806.68 | 2,157.48 |
| | 3,547.96 | 2,922.10 |

| | | |
|--|----------|-----------|
| | 8,095.18 | 16,723.64 |
| | | |

| | | | | | | | | | | |
|---|----------|-----------|--|--|----------|--|-----------|--------|--------|-----------|
| | 130.44 | 1,391.41 | | | | | | | -12.37 | 1,509.48 |
| 1 | 130.44 | 1,377.04 | | | | | | | 2.00 | 1,509.48 |
| 2 | | | | | | | | | | |
| 3 | | 14.37 | | | | | | | -14.37 | |
| | | | | | 750.44 | | -2,291.63 | | -12.22 | -1,553.41 |
| 1 | | | | | 750.44 | | -750.44 | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | -1,541.19 | | -12.22 | -1,553.41 |
| 4 | | | | | | | | | | |
| | 1,778.30 | -1,778.30 | | | | | | | | |
| 1 | 1,778.30 | -1,778.30 | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | | | | | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | | | | | | | | 33.71 | 33.71 |
| | 7,705.95 | 14,674.11 | | | 1,962.76 | | 11,184.85 | -81.22 | 188.31 | 35,634.76 |

8

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | |
| | | | | | | | | | |

| | | | | | | | | |
|-----|----------|-----------|-------|--|----------|--|-----------|-----------|
| | 5,797.22 | 15,048.40 | | | 1,211.32 | | 5,134.47 | 27,191.41 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | 5,797.22 | 15,048.40 | | | 1,211.32 | | 5,134.47 | 27,191.41 |
| “ ” | 1,908.73 | -401.41 | | | 750.44 | | 5,212.74 | 7,470.50 |
| | | | | | | | 7,504.37 | 7,504.37 |
| | | | -0.15 | | | | | -0.15 |
| | | | .15 | | | | 7,504.37 | 7,504.22 |
| | | | .04 | | | | | 1,507.48 |
| | | | .04 | | | | | 1,507.48 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | 750.44 | | -2,291.63 | -1,541.19 |
| | | | | | 750.44 | | -750.44 | |
| | | | | | | | | |
| | | | | | | | -1,541.19 | -1,541.19 |
| | | | | | | | | |
| | | | .30 | | | | | |
| | | | .30 | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

D14KD92ç.j,pAñ>ÿ.L;ß ÉA5>ã0Ó)ç Q(_L;ß R0 Q.L;ß RÊ;(2 .)0³2 5Ô> 7>DÝ É.›2 5Ô
8T-¥] ^ /& Ê ÍAê1l:%oo))Å:T1l:%o0 ?-@q2 B› ÉA5>ã0Ó)ç Q1l0 B› R´-¤B› 6Ë
B£ 9¶-Ý6 >)Å:T1l:%o0 ?-@q2 B› Í 6Ë B£ 9¶-¥D'/T ÍÝ6 >)Å:T1l:%o0 ?-@q
2 B›Añ>ÿBÑ9⁻.L;ß Ê

2

) /B /0) +e-Ø, pB» /0) 8Ñ/T) ;=MA ,p0 ? =M +e,A, pE D62ùD'+e Í> ,è=MA 2ùD'>ã+e8T
 A /0) D.[5S, pD ---+e/0))ê(;(> 9,+d(\.[5S, p2ùD'9%, YD ---+eDë)[C, ã: >0) ñ+D+e-> CO
 A50', ã? ±+e9% AG? µD 9•B». [5S9¶+e.LB«0¼D DDë)[+e.LB«0¼D B 8ECl6 0¼D +e) O, O Í0§
 9ì+R8;< AG D.L; ß1LE > /0) ,50¼, ã? ±+e9% AG? µD 9•0 CO>R? µD 9•+e1\A8, òAä Í0§9ì9% AG? µ
 D 9•0 CO>R? µD 9•+e* ; 9~9°1', O D> 1™? ±8TA /0) , ã: >+e8E< -Ø? D 1t, òAä0§9ì+R8;< AG D
 .[5S9¶;(D .[5S, p; 0«9,+d, 5(\.[5S, p2ùD'9%+e9¶]8; D

. [5S, pB». [5S9¶, 5/0))ê(_1™? ±, ÷7... Í9~9°< 9,+d+e(\.[5S, p-Ø? 2ê(±9°Dë)[C-> CO0'
 0 Añ-> CO+e.LB«0¼D D

+R/0))ê(_*ÔAû/0) D19,+d+e(\.[5S, p2ê(±9° 2 Dë)[.LB«0¼D ,p,O; Í8E)O, O9~9°> :m
 B D

/0))ê(_?, Aû/0) D19,+d+e(\.[5S, p2ê(±9°2 Dë)[.LB«0¼D ,p,O; Í8>é, 59,+d+e(\.[
 5S, p-Ø? 2ê(±9°Dë)[C-> CO0'0 Añ-> CO+e.LB«0¼D A50'/0))ê(_+e0§4` 1™? ±-•/, Í2 -•/, /T
 /0))ê(_9µ?, Aû/0) D19,+d+e(\.[5S, p2ê(±9°2 Dë)[.LB«0¼D ,p,O+e Í 8E)O, O0§9ì+R8;< AG D

6

1

/0))>R(I(Ž+e/0) ,x> A52ùD'> 0 *, 9~, Í 'Ý3%(_L; ß0'(_L; ßD 1t0 =l.žDô.L; ß0Å
 1tAÖAñ8E'ì; ^A5:p(Ž2W9%+e(\=WDë+F> ÉAÖŽ6 (_L; ß) 6½; ; 2ùD'+e* =f Ê Í0 (_L
 ; ßAÖAñ8E'ì; ^0 A5>ã+e(Ž2W9%+L6½. \. ; ; 2ùD'e(\=WDë+F> D2ùD'; (D Añ9%2W, A -x.L; ß+e
)>R/.2 AËCÿ)@ Í) 6½2>A5*'-x.L; ß+e2 AË0 , D10 9,3ÜAG D; =2ùD'Dô.L; ß+e2 AË)ê.œ/.)'

>RDÕ3 Aê2ùD'2Ë; 9¶8QD"2ùD'1,;Y9¶D 'Ý/ Aù/0))>R(I(ŽD1 D

,5Aû=I.ž=MA 2ùD'>ã8TA /0) 9,+d+eDô.L;ß Í B»(•D'/0) +R8;)>R(I(Ž; Í;4=M(V0)

Dô.L;ßB»(_L;ßE D62ùD',P,58E2Ë; ; ; 2ùD' ; 6ª9ì(_L;ß/0) ,x> Í) ,5/0))>R(I(Ž+e

8;* ;^A50'8Ñ8;(i1p(I(Ž1™?±? AÇ+~Cœ D(_L;ßB»(•D'/0))>R(I(Ž; ÍDõ(_L;ßE D62ùD'

,P,5(V0) Dô.L;ß2Ë; ; ; 2ùD'; 8Q1L(V0) Dô.L;ß+e-Ø? Dë)[C→COA58ECI6 0¼D) 9ì(_

.L;ß/0) Dë)[→CO(Ž Í(V0) Dô.L;ß+e2 AË)êäË1½õE°

,5Aû=I.ÍŽ=MA 2ùD'>ã8TA /0) 9,+d+eDô.L;Ý

Dô.L;ßDë)[C→CE0'2 AË)êäË1½õE°

(_L;ßDóDô.L;ß+e§!;Ræ"ÀÂ©|â³]Ræ£9' ÍMRë[

Dë)[Í'ÄOO T+b"OÄB ÌA50•B»' æ ;œE2ùD'9ž+e

y 3 >ïMR' İr©yDB,5Dô.L;ß+eæ£9"Õ•DëËY9,+5AË? O D÷

.L;ß1 Dë)[+b"OÄB Ì%§+~Cÿ/0) Dë)[→CO(ŽD3

,5Aõâ³]S9¿O 8Ó

,P+eæ£9ž Í(°

8ECI6 0¼D +b"OÄC ½õ+

+I İ@Á8E? yâ¶ „YÁÄùòó 6

9¶2Ë;)÷?Ù0Ş< +e2 Dë)[+e,b,OD 0Å+e)O,O Í0Ş9ì:F; 2ùD'9%+R8;+e=WDë;6AG DB BŽAñDô.L
;ß.j9%=WDë? .y+e8E< Dü/0;6AG ÍB»:F; 2ùD'9%; DË> +R8;=WDë;6AG D

Dô.L;ß;z;^j, AÇC]+e9%AG/.< AG,÷('B»/0) Dë)[->CO(ŽD1< AñC€9%AG? 6 >ã/. /0) 3Ü
9Ô(ŽD12 3Ü9Ô? 6 >ã+F,!4q; D

9Ë.œDô.L;ß;z;^j, ,÷+D+e+R8;3 <)Í.ž4l;z ;^j, B»-Dô.L;ß8;* < AñC€9%AGD1< ?
Añ+e,b,O+e Í8EB ,O9µ* 0Ö:z;^j, 9%AG D

+RDô.L;ß<)*Aä+e0 0Ş8;0Å0 0 0ŞCÿ)@B (_ß) A D#; Í/0) ; A2'•Cv(_L;ß+e0 0Ş
8;0Å0 0 0ŞCÿ)@,5Dô.L;ß)'>R(I(Ž1™?±(yA +e~Cœ D/0) ; < Añ(_L;ß CDô.L;ßD 0Å+e6»)
1\A80'B ,O Í'Y3%> ; >÷6») 1\A8< AG2ZA2+w? D6») 1\A8,Ã:~+e> ; >÷< ; ÍAñD 2>(Ž6
-D< ; ;(? .yDë)[0ÖD < ; +e ÍBÓ9œ,O9~9°-D< ; D

7

>÷1'4~4` (Ž+e>÷1'D 8TA 3 *Ç>÷1'0'2êA5< ; AäAûD ---+eAY?±*Ç3 D>÷1'+i0¼>PD)÷

8;6Š=f(s0 (s?μ? 6 Í)*AäDë)[->CO(Ž9¶+e0• 2cf'ë"äÄ 5+ Ac™,À›e0•'© ç^a2Ù'4ò^ã›bä1 P DN²•2

1

1'9»Dë)/.1'9»-»COB»(_L;ß)ê> ? .y1'9».E

1p-ÀC€1™?±/T?Ù0§4` D

* :p;WA5=f+e8E< 1'9»->CO Í* ; 9~9°/T)*Aä; 0«3Ü5+,É'•<•B)ê(_0§4` D

3

+R;69,6"? 1'9»Dë)[+e>÷1'4~4`+e/0=M9%03ÜD60 1L< Añ9%0:p0™/V< Añ+e- >ö/.(I* DË

A'; ÍD6D 9~9°-±1'9»Dë)[D

1'9»Dë)[Cœ<ÆDËA'5[E D6D 9~9°<Ö0ß+e Í(_L;ß1L>ã4q4^? 1',O+e)O,00§9ì+R8;< AG Û

Ê< DËA'1'9»Dë)[+eCl6 0¼D D

ÊASDËA',Y;6+^+e,50¼ ÍB BŽD 1t0§9ì< AñC€9%0AG+e.LB«0¼D (... , 3¼0§,OD /. D

4

1'9»->CO+e>÷; AF>R9CE) 0) ,÷A22 1f* +e ÍD6D 9~9°-±1'9»->CO0 8EA) ,÷ D

5

(_L;ß,5*ÇB»0 Bÿ;1)Â+e1'9»Dë)[0 1'9»->CO ÍAä0 Bÿ;1)ÂD1+e(I0¼9~, 8E.LB«0¼D Í

8ó) 2ü* 1L3•*±D\$-±1'9»Dë)[0 1'9»->CO; 2ê 6½,Ã:›+e1\A8,òAä D(_L;ßA2)÷Añ+e1'9»Dë)[

0 6Ã)ñ+D+e1'9»->CO+e(I0¼> >÷?±* 0¼ Ü(_L;ß6Ã.[9]e1'9»Dë)[0 A2)ñ+D+e1'9»->CO+e(I

0¼> >÷?±A 0¼ D

,51'9».E2@) *ÇB»0 Bÿ;1)Â+e Í)*Aä.aD 0•;V9~, 8E.LB«0¼D D<)*Aä+e.aD ,p,É'Ý3%0

) /2Ý;M>Â9 3) DöB™1\A8+e-Ø,pE 1•1™?±+e,1\A8+e)ê1\0¼ C)/Cv; D+:p? =M+e8E< 1'9»

.E2@+e+R8Ñ;1)Â(I0¼ C>÷1'4~4`C|>÷,É/.)*A8;9%0, 0¼6,,?® D(_L;ß, 8;8!.a.aD ,p,É Í)

)C;58EAñ?~?μ D

6

(_.L;ßB»Dë)[->CO(Ž9¶,5A5.LB«0¼D 0§4`8ó&E., 0§9ì+R8;< AG+e1'9»Dë)[A5=f+e1'9»
Dë][+eCl6 0¼D 1™?±0Í)J ÍAñ2î.|D 2>(Ž6 -α 1'9»Dë)[,Ã:~0ÖD +e Í0§<Â0ÖD DÝ(Y DAÇ;63
? 0ÖD +e,þ,É Í)/0Ü(-žDÃ Q;ã C CAÇ;63 ? /ÖCIDÝ(Y+e9~9°(«DÝ/.0§<Â,þ,É R Í8E< 1'
9»Dë)[+e0ÖD ,þ,É9È>ã Û

Ê)÷AñD"+^8;=WDë

)÷AñD"+^8;=WDëB~Aä-x('þ; 8!.a0ÖD < ; D+R)÷AñD"+^8;=WDë+eB...0§> 3•>÷1'É)4`
'Ý3%:q> ,Ã:~+e> 3•?!Aä< ; Ê'•BŽ; 0«3Ü5+ C|>÷+e>÷D +nAû8ECl6 0¼D ; Í-α)÷AñD"+^8;
=WDë+eCl6 0¼D 1L0Ö0"D"-α>÷D Í0Ö0"+e1',09~9°> Dë)[0ÖD < ; Í0§9ì+R8;< AG D

B»)÷AñD"+^8;=WDë9~9°0ÖD < ; /T Í9ÈAñ2î.p 2>(Ž6 -α1'9»Dë)[0¼D A2/÷-• Í8ó2î.|
:þB 9~9°-α< ; /T,Ã:~+e;#? Añ.y ÍBŽ9~9°+e 0ÖD < ; 1LB A5DË/ù Í0§9ì+R8;< AG D-αDË/ù
/T+eCl6 0¼D))Í.ž0°,) 0§<Â0ÖD DÝ(Y9 3 >ã-α1'9»Dë)[B»DË/ù9¶+e<•B)ê(_ D

Ê2ê.J* ;<1'9»Dë)[

2ê.J* ;<1'9»Dë)[B~Aä-x('þ; 8!.a0ÖD < ; D

2ê.J* ;<1'9»Dë)[,Ã:~0ÖD ; Í0•; -α1'9»Dë)][5ÜAñD6D 9~9° ÍBŽD 1t0§9ì< AñC€9%AG
+eAS.LB«0¼D >ã1V?)ê+e3¼0§< ; A 1L*´< AñC€9%AGDË* Í0§9ì+R8;< AG D

,5AûA29~9°0ÖD < ; +e2ê.J* ;<CO>R.E2@ ÍB»/T+e0 0§8;0Å.LB«0¼D A2:p:ž8ó2î.|:þ
B 9~9°BŽ0ÖD < ; 9~9°/T,Ã:~+e;#? Añ.y+e ÍBŽ9~9°+e0ÖD < ; 1LB A5DË/ù Í0§9ì+R8;< AG D
2ê.J* ;<9%AG.E2@=WDë,Ã:~+e0ÖD < ; Í) =l.ž< AGDË/ù D

| | | |
|-----|------|------|
| 3 | | |
| 3 4 | 40% | 40% |
| 4 5 | 70% | 70% |
| 5 | 100% | 100% |
| | | |

| | |
|--|--|
| | |
| | |

3

| | |
|--|--|
| | |
| | |

+e.a0\$;<0¼0Ö9†.a0\$+e? ;<,òAä/.? .y;Ñ,ò/T+e1',O9~, ÜAäAû:~)[,Y)÷Añ+e)%4p*Ç0 Í8E
 2ê(...>÷2 D '•< :~)[+e)]ê8 +e.a0\$;<0¼0Ö9†D"=◁.E; .a0\$1LA ,Ã:~+e)ê(_ C.a0\$+e? ;<,ò
 Aä/.? .y;Ñ,ò/T+e1',O9~, D> D ?±? ;</0=M0 C€3@>R/0=M,Y)÷Añ+e*Ç0 Í8E2ê(...>÷2 D A5
 /0=M0¼-Ö> 0 *,0\$< Ü8TA)÷Añ*Ç0 +e;^4`,AAû? ;</0=M, .[:^4`+e Í)* ,÷+e*Ç0 2ê(...
 >÷2 D A5A 'Ä? ;<0¼-Ö> 0 *,0\$< D

4

7m*ÇD',) ÚAá?Ù7m*ÇD'

*Ç0 ; ?±Aá?Ù7m*ÇD' Í+nD A8/%8 4•Aä;)*AäA *^-DË? ,É1™?±<•? D

5

+nD A8/%8

<•? ,p,É ÚA *^-<•? ,É

'ÝDÑ>P

<•? ,p,É ÚA *^-<•? ,É

12

1

Ê=I.ž8TA /0) ?^ê+e)Å8;.j9‰=WDë,5Aû=MA 2ùD'>ã+e8TA /0) ?^ê+e)Å8;.j9‰=WDë (_L
 ;ß'•Cv/0) 9¶9,+d+e(V0) ,p< AñC€9‰AGCl6 0¼D +e,p,OE >)Å8;.j9‰=WDë+e=WDë)ê(_ D,5
 Aû)Å8;.j9‰=WDë=WDë)ê(_B D —,50¼Cl6 0¼D D 0Á+e)O,O Í+~CœDë(_L0 D1+e.j(_AH0¼ ÜDë
 (_L0 D1+e.j(_AH0¼) E * 0Ö; Í+~Cœ4*Ç;6AG D,5Aû=I.ž,A*-1\A8,÷) ; >÷,è=MA 2ùD'>ã

8TA /0) ?)ê+e,5Dô.L;ß+e)Å8;.j9%o=WDë Í(̄.L;ßA5<)÷(̄.[5S,þ+e.j9%o=WDë+eCl6 0¼D B
.[5S9¶?£Bx=WDë)ê(̄_D /.E > 9CE) =WDë+e=WDë)ê(̄_ Ü.[5S9¶D 8Ñ)÷Añ+e(̄.[5S,þ+e.j9%o:‡0'
8E< Dü/0;6AG+e Í(̄.L;ß0 Aû=WDë*‡D\$; 1LB 8E? .y+e8E< Dü/0;6AGDË9ì+R8;=WDë;6AG D,5
Aû8E< ,è=MA 2ùD'>ã+e8TA /0) ?)ê+e,5Dô.L;ß+e)Å8;.j9%o=WDë Í(̄.L;ß'•Cv.[5S9¶> 9,+d
,5(̄.[5S,þ+e2ùD'9%o,Y—* +eDë)[C,Ã:‡0)ñ+D+e→COA50',Ã?±+e9%oAG?µD 9•+e.LB«0¼D E
>)Å8;.j9%o=WDë+e=WDë)ê(̄_D ÊBE< ,þ; 9,+d+e)Å8;.j9%o=WDë,5Aû,è8TA /0) ?)ê+e,5Dô.L
;ß+e)Å8;.j9%o=WDë ÍB»9~9°; Í,5AûA5D —→÷1'9,+d+e)Å8;.j9%o=WDë Í(̄.L;ß'•Cv; 0«D —
+e.[5S0¼3 E > =WDë)ê(̄_D,5Aû,Ã?±9%oAG?µD 9•9,+d+e)Å8;.j9%o=WDë Í(̄.L;ß'•Cv,Ã?±9%oAG
?µD 9•+e.LB«0¼D E > =WDë)ê(̄_D,5Aû=WDëC€=W9ì+e)Å8;.j9%o=WDë Í(̄.L;ß'•Cv=WDë/0=M0
?ŽAJB•, +e0¼D E > =WDë)ê(̄_D

2

Ê,5Dô.L;ß+e=WDëB»(̄.L;ß-x(')>R(I(ŽD1 Í,5Dô.L;ß+e)Å8;.j9%o=WDë)*Aä)ê(̄,É/,< Í,5

8E Âçã³Ã #ó •3òãD' #ó •3N²žç...ñÃ #ó •0)"½ò¶\=WDi0 Aû= ;ß+e)Å? .y+ ,5Aû,ùMÚBž 0Ke7WvbÃdç
< Í?µD 1)3> ±!ÜÒã³Ã #ó •3òãD' #ó •2žç...ñÁ\$ ' T@,Ûsis ~"¶B¶RœSf²æ£~"ÕtN±ÜÒ...òäÃ±c '@,Ût
9•Aû8E;RäÄ*³ ÄAdQfà³ÕtN²žç...ñÄBÄT ³ÕtN'8 ÕsœÂ¶RœSf²æ£~"ÕtN±ÜÒ...òäÃÕtN²ó ÔÓ 0>)ÅD

(_ Ü,5Aû)Å8;.j9‰=WDë+e=WDë)ê(_ ?,Aû=WDë; AÇ? Añ(\=WDë+F> 2ê(‡9°2 Dë)[.LB«0¼D ,p,O
+e ÍA5/TC€E >)Å8;.j9‰=WDë+e)ê(_ Í)Å8;.j9‰=WDë+e)ê(_ B =WDë)ê(_ +e)O,O0§9Ì+R8;< AG D
; 9,+d,5/0AË8TA /.4KAË8TA =WDë/T•CvAÇ? Añ0 AÇ,÷+D+e(\=WDë+F> ; >÷+e2 < AG+e,p
,O Í9~9°=WDë< AG) +~Cœ)Å8;.j9‰=WDë+eCl6 0¼D Ü'•Cv(\=WDë+F> ?Ü-Ç,÷7j+e3Ü9Ô0 >÷1'
.j3Ü0§< AÇ,÷+d+e) ,÷ Í? AÇ0Ö:z)Å8;.j9‰=WDë+eCl6 0¼D DB»0§< AÇ? Añ0 AÇ,÷+D+e(\=W
Dë+F> ; >÷+e2 < AG+e,p,O; ÍA59,+d=WDë; (\=WDë+F> 2ê(‡9°2 Dë)[.LB«0¼D > 0 *, Í,5
Aû(\=WDë+F> +e0 0§Cÿ)@0 0 0§8;0ÁB (_L;ß) =M+e Í9‰AG,É/,< ; A2'•Cv(_L;ß+e0 0§Cÿ
)@0 0 0§8;0Á,5(\=WDë+F> +e)'>R(I(Ž1™?±(yA +~Cœ D(_L;ß CDô.L;ßB 4KAË8TA 0'/0AË8T
A D 0Á,Ã:›+e6») 1\A8)[:›+e> ; >÷< AG'•Cv)÷.j(i3P0§< .Š;UAû(_L;ß0 Dô.L;ß+e) ,÷ Í
B»9‰AG,É/,< ; B A5+w? D6») 1\A8)[:›+e> ; >÷< ; ÍAñD 2>(Ž6 -¤< ; ;(? .yDë)[0ÖD
< ; +e ÍBÓ9OE,O9~9°-¤< ; D < /0AË8TA 0 4KAË8TA ,Ã:›+e2 3 < Í' (_L;ß0 Dô.L;ß-›Añ
)ñ+D,O=f< ; AF>R=f ÍA5)Å8;.j9‰=WDë+eCl6 0¼D A50'8E< ; D+:p.Z)ê,5/0AË8TA 0 4KAË8T
A 2 =WDë+e)Å8;9‰AG0Ö0"D"4,,> >ÿ D/0AË8TA 0 4KAË8TA A5/T; >÷2 3Ü9Ô+e Í(_L;ß CDô.L
;ßB»;6AG,÷? ,O5÷) > 9~9°+e3 < ,÷+D,O/T Í÷-•9~9°;6AG,÷? ,O D Ê8E<)Å8;.j9‰=WDë8E
<)Å8;.j9‰=WDë ÍD (_L;ß2Z,5(\=WDë8TA 5ÜAñ2ùD' C.S=M2ùD' CD9*ÔAÑ? Í8óB»0 Bÿ;1)Â
D15ÜAñ(I0¼ C.LB«0¼D) 6½2ê2à0§4` +e)Å8;.j9‰=WDë D8E<)Å8;.j9‰=WDë'•)ê(_ ,É1™?±/T?Ü
0§4` D,5(\=WDë+F> ?Ü-Ç,÷7j+e>÷1'.j3Ü0 3Ü9ÔAê(_L;ß CDô.L;ß? Añ+e) ,÷9~9°> =WDë;6
AG ÍL9,+d=WDë; ; 0«D —+e0¼3 0 ,50¼D1'Ý/ +eA2?Ü-Ç+L:q> ,Ã,æ+e>÷1'.j3Ü0 3Ü9Ô* =f D

3

.S=M2ùD'D '•Cv/0=MB• ,5(\=WDë+F> 2 0¤0 , < .SAñ+e2ùD' Í1—B»B 2 0¤0 , ? .y+eD9A
)'>R/.2 AË2W)@?ÉA ,÷? 2ùD'9‰+e=WDë,pA D#=MAC; *ÇB» DB»7q,0,5(\=WDë+F> ;(- *ÇB».S
=M2ùD'; Í=I)Ä2Ý5(>ã;W;#? Ü;(- 9~//A -x=WDë,p2Z) 6½2+F,!2ùD'(\=WDë+F> +e:›)[2 AË

0 , Ü:‡0'(\=WDë+F> 0 (_2 AË0 , +e2W)@;(- ?ÉA -Ø=WDë,‡A D#=MAC Ü9Ë.œ-Ø=WDë,‡=I.ž
/0=M0 ?ŽAJ+e?ˉ; 9ˉ6 8ED1+eA -x=WDë,‡,5(\=WDë+F> +e9¶)Ä0 , 1™?±.}3î ÍBÓ8E;(- (y?ì
B»-Ø=WDë,‡A22 A D#=MAC+e)'>R/.2 AËCÿ)@,x> 6»?±; .}3î9% DD9*ÔAÑ? D ,5(\=WDë+F> +e
)>R/.2 AËCÿ)@Añ)/B 2W)@+e9%4G Í+L)) 6½.½ùD'0 C€B 8E< ,‡A 8Q.S=M2ùD'Cf?ŠCÿ)@+e
D', D.L;ßD 1t0 =I.žDô.L;ß0Á1tAÖAñ(\=WDë+F> A5:‡+L+nAû +e(Ž2W9%.j,‡; ÍA
'Ä9°> ,5(\=WDë+F> 2@AñD9*ÔAÑ? DB»7q,0,5(\=WDë+F> ;(- *ÇB»D9*ÔAÑ? ; Í=I)Ä2Ý5(A5
>ãA D70 ,AD79 ?ˉ Û Ê;(- B»(\=WDë+F> +e, ;#0 0 3Á;ç9%4G0 .ZD17jAñ*Û(Ž Û Ê;(-)/
B (\=WDë+F> +eCÿ)@D', .ž)í Û Ê;(- B (\=WDë+F> D 0Á,Ã:›D9A 1\A8 Û Ê;(- ? (\=WDë
+F> 7j* .}3î9-B' Û Ê;(- ? (\=WDë+F> <Á.J.y0Ý0•;VDë4‡+i D

4

Dë)[->CO(Ž9¶ Í9ÕAS;10¼)÷?Û>ã+™0 (\=WDë+F> 2 AËDÕ3 ,R/Ð+iBŽAS;)Á8;.j9%=WDë*Ç
B»0ÖD 0,,? ; Í-Ú2>)Á8;.j9%=WDë+e.LB«0¼D 0Ö9†*‡D\$,òAä/T+e2 ,OB)Á8;.j9%=WDëB...0§>
3•>÷1'4~4`+e>÷D 4^C€D 0Á1‡-ÀC€9ˉ,)Á8;.j9%=WDë+e2ê/ù;61',O D)Á8;.j9%=WDë+e2ê;6/ù
1',O+nAûCl6 0¼D ; Í1LDë)[+eCl6 0¼D 0Ö0"D"2ê;6/ù1',O Í0Ö0"+e1',O9~9°> Dë)[0ÖD <
; Í0§9ì+R8;< AG Í=M; 0§<Á? AÇ+eDë)[0ÖD DÝ(Y D< 0§<Á+e)Á8;.j9%=WDë0ÖD DÝ(YB»A5/T

14

1

(_.L;ß.m, Dë)[;(D =M; 2@AñA5>ã<1C~ Í0•> :>):m8 C<Â.J3®>R C* E 0 2 AË.}3Î,Y)÷
 Añ+e Í8ó; Aä;:6)Í.ŽA -x0 0§6Ë,) +eAñ?~Dë)[D.m, Dë][!Ý3%o,à>>0'1ID_>P C0 8X:%o(Y C
 B~;E:%o(Y C+^Dô:%o(Y Í'8E9,+d; +e)ê(_E > 9ìCl+e0¼D Í8ED1 Í=f.[+e.m, Dë)]ê(_'Ý3%o
 5S0¼ C1™2û.y;Ñ+i? .y;Ñ,ò ÍA50'> ; .m, Dë)[*Đ+^B..., 2ê; AäDÖ<•8Ñ< ,Ã:~+e2êD 1t.Š;U
 Aû-¤Dë)[+e8E< D * ÜDõ?±1IBÍ.m, Dë)[+e)ê(_ ÍAê1IBÍ-¤? Dë)[*Đ+^B..., 2ê; AäDÖ<•8Ñ<
 ,Ã:~+e(yA D * .Z)ê Ü=WDëC€=W9ì+e.m, Dë)[Í=WDë/0=M0 ?ŽAJB•, +e0¼D E > 9ìCl0¼D Í
 +L/0=M0 ?ŽAJB•, 0¼D) .LB«+e'•.LB«0¼D 9ìCl Ü9»DëE 4•E 9ì+e.m, Dë)[Í'•E 4•2Ë; 9¶
 E 4•Dë)[.LB«0¼D B E +nE 4•—3 ,O>÷D 4^C€D11p+nC€E > 9ìCl0¼D DB .m, Dë)[Añ.y+e/T
 ?ÜD * ÍÝ3%o?¿3ÍD * C-Ý?£-¥BÍD * +i Í-/0.m, Dë)[9~9°<Ö0ß+e Í0§9ì.m, Dë)]ê(_ Í
 ,5Aû(\<Ç/Ü+e) ,÷ ÍD6D 9~9°8ECl6 0¼D Ü) - /0.m, Dë)[9~9°<Ö0ß+e ÍAû,Ã:~; 0§9ì+R8;
 < AG D+R.m, Dë)[(*†D\$ C0 C€B...8;=l.ž; Aä0 *†D\$) 6½):>2 0¤3ÜAG; ÍD6D 9~9°-¤.m,
 Dë)[D.m, Dë)[* ;< CDË9¤ C(l,đ0 /ú< +e*†D\$;69ì2ü* 8ECl6 0¼D /.? .y;Ñ,ò/T+e1',00§
 9ì+R8;< AG D

2

9»DëE 4•E 9ì+e.m, Dë)[Í'•E 4•2Ë; 9¶E 4•Dë)[.LB«0¼D B E +nE 4•—3 ,O>÷D 4^C€D1
 1p+nC€E > 9ìCl0¼D D

3

* A2<ÂE C|2*9µ0-?Û; Aä+e.m, Dë)]/.+F,!0§0¼9ìCl+e=b+y=f Í(_.L;ß,5< Añ.m, Dë

)[0§<ÂC|2* D0§<ÂC|2*;)*Aä8 2Z6Ë>ÿ,É Í -Ú2>Aä=_,÷('0§9ì? .yDë)[+e)ê(_0 +R8;,òAä D
 (_L;BAû5à6Ë6Ë,)D64l Í,5.m, Dë)[+eB...0§; Aä;:6 CB...0§2)1D /.C|2*,P,É1™?±-•/, Í
 9È,Ã:›-¥(... ÍBÓE > 0 0§.a0§(...-Ý*‡3Í D

| | | % | % |
|--|----|----|-------|
| | 35 | 3% | 2.77% |
| | 10 | 3% | 9.7% |
| | | | |

T

15

1

2

B»11.E)íB»*Đ+^B..., 2ê; AäDÕ<•D 9¶8Q ÍÚ2>.E)íB...< CBÍ0¼0 .E)í; 0«)ê(_+i Í•.a0§
+e0¼D 1,DË.m, Dë)[Í*B£8Q2Ë; 0§<ÂC|2* Í*P'Í3Í4I2Ã.E2W< ;7?Ù/TBº,5.m, Dë)[BŽD)O
AME +~Cœ D

3

B»11.E)í0ÖD DÝ(Y Ú5à6Ë6Ë,)D64I Í,5B»11.E)í1™?±90E6 0Í)J Í*ÇB»>ã4q9 3 +e Í0§<ÂB»
11.E)í0ÖD DÝ(Y Í0ÖD DÝ(YA 2 0§<Â Í) B DË/ù D

É Ê)Å8;=D1I) 8óB...0§> 3• 6Ë6») 0 D9?£2Ë.E+eB»11.E)í Ü

É Ê< 1I? 6 >?5<B»?µ6½:p Í/Ú;(B»0•;V:pA22 5E/T Í) 8ó-Ù8TA *Ú3•+e2 0π3ÜAG2@Añ
/=*Ô+e) 9~, ?µ Ü

É Ê8E< E A5D 6 B»11.E)íA22 ,Ã:›0ÖD +e9 ?~ D

16

1

,Ã:›+e2êD 1t.Š;UAû- /0Dë(_/Đ<Ö0ß+eDë)[+e.[1I+e1%3 ,òAä1LB A5Dë(_/Đ) 0§9ì? .y
Dë)[+e)ê(_ D

2

Dë(_/Đ8;0Å;(D *´1%3 ,òAä2Ë; Dë(_/Đ; +,,+^=DD Dë(_/Đ; +,,+e8;0Å Í1%3 ,òAäB¾=DDë
(_/Đ+e8;0Å) 'Ý3%B»6» D+RDë(_D * /.1%3 ,òAäA22 ,Ã:›0'> ; Dë)[*Đ+^B..., 2ê; AäDÕ<•<

(yA +e.[1I0 , A22 2Ë; ; Í1%3 ,òAä2Ë; Dë(_/Ð D+R.[1I- /0Dë(_/Ð<Ö0ß+eDë)]*Ð+^B...,

2ê; AäDÖ<•; Í1%3 ,òAä=DD Dë(_/Ð D

3

,5Aû- /0Dë(_/Ð<Ö0ß+eDë)[B].[1I.ž)íD1,Ä:),èCž)ÄD1,0 C8óD1,0; 0Á4M?Ù)Í.ž -xB£

+e Í(_L;ßB¾=D1%3 ,òAä+eDë(_/Ð D

4

B»Dë(_/Ð8;0Á6» Í9~, 5àA 0 0§8;0Á+e3Ü>ÄDë(_/Ð1',O É'Ý3%0C|0¼0 AH0¼+e<•? É+e,p
,É9È>ã Û

É É5Aû> .[1I- /0Dë(_/Ð<Ö0ß+eDë)[,Y1%9]ì+eDÉ5æ1%3 Á5DÉ5æ1%3 +R8;'•; 0«3Ü5+
0§< +e3Ü>Ä,òAä Í0Ö9†1L:q> , Aä+e1%3 Dë1'*Ç9ìAY?±9,+d+e3Ü>Ä;69ì0 1™?±B¾; ?µ=WDë9,
+d+e=WDë;6AG/T+e1',O9~, D

É É5Aû> .[1I- /0Dë(_/Ð<Ö0ß+eDë)[,YC]Aä+eA 'Ä1%3 ÍL-Ú2>3¼0§Dë)[D *)Í.žDÉ
5æ1%3) ,÷+eDë)[D * +e0'9%8 2Z;^)ìA5< C]AäA 'Ä1%3 +eDë(_/Ð5+ Í0§< 9~, A 'Ä1%3 AÇ
B Dë(_/Ð+e3Ü>Ä1',O DDë(_/Ð5+;(-Ú2>A 'Ä1%3 0'9%8 2Z+e; 0«3Ü5+0§< 9~, D

9~, 1%3 +e; 0«3Ü5+; Í ;(1L1%3 B»B...8;*Ç?Ù8;0Á0 ;+Aä+e-Ý,-8;0Á6»+e> 3•>÷1'4~4` Í
C|>÷> -æ1%3 * ; 9~9°; 9~, +e1',O< ; Aä+e3Ü5+ D

B»Dë(_/Ð8;0Á6» Í=f(sDÉ5æ1%3 (_1'0'8E3Ü>Ä+e0 ,3)O,O ÍB A5Dë(_/Ð Í0§9ì- /0Dë(_
/Ð<Ö0ß+eDë)[+e)ê(_ D,Y* =f(sDÉ5æ1%3 D =f+e8E< =f(s1%3 (_1'0'8E3Ü>Ä<)[:>+e0 ,3)O
,OE >)>R,òAä Í0§9]ì+R8;< AG D

AÇ+R.a0§8E; Aä;:6 Í) '•.‡, B» ; Aä;:6 8;>ÿ6»1™?±<•? D>?,ÉB...0Ü>??-Dë)[> 8TA *Û3•

2 0α3ÜAG8;>ÿ+e Í;4> ; Aä;:6) 9~, +e>??-Dë)[Í) B <•? D

,5; Aä;:6 Añ>ÿ+e>??-Dë)[+eB...0§; Aä;:6 0'<•? ,p,ÉAû5à6Ë6Ë,)D64l1™?±-•/,) E ;+

+R+~Cœ D.L;ß9~, >??-Dë)[; Aä;:6 =l)Ä2Ý5(9È>ãAS;ù Û

ÊB-Àä-αDë)[:])(+e)[8 =l)Ä+e;:6 D=8; C2ê0 +d+e3Á;çDë)[; Aä;:6 +e?i>Ã Ü

Ê0•;V C.EA6+i,p6 +e>÷1x,/9 3 0',5> 3•,ÃCZ9 ;'+e.a0§ Ü

ÊA5-αDë)[:])(+e)[8 0 <Â.J+e- >R+e;1)Â?É9 9 3 Ü

Ê>÷B»0 8ÒB»+e2 CšC€B...8;)*9,+e?±, Ü

Ê > /Â-αDë)[*Û3•2 0α3ÜAG6½4G+eB...8;> /ÂD *A50'.L;ßB...0§D —Añ.yD * +e6½4G Ü

Ê,5-αDë)[2ùD'8;>ÿ+e? .y,É5*.‡, 0 3Á;ç>ÿD' Ü

ÊB .L;ß)÷Añ+e8E< Dë)[; Aä;:6 +e.y4K?μ+i D

3

/0=M0 ?ŽAJD15ÜAñ.‡, +e;=AG6Ë>ÿ0 ;4> ; Aä;:6) 9~, +e>??-Dë)[ÍCf3Á+e>??-Dë)[

Añ Û:m(◁9%o+i ÍCf3Á>??-Dë)[) 1™?±<•? D

4

5à6Ë6Ë,)D64l Í0Í)J-Ø? >??-Dë)[B...0§-Û8TA *Û3•> 3•2 0α3ÜAG+e6½4G Í,5B...0§2ê;6/ù

1',O+nAû8ECI6 0¼D +e Í0§<Â>??-Dë)[0ÖD DÝ(Y ÍÖD DÝ(YA 2 0§<Â ÍB»)÷Añ8;0Á) B DË/ù D

5

(_.L;ß6») @q2 2Ë,Ã? 6 D * -Ú2>8E?μD+A50'@q,Ã0 , E D6?)ê>??-Dë)[;(- 2@Añ1p*Ô

) 9̄, ?μ Í, ÷ > @q2 1x,/D * /.2Ě, Ā1x,/D * D

Dō?±@q2 2Ě, Ā+e>??-Dë)[Í8E @q2 1x,/ +eD * ÍAû, Ā:; 0§9ì+R8;< AG Ü8E2Ě, Ā1x,/ +e

D * Í=M; 5[E >ã4q<Ö0ß+e Í9̄9°> >??-Dë)[Û

É Ê=⟨)ê-α>??-Dë)[A5; 8E6½. \; Aä0 * ;<B»0•; V:p2@Añ2ê?±?μ Û

É Ê2@Añ=⟨)ê-α>??-Dë)[] ; Aä0 * ;<+eAC=] Û

É ÊB-Aä-α>??-Dë)[:⟩][+e)[8 * ÇB»; 1)Â0 >??-Dë)[Dō:Ž*ÇB»; 1)Â Û

É ÊAñE .\ +e0•; V C)'>RDëB•/.8E< DëB•D)÷ ÍA5=⟨)ê-α>??-Dë)[+e2Ě, Ā Í) Añ6½4G;

Aä0 * ;<-α>??-Dë)[Û

É Ê.Š; UAû-α>??-Dë)[2Ě, Ā1x,/ +eD * 6½. \2ê2à+y0§4` D

) 5[E :p; W<Ö0ß+e2Ě, Ā1x,/ +eD * ÍAû, Ā:; 0§9ì+R8;< AG D8Ñ8; A20§9ì< AG+e2Ě, ĀD

*) B»A5/T8; 0Á9̄9°> Dë)[DA2Dë(/ ð+e2Ě, Ā1x,/ +eD * B»Dë)[->CO(Ž:p4q; > 2Ě, ĀD * Í

Dō-α? 6 * ð+^B..., 2ê; AäDÖ<•D 9¶8QDĚ> >??-Dë)[D

18

(_.L; ß)Á8; *þ<•, òAä; (D A22 D * Í+LAÇAê+R8; 0'A5/T-Ø8;)ñ+D+e<•? 8; >ÿB» 6ĚA5:p

É) / 6Ě Ê+e-Ø? D * ÍB»; =AG8; 6»8 2Z<•? D9Ě.œ)Á8; *þ<•, òAä? 6) 6½; A5/T0 0§8;

0Á; =AG ÍBÓ1L:q> <•? +e-α? 6 +e<•B 0¼D 9œ) DĚ9ì+R8;< AG D

19

1

(_.L; ß9Ě, Ā: >B 0 Añ; #? ? .y+eAF>R) =M; - /0A5>ã<Ö0ß; ÍDë)[->CO(ŽD1, ŌAÔ> B...0§

->CO Û

É Ê-αAF>R;((_.L;β)ñ+D+e>÷; AF>R Ü

É Ê-αAF>R+e5%?±/=2ê6½+]D#2 0α3ÜAG4~* 8TA Ü

É Ê-αAF>R+e1',O6½.\2ê2à+y0§4` D

2

B...0§->CO'•Cv5%?±? .y>÷; AF>R< ?ÉD * +eE 0².a0§;^1™?±* ; 0§4` Í) Dü/02Ý5(B 0
Añ;#? Añ.y+e- >ö C) 9~, ?µ/.0 (s; 0Å0¼D +iAS;ù D0 (s; 0Å0¼D AÑ? D9*Ô+e Í=I.ž,5?
.y> 3•>÷1'4~* 1™?±C|>÷/T9~, E 0².a0§;^ D5à-xDè)[->CO(Ž9¶,5B...0§->CO+eCl6 0¼D 1™?±
-/, Í9ÈAñ-¥(...BÓ,5Cl6 0¼D 1™?±+~CœA5,ÕAÔ+R8ÑE 0².a0§;^ D

20

1

(_.L;βB»A21L:m8 < Añ9%o:p+eDXA - >ö/(I* DÈA'-Ù.[0 ,p C(_.L;β0©5ÜAñ(D4•=I)ÄB
< Añ9%o? 4K>Ö+e0-?Ù.)3Î9%o CA 5ÜAñ,5A2;<* +e:m8 ; ; Añ?^2ùD' C;69Ì+e1',O6½.\2ê2à+y
0§4` C? .y+e2 0α3ÜAG/=2ê6½4~9Ì8TA C? .y+eA2,Ã:›0 1L,Ã:›+e)ê(_6½.\2ê2à+y0§4`; Í
9~9°? ;<:m8 ;69Ì+e; >÷ D

2

B»E 4•8;6»+e-Ø-x8;0Å'•D ? ,É9~9°> ;69Ì D

3

(_.L;βB»3©>RDý;69Ì/.Dý)ê(_6½.\2ê2à+y0§4` CB 3©>R? .y+e2 0α3ÜAG/=2ê6½4~9Ì(_.L
;β C3©>R+e=)ê1™,)6½.\2ê2à+y9~, ; Í9~9°3©>R;69Ì+e; >÷ D

4

B»Dë)[->CO(Ž9¶ Í-Ú2>=◁.E⁰,÷(i,É9~9°/0=M;69)/.0=M,òAä D/0=M=◁.E1™,)A53¼0§;
0«,Ã:›+e/0=M)ê(_C]/0=MB...0§Dý)ê(_+e(i3p9~, Í•Cv/0=MDý;69ì)ìA5=◁.E1™,)2ü* A58Ñ0

0§8;0Å3¼0§A29~9½,òAì/T+e1'&[â9~9°à›%'80/0=M,òAä @

9È.œA29~9°+eCÿ-•) D[?ÉA ,Ö/Ú+e ĩÇB»? .y+~@t;6AG+e ĩ 0Ö? .y+~@t;6AGCl6 B ,O Í
)Í*) ,÷0§9ì+R8;< AG Ü) *ÇB»? .y+~@t;6AG+e ÍD 1t0§9ì+R8;< AG D

22

1

+~@t< +d;ÑDë)[-Ú2>2ê+w2üB¾; ?µ)OAM9̃, DB¾; ?µ)OAM;(D Dë)[0 ->CO+eCl6 0¼D B
 8E0§;Ñ0 *,D 0Å+e)O,O Í'Ý3%o6½. \1,DËA5/T6Ë,) +e2ê+w2ü3 < /.;Ñ3 +w0Ö D+~@t< +d;ÑDë)[
 +e9~9°A5/=2ê6½9,+dAä3•+w2ü2ê+w2üB¾; ?µ)OAM+eAÇ6ª;Ñ< +d,O> >ÿ DDë)[->CO(Ž9¶ Í(̄.L
 ;ß,5+~@t< +d;ÑDë)[+eCl6 0¼D 1™?±-•/, D9È.œ> 3•8;0Å/=2ê6½>?,É0 +dE .\+eAÇ6ª;Ñ< +d
 ,OAäA5+w2ü+~@t< +d;ÑDë)[+e3ÜAG ÍBÓ0Ö0"+~@t< +d;ÑDë)[+eCl6 0¼D DB»/=2ê6½0 +dE .\
 +eAÇ6ª;Ñ< +d,O; Í0Ö0"+e1',OB A5DË/ù D

2

+~@t< +d;Ñ->CO-Ú2>AÇ6ª;ÑB¾; ?µ)OAM9̃, DB¾; ?µ)OAM;(D Dë)[0 ->CO+eCl6 0¼D B
 8E0§;Ñ0 *,D 0Å+e)O,O D

23

1

(̄.L;ß2 AËE 4•>ã; Aä+eDë)[Í-Ú2>D —+eE 4•3 B E 4•8;6»< / -"+e0 0§8;0Å8 2Z<•

? D

2

+R(̄.L;ß? 2î/Ë<Â.J)[8 9»DëE 4•; Í1LE 4•2Ë; 9¶E +nE 4•63 ,OB * ; D 1t,òAäD
 /E > AÇ;69»DëE 4•3 +e9ìCl0¼D É(̄.L;ß9»DëE 4•<Ö3 ,59»DëE 4•E * Dë)l) <Â.J+D(D Ê Ü

1LE +nE 4•;63 ,O C* ; D 1t,òAäD /.B 8E>÷D D /.+e)O,O9~9°> > ; >÷9»Dë;6AG DAÇ;69»
 DëE 4•3 2ü* > ; >÷9»Dë;6AG/T+eB ,O,÷('Aû)Å8;CO9‰/.A 6Ë6»+^8;+e)Å8;CO9‰4q; D
 > ; >÷9»Dë;6AGB»E 4•8;6»)•Aä; 0«3Û5+,É0§< 9~9°+R8;+e9»Dë;69Ì D0 AñE 1'Aû; 0«
 ,Ã:); 0§9Ì+R8;< AG D

24

1

< +d;Ñ+e0 0§/,<)•AäDë)[->CO(ŽCO>R,É D< +d;Ñ,òAä'Ý3‰+R8;< +d;Ñ/.+~@t< +d;Ñ D
 * 1LD 1t0§9Ì< AñC€9‰AG+e1\A8/./;#? ? .y+e+R8;< +d;Ñ/.+~@t< +d;Ñ0§9Ì< AñC€9‰AG ÍA5
 0'8TA /0))[:>+e+~@t< +d;Ñ+~Cœ:mB +eCl6 0¼D =f Í8EB +e+R8;< +d;Ñ/.+~@t< +d;Ñ,òAä
 0 ;6AG0§9Ì+R8;< AG D

+R8;< +d;Ñ;(D 8TA '•Cv;Ñ>R.‡, 0§< 9~, +eCCE,5+R8;.,Ã:›+e1\A8/./;#? ÍAÇ1j6ª-Ù;Ñ
 >R) 5æ+e1',O Í0•AÇ1\< +d;Ñ Ü+~@t< +d;Ñ;(D '•CvDë)[->CO(ŽCO>R,ÉAÇB 9~9°+e+~@t< +d
 ;ÑDë)/. +~@t< +d;Ñ->COB»8;6ŠAÇAñ+e1',O? ,5AûBŽA29~9°1',OD 0Å+e)O,O D

2

.j,p.L;ß'•Cv.Š;UAû86=l.j.j, +e+R8;2 3Û9Ô Í* A5,Ã?±B»=f86=l.j+e0'9‰8 2Z;^0§<
 0 (_5à.j;6AG D

,Ã?±B»=f86=l.j0'9‰8 2Z;^ b8;* .j,pDý;^ Ì(I-Ç8;AS.L0 1'DËBx.j(_0 .j8 .j3Û,÷7...
 +iBx0'.j,p;^ +R8;?£,Ã?±86=l.j.j;^0 CODË.j.j;^ bA2,Ã?±; 0Å c(I-Ç8;; 0Å Î+R8;/ù.[
 86=l.j.j;^ bA2/ù.[]; 0Å c(I-Ç8;; 0Å Î(I-Ç8;< .j;^ D

.L;ß*ÇB»>Â;. ?µ8ÒB»86=l.j; Í,÷('~Cœ.Š;UAû86=l.j.j, +e+R8;2 3Û9Ô/.,Ã?±B»=f86
 =l.j+e0'9‰8 2Z;^ Í) 2>A50§< >Â;.5à.j;6AG D0§< >Â;.5à.j;6AG; Í+R8;.,Ã?±B»=f86=l.j

+e0'9%08 2Z;^> 0§< 0 (_5à.j;6AG; 86=l.j+e0'9%08 2Z;^B 0°, >Â;. ?μ8ÒB»86=l.jDË/Û> A2
 ,Ã?±86=l.j,YBx0'+e86=l.j.j;^+e0'9%08 2Z;^D /. D0§< >Â;. ?μ8ÒB»86=l.jDË/Û> A2,Ã?±86
 =l.j,YBx0'+e86=l.j.j;^+e0'9%08 2Z;^; ÍA58Ñ8;0Á,Ã?±+e>Â;. ?μ8ÒB»86=l.j Í0°:%0B»+R8;
 8;* DË/Û Û+R8;,Ã?±+e>Â;. ?μ8ÒB»86=l.j Í0°:%0B» ,Ã?±9¶DË/Û D

3

-Ú2> W.L;ß,É X/(_L;ßCc)í+e.‡, Í•A5>ã;Ô?Ó0'(i3p1™?±,÷7... Ú5÷) A58Ñ6Ë,)3 < Û
 <Â9, +e,É, ADB .L0 1' Û•+R6Ë.j, *Ô0 2WAJ<Â9,9^-ACAÐB .L0 1' Û,÷7...86=l.j.j3Û D

1

| | | |
|--|--|---------------------|
| | | |
| | | 17% 20% |
| | | |
| | | 3% 5% |
| | | 5% 7% |
| | | 15% 16.5% 25% 31.4% |
| | | 3% 5% |

2

É Ê< +d;Ñ

(_L;ßAû 6Ë B£ 9¶0 9,/Û,Ã/T+e-À?£0•;V8TA D ;J Í*' 6Ë B£ 9¶D"

6Ë B£ 9¶8;0Á? ;=-À?£0•;V8TA 8TA < +d;ÑAæ/p;Ñ5+ D

Dô.L;ß/_6°<14GA @ZAn>ÿ.L;ß C/_6°D14KD92çDÉ)ÖAñsÿB;Ñ C)Ä+cD14KD92çA @ZAn

>ÿ.L;ßAû 6Ë B£ 9¶0 9,/Û,Ã/T+e-À?£0•;V8TA D ;J Í*' 6Ë B£ 9¶D"

6Ë B£ 9¶8;0Å? ;=-À?£0•;V8TA 8TA < +d;ÑAæ/p;Ñ5+ D

Dô.L;ß/_6°D14KD92ç)Ö8æAñ>ÿ.L;ßAû 6Ë B£ 9¶0 9,-À?£0•;V8TA Dë-ÒD ;J Í

*´ 6Ë B£ 9¶D" 6Ë B£ 9¶8;0Å? ;=-À?£0•;V8TA 8TA < +d;ÑAæ/p;Ñ5+ D

Dô.L;ß/_6°D14KD92ç5%*Ù8QD90 Añ>ÿ.L;ß C)Å:TD14K? ,á0 ?-Añ>ÿ.L;ßAû 6Ë B£

9¶9,+d-À?£0•;V8TA D ;J Í´ 6Ë B£ 9¶D" 6Ë B£ 9¶8;0Å? ;=-À?£0•;V

8TA 8TA < +d;ÑAæ/p;Ñ5+ D

Dô.L;ßD14KD92ç>P4p;E;î:%o(YAñ>ÿ.L;ßAû 6Ë B£ 9¶0 +d-À?£0•;V8TA D ;J Í´

6Ë B£ 9¶D" 6Ë B£ 9¶8;0Å? ;=-À?£0•;V8TA 8TA < +d;ÑAæ/p;Ñ5+ D

?£0•;V8TA Dë-ÒD ;J+^8;/T ÍA2D9?£'Í3Í-À?£ 0•;V8TA Dë-ÒD ;J Í/_6°; -À?£0•;V9°, .}3Í

4•+]?,E 'Í.L;ßAû 6Ë B£ 9¶A5? -À8T'ÍD÷ É Ê /& W.yAû.L; /_6°;

6Ë6Ã=I.ž-•:"-À?£0•;V8TA +e=ID X,5=f.L; D

/_6°>Ä,É.E)í0 ?-Añ>ÿ.L;ßAû 6Ë B£ 9¶0 9,-À?£0•;V8TA Dë-ÒD ;J Í´

6Ë B£ 9¶D" 6Ë B£ 9¶8;0Å? ;=-À?£0•;V8TA 8TA < +d;ÑAæ/p;Ñ5+ D

(_.L;ßAC*Ô3Ü+e8E< Dô.L;ß+e< +d;Ñ;Ñ5+B» D" D 0Å D

(_.L;ß6^a9\0) ,x> +e? -¼Dô.L;ß< +d;Ñ;Ñ5+> D

.L;ß8E< Dô.L;ß< +d;Ñ;Ñ5+> D

É ÊAËA ;Ñ

(_.L;ßDô.L;ß/_6°D1OX--8 D'BÍ.E)íAñ>ÿ.L;ß;U1ID_?±A {+Aä +eAËA ;Ñ5+ (_.L;ß

E 4•?±A +eDô.L;ßD14KD92ç9»DëE 4• É(R2 Añ>ÿ.L;ß CD14KD92ç9»DëE 4• ÉD1. > ÊAñ>ÿ.L

;ß'•Cv. >0³;Ñ>RDý27'Å) +e);Ñ É Ê /&.‡, Í,÷('Dö 6Ë B£ 9¶ Í 6Ë

B£ 9¶8Q)*9, QAË-¥B× RCŸ)@ D

);Ñ É Ê /&>%D1+e; ; 'Í,É.‡, Í<Â.JAñ?-,)|E 4•- >R Í;Ñ5+> D,5Aû

3 6Ë,)E 4•+e9 3 Í;5+,,6ª;Ñ9-B»;; QAË-¥B× R?£CŸ)@8Ñ8Ë, +e:q> D ?±=(p+eE 4•/0=M Í

B»/0=M+^8;9¶D 8Ñ0-?Ù'•Cv>÷?±AËA ;ÑCŸ)@.‡, 1j6ªAËA ;Ñ D

2 9-6 AY?± CAY0Á0 C:m>R) 7>DÝ2 AË9»DëE 4•A >R+e6;Ñ9-D1+eA 'Ä6ª;Ñ9- \hat{A} .J

Añ?-,)|9»DëE 4•- >R Í,58EB×D ;Ñ; 0«;Ñ- \rightarrow)Í.ž +e) ,÷; ?±B×D ;Ñ0•C~0•=ICŸ)@ D

É ÊB×D ;Ñ

(_L;ß* & ,) \$.L;ß;+Aä+eB×D ;Ñ5+> =f Í8E< /0) ,x> 6»+F> ;+Aä+eB×D ;Ñ5+2Z

> D

C8E< ;Ö6

É Ê(_L;ß* 2û)[8 B×D ;Ñ; ?± Q6 C+w C=I RCŸ)@ D

É Ê(_L;ßDö 6Ë B£ 9¶8QD ?±WD1/Ë9-6 .S/..>B×D ;ÑB¾?±<Ö3p; ; >ÙBÓ X-


/0.‡, +e.m, Dë)[B×D ;Ñ1™? 2ê1™?±+w2ü D

1

1

| | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|-----|-----|--|--|--|--|
| | | | | | | | | | (%) | (%) | | | | |
|--|--|--|--|--|--|--|--|--|-----|-----|--|--|--|--|

| | | | | | | |
|--|--|-----|--|--|--|--|
| | | 294 | | | | |
|--|--|-----|--|--|--|--|

| | | | | | | | | | | | | |
|---|---|---------|---|--|--|--|---|------|--|--|--|--|
| Overseas Investment Management (H.K.) Co. Limited | Pacific Place 1 Queen's Road East Hong Kong | | | | | | | | | | | |
| Zoomlion International Trading (H.K.) Co. Limited | Hong Kong | 400 | î | | | | 100% | 100% | | | | |
| Zoomlion Capital (H.K.) Co., Limited | Hong Kong | 220,000 | | | | |  | 100% | | | | |

| | | | | | | | | | | | | | |
|--|--|--|--|------|--|--|--|--------|--------|--|-------|--|--|
| | | | | | | | | | | | | | |
| | | | | 5000 | | | | 100% | 100% | | | | |
| | | | | 500 | | | | 60% | 60% | | -2.12 | | |
| | | | | 3000 | | | | 70% | 70% | | 8.99 | | |
| | | | | 8000 | | | | 93.75% | 93.75% | | 0.98 | | |

| | | | | | | | | | | | | | |
|---------------------------|--|--|--|--------------|--|--|--|--------|--------|--|-------|--|--|
| Forme Acciaio S.p.A | | | | | | | | | | | | | |
| | | | | 2,163.2 3 | | | | 83.13% | 83.13% | | 38.81 | | |
| | | | | 4,492.7 1 | | | | 65% | 65% | | 51.97 | | |

2

5

5

3

| | | |
|--|----------|--------|
| | | |
| | 2,200.74 | 100.74 |
| | 15.72 | |
| | 33.55 | 3.55 |
| | 16.68 | 0.57 |
| | 29.98 | |

| | | | | | |
|---|----|----|------|----|--|
| : | -- | -- | 1.94 | -- | |
|---|----|----|------|----|--|

| | | |
|---|------------|--------|
| 1 | 546,164.56 | 30.78% |
| | 10 | |

| | | | | |
|--|------------|------------|-------|----|
| | 2012 08 15 | 2013 02 15 | 10 | |
| | 2012 07 18 | 2013 01 18 | 10 | |
| | -- | -- | 54.57 | -- |

3

| | | | | |
|--|------------|------------|-----|--|
| | | | | |
| | 2012 07 05 | 2013 01 05 | 5.5 | |
| | 2012 07 10 | 2013 01 09 | 5 | |
| | 2012 07 13 | 2013 01 13 | 4 | |
| | 2012 07 06 | 2013 01 06 | 3 | |

| | | | | |
|--|--------|--------|----|----|
| | 621.33 | 340.41 | -- | -- |
|--|--------|--------|----|----|

2

| | | | | |
|---|----|------|----|----|
| | | | | |
| A | | 2.05 | | |
| B | | 0.59 | | |
| C | | 1.1 | | |
| D | | 0.31 | | |
| E | | 0.24 | | |
| H | | 0.3 | | |
| I | | 0.25 | | |
| | | 3.08 | | |
| | -- | 7.92 | -- | -- |

3

| | | | | |
|---|----|--------|-----|-------|
| | | | | (%) |
| A | | 213.81 | 1 | 1.08% |
| B | | 129.51 | 1 | 0.66% |
| C | | 101.08 | 1-2 | 0.51% |
| D | | 98.09 | 1 | 0.5% |
| E | | 93.34 | 1 | 0.47% |
| | -- | 635.83 | -- | 3.22% |

4

| | | | |
|--|--|-------|-------|
| | | | (%) |
| | | 98.1 | 0.5% |
| | | 3.56 | 0.02% |
| | | 44.32 | 0.22% |

| | | | |
|--|--|-------|-------|
| | | | |
| | | 66.83 | 0.34% |
| | | 31.96 | 0.16% |
| | | 14.27 | 0.07% |
| | | 83.11 | 0.42% |
| | | 22.38 | 0.11% |

| | | | | |
|--|--------|----|--------|----|
| | 838.31 | -- | 733.25 | -- |
|--|--------|----|--------|----|

2

| | | | |
|---|----|--------|----|
| | | | |
| A | | 61.16 | |
| B | | 26.3 | |
| C | | 22.6 | |
| D | | 18.52 | |
| E | | 18.18 | |
| | -- | 146.75 | -- |

7

1

| | | |
|--|--|--|
| | | |
| | | |

| | | | | | |
|--|-------|-------|-------|------|--------|
| | | | | | |
| | | | | | |
| | 149.8 | 241.7 | 54.77 | 2.74 | 333.99 |

3

| | | | % |
|--|--|--|-------|
| | | | 0.19% |
| | | | 0.7% |
| | | | 0.61% |
| | | | |
| | | | |
| | | | |

8

1

| | 10,217.68 | 8,161.81 |
|--|-----------|----------|
| | 881.4 | 1,023.74 |
| | 142.56 | 50.21 |
| | 0.8 | 0.8 |
| | 9,194.52 | 7,088.66 |

2

88,140.51

1,021,768.02

210,585.90

29.71%

3

9

| | | |
|-----------|--------|--------|
| | | |
| | 70.03 | 158.56 |
| | 230.69 | |
| | 10.83 | |
| | 311.54 | 158.56 |
| 15,298.36 | 96.49% | |

10**1**

| | | |
|------------|---------|--------|
| | | |
| | | |
| | 4.69 | 4.23 |
| | | |
| | 4.69 | 4.23 |
| | 847,348 | 55,716 |
| 2012 12 31 | 4.94 | 9.10 |
| | | 469.29 |

11

| | | |
|--|-----------|-----------|
| | | |
| | 10,457.97 | 12,779.95 |
| | 666.14 | 1,102.27 |
| | | |
| | | |
| | 10 | 25.32 |
| | 1,0467.97 | 1,2805.27 |

12

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| | | | | | | | |
|--|--|--|--|--|--|--|--|



| | | | | | | | |
|--|-----|-----|-------|-------|-------|--------|-----|
| | 48% | 48% | 81.32 | 58.27 | 23.05 | 142.46 | 7.4 |
|--|-----|-----|-------|-------|-------|--------|-----|

13

1

| | | | | | | | | | | | |
|--|--|------|------|--|------|-------|-------|--|--|--|---|
| | | | | | | (%) | (%) | | | | |
| | | 5.15 | 5.15 | | 5.15 | 2% | 2% | | | | |
| | | 0.05 | 0.05 | | 0.05 | 0.06% | 0.06% | | | | 0 |

| | | | | | | | | | | | |
|--|----|--------|--------|--------|--------|--------|--------|----|--|--|------|
| | | | | | | | | | | | |
| | | 13.11 | | 14.66 | 14.66 | 43.7% | 43.7% | | | | |
| | | 9.6 | | 10.84 | 10.84 | 48% | 48% | | | | |
| | | 9.8 | | 11.93 | 11.93 | 49% | 49% | | | | |
| | | 9.8 | | 9.38 | 9.38 | 49% | 49% | | | | |
| | | 7.35 | | 6.38 | 6.38 | 48.97% | 48.97% | | | | |
| | | 7.03 | | 9.23 | 9.23 | 46.84% | 46.84% | | | | |
| | -- | 267.53 | 115.05 | 215.01 | 330.06 | -- | -- | -- | | | 7.35 |

14

1

| | | | | | |
|--|----|----------|--------|--------|----------|
| | | | | | |
| | | 5,999.39 | 984.52 | 222.75 | 6,761.16 |
| | | 2,848.43 | 444.01 | 51.22 | 3,241.22 |
| | | 2,433.13 | 369.89 | 124.72 | 2,678.3 |
| | | 401.44 | 88.1 | 28.05 | 461.49 |
| | | 316.38 | 82.51 | 18.75 | 380.14 |
| | -- | | | | |

| | | | | | |
|----|----------|--|--------|-------|----------|
| | 1,861.11 | | 416.98 | 139.5 | 2,138.59 |
| | 532.35 | | 108.15 | 16.43 | 624.07 |
| | 1,048.13 | | 213.87 | 89.33 | 1,172.66 |
| | 126.59 | | 40.03 | 16.61 | 150.01 |
| | | | 54.93 | 17.13 | 191.84 |
| -- | | | -- | | |
| | 4,138.28 | | -- | | 4,622.57 |
| | 2,316.09 | | -- | | 2,617.15 |
| | 1,385 | | -- | | 1,505.63 |

15

1

| | | | | | | |
|--|--|--|--|--|--|--|
| | | | | | | |
| | | | | | | |

| | | | | | | | | | | | | |
|--|--------|-------|--------|--|--|--------|----|--|--|----|----|--------|
| | 138 | 0 | 42.15 | | | 30.54% | 40 | | | | | 42.15 |
| | 915.32 | 68.02 | 332.54 | | | -- | -- | | | -- | -- | 400.56 |

3

75,862.44 96.78% 34,158.53
13,550.76 12,042.44

16

1

| | | | | |
|------|----------|--------|------|----------|
| | | | | |
| | 3,048.34 | 224.14 | 1.78 | 3,270.7 |
| | 1,495.22 | 80.49 | | 1,575.71 |
| | 309.19 | 45.82 | 1.32 | 353.69 |
| | 132.43 | 77.35 | 0.46 | 209.32 |
| CIFA | 350.16 | 6.67 | | 356.83 |
| | 761.34 | 13.82 | | 775.16 |
| | 421.2 | 98.87 | 1.71 | 518.36 |
| | 105.41 | 26.83 | | 132.24 |
| | 181.11 | 24.54 | 1.26 | 204.39 |
| | 25.43 | 15.96 | 0.45 | 40.95 |
| CIFA | 94.83 | 31.54 | | 126.38 |
| | 14.41 | | | 14.41 |
| | 2,627.14 | 125.27 | 0.07 | 2,752.34 |
| | 1,389.81 | 53.66 | | 1,443.47 |
| | 128.08 | 21.28 | 0.06 | 149.3 |
| | 107 | 61.39 | 0.01 | 168.38 |
| CIFA | 255.32 | -24.87 | | 230.45 |
| | 746.93 | 13.82 | | 760.74 |
| | 21.22 | | | 21.22 |

| | | | | |
|------|----------|--------|------|----------|
| | | | | |
| | | | | |
| | | | | |
| CIFA | | | | |
| | 21.22 | | | 21.22 |
| | 2605.92 | 125.27 | 0.07 | 2731.32 |
| | 1,389.81 | 53.66 | | 1,443.47 |
| | 128.08 | 21.28 | 0.06 | 149.3 |
| | 107 | 61.39 | 0.01 | 168.38 |
| CIFA | 255.32 | -24.87 | | 230.45 |
| | 725.71 | 13.82 | | 739.52 |

9,887.20

17

| | | | | | |
|---|----------|-------|--|----------|-------|
| | | | | | |
| Compagnia Italiana Forme Acciaio S.p.A | 1,611.42 | 27.43 | | 1,638.85 | |
| | 138.86 | | | 138.86 | |
| | 12.35 | | | 12.35 | |
| | 70.51 | | | 70.51 | 17.63 |
| | 1,833.14 | 27.43 | | 1,860.57 | 17.63 |

13.6% 21.8%

3%

2012

2012

1,762.88

18

1

| | | |
|--|--------|--------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | 213.31 | 109.08 |
| | 18.75 | 14.67 |
| | 9.38 | 1.38 |
| | 0.19 | 0.2 |
| | 23.1 | 20.4 |
| | 0.66 | 4.31 |
| | 74.42 | 73.27 |
| | 23.54 | 32.84 |
| | 92.91 | 61.02 |
| | 456.26 | 317.17 |
| | | |
| | 0.16 | |
| | | |
| | 439.42 | 418.01 |
| | 439.58 | 418.01 |

| | | |
|--|--------|--------|
| | | |
| | 299.77 | 267.71 |
| | 456.73 | 356.97 |
| | | |
| | 756.50 | 624.68 |

| | | | |
|------|--------|--------|----|
| | | | |
| 2012 | | 51.12 | |
| 2013 | 85.97 | 85.97 | |
| 2014 | 115.24 | 115.24 | |
| 2015 | 35.78 | 35.78 | |
| 2016 | 68.86 | 68.86 | |
| 2017 | 150.87 | | |
| | 456.72 | 356.97 | -- |

| | | | |
|--|--|----------|----------|
| | | | |
| | | | |
| | | | |
| | | 1,802.94 | 1,471.38 |
| | | 1.03 | |
| | | 1,803.97 | 1,471.38 |
| | | | |
| | | 1185.16 | 582.8 |
| | | 117.4 | 79.75 |
| | | 44.17 | 9.18 |
| | | 1.24 | 1.35 |
| | | 153.99 | 101.88 |
| | | 4.42 | 15.35 |
| | | 272.67 | 266.36 |
| | | 84.93 | 122.86 |
| | | 464.47 | 347.91 |
| | | 2,328.46 | 1,527.44 |

19

| | | | | | |
|--|--------|--------|-------|------|--------|
| | | | | | |
| | 587.68 | 392.08 | 40.99 | 9.17 | 929.6 |
| | 149.8 | 241.7 | 54.77 | 2.74 | 333.99 |

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
| | | | | | |



| | | |
|--|----------|----------|
| | 16.26 | 16.82 |
| | 10.18 | 8.81 |
| | 168.61 | 128.81 |
| | 2,686.38 | 3,019.83 |

27

| | | | | | | | |
|--|---------------|---------------|----|----|----------|----|--|
| | 14 | 04 | | | | | |
| | 2010 12 13 | 2013 12 13 | | 97 | 609.69 | | |
| | 2010 07 05 | 2013 06 28 | | 60 | 377.13 | | |
| | 2010 06 29 | 2013 06 28 | | 40 | 251.42 | | |
| | -- | -- | -- | -- | 3,567.17 | -- | |

3

| | | | | | | | | | |
|--|-----------|---------------|----|---------|-------|------|-------|-------|----------|
| | | | | | | | | | |
| | 1,100 | 2008 04 21 | 8 | 1,087.9 | 53.63 | 71.5 | 71.5 | 53.63 | 1,094.23 |
| | 2008 4 21 | | 11 | | 8 | | 6.50% | | |
| | 1,210.00 | | | | | | | | |

| | | | | | |
|--|--|------|--------|------|-------|
| | | | | | |
| | | | | 3.17 | 19.99 |
| | | | 97.05 | | 22.75 |
| | | 2.84 | 23.62 | 3.39 | 27.63 |
| | | | 120.67 | | 70.38 |

31

1

| | | |
|--|--|----------|
| | | |
| | | 1,467.96 |
| | | |
| | | |

| | | |
|--|----------|----------|
| | 3,869.55 | 4,488.9 |
| | | |
| | 3,869.55 | 5,956.86 |

2

| | 2011 09 23 | 2014 09 22 | | 153 | 961.68 | 153 | 964.04 |
|--|-----------------------|---------------|----|-------|----------|-----|--------|
| | 2012 05 04 | 2015 05 04 | | 70 | 439.99 | | |
| | 2012 06 26 | 2015 09 25 | | 53.35 | 335.33 | | |
| | 2012 07 25 | 2014 07 24 | | 50 | 314.28 | | |
| | 2012 08 [REDACTED] | 2015 09 10 | | 300 | 300 | | |
| | -- | -- | -- | -- | 2,351.28 | -- | 964.04 |

208,730.59

35.04%

af4800.21386 57.84 171052209e

| | | | | | | | |
|----|---|-------------------------------|--------|----|----|----|--------|
| | 4 | 10 | 835.16 | | | | |
| 2 | | Zoomlion H.K. SPV Co, Limited | 2012 | 12 | 20 | | 6 |
| 10 | | 6.125% | 6 | 20 | 12 | 20 | 868.33 |

33

| | | | |
|--|--|----------|----------|
| | | | |
| | | 5.55 | 5.51 |
| | | 1,586.23 | 1,617.81 |
| | | 27.77 | |
| | | 1,619.55 | 1,623.32 |

1 1997

2 161,780.84

34

1

| | | | | | |
|--|--|--------|--------|-------|-------|
| | | | | | |
| | | 619.24 | 619.24 | 31.14 | 31.14 |
| | | | | 0.95 | 7.79 |
| | | | 619.24 | | 38.93 |

2 58,030.90 14.91

35

| | | |
|--|--------|--------|
| | | |
| | 282.56 | 169.56 |
| | 282.56 | 169.56 |

18,354.13 9,901.74

11,300.12 66.64%

36

| | | | | | | | |
|--|----------|--|--|--|--|--|----------|
| | | | | | | | |
| | | | | | | | |
| | 7,705.95 | | | | | | 7,705.95 |

37

| | | | | |
|--|-----------|------|-------|-----------|
| | | | | |
| | 14,634.24 | | 69.52 | 14,564.72 |
| | 39.87 | 0.39 | | 40.26 |
| | | | | |
| | 14,674.11 | 0.39 | 69.52 | 1,4604.98 |

1

2

1

4,741.17

2

CIFA.S.P.A CIFA.USA

2,074.42

3

128.95

4

7.04

38

| | | | | |
|--|-----------|--------|-----|----------|
| | | | | |
| | 1,962.76 | 650.32 | | 2,613.08 |
| | | | | |
| | | | | |
| | | | | |
| | 1,962.76 | 650.32 | | 2,613.08 |
| | 65,032.03 | 33.13% | 10% | |

39

| | | |
|-----|-----------|-----|
| | | |
| | 11,184.85 | -- |
| + - | | -- |
| | 11,184.85 | -- |
| | 7,330.05 | -- |
| | 650.32 | 10% |
| | | |
| | 1,926.49 | |
| | | |
| | 15,938.09 | -- |

40

1

| | | |
|--|-----------|-----------|
| | | |
| | 47,555.84 | 45,912.49 |
| | 515.33 | 410.09 |
| | 32,545.61 | 31,316.03 |

2

| | | | | |
|--|-----------|-----------|-----------|-----------|
| | | | | |
| | | | | |
| | 45,955.83 | 31,960.00 | 44,329.80 | 30,764.94 |
| | 1,600.01 | 109.02 | 1,582.68 | 206.94 |
| | 47,555.84 | 32,069.02 | 45,912.49 | |

| | | | | |
|--|-----------|-----------|-----------|-----------|
| | 23,596.13 | 15,588.19 | 21,212.77 | 13,669.78 |
| | 14,132.10 | 10,330.04 | 15,618.01 | 11,594.73 |
| | 3,033.67 | 2,173.56 | 2,977.53 | 2,060.27 |
| | 1,558.23 | 905.83 | 1,736.68 | 1,071.41 |
| | 2,268.73 | 1,766.44 | 1,048.03 | 833.71 |
| | 293.78 | 249.95 | 503.94 | 452.96 |
| | 1,073.18 | 945.99 | 1,232.84 | 1,082.08 |
| | 1,600.02 | 109.02 | 1,582.68 | 206.94 |
| | 47,555.84 | 32,069.02 | 45,912.49 | 30,971.88 |

4

| | | (%) |
|---|------------|-------|
| A | 358.53 | 0.75% |
| B | 355.67 | 0.74% |
| C | 259.96 | 0.54% |
| D | 259.83 | 0.54% |
| E | 238.27 | 0.5% |
| | 1,472.26 | 3.06% |
| | 147,225.60 | 3.06% |

41

| | | | % |
|--|--------|--------|-----|
| | | | |
| | 47.5 | 51.77 | 3 5 |
| | 115.61 | 115.97 | 5 7 |
| | 96.76 | 95.08 | 3 5 |
| | | | |
| | 1.05 | 0.81 | |
| | 260.92 | 263.63 | -- |

42

| | 1,149.72 | 1,118.27 |
|--|----------|----------|
| | 512.89 | 540.53 |
| | 624.34 | 410.96 |
| | 85.13 | 79.16 |
| | 1,004.06 | 1,010.82 |
| | 3,376.14 | 3,159.74 |

43

| | 610.35 | 700.33 |
|--|----------|----------|
| | 583.82 | 397.56 |
| | 161.63 | 162.34 |
| | 83.04 | 68.91 |
| | 496.83 | 426.74 |
| | 1,935.67 | 1,755.88 |

44

| | |
|--|---|
| | q |
|--|---|

| | | |
|--|--------|-------|
| | | |
| | | |
| | | |
| | | |
| | -17.78 | 18.82 |

46

1

| | | |
|--|-------|-------|
| | | |
| | 0.95 | 0.12 |
| | 34.92 | 35.72 |
| | | |
| | | |
| | | |
| | | 0.05 |
| | | |
| | | |
| | | |
| | | |
| | 35.87 | 35.89 |

2

| | | | |
|--|------|------|----|
| | | | |
| | 0.12 | 0.12 | |
| | 0.83 | | |
| | 0.95 | 0.12 | -- |

3600

2400

3

| | | | |
|--|-------|-------|--|
| | | | |
| | 15.90 | 21.36 | |
| | 4.54 | | |
| | 3.33 | | |
| | 2.62 | | |
| | 2.53 | | |
| | | | |

47

| | | | |
|--|--|--------|--------|
| | | | |
| | | 351.83 | 23.95 |
| | | 186.82 | 81.27 |
| | | | |
| | | | |
| | | | |
| | | 18.4 | 7.42 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | 17.63 | |
| | | 164.45 | 144.02 |
| | | | |

| | | | |
|--|-------|-------|-------|
| | | | |
| | 10.94 | 10.38 | 10.94 |

| | | | |
|--|--------|--------|-------|
| | 317.27 | 80.63 | 18.83 |
| | 385.85 | 139.21 | 87.4 |

3,015.40

870.35

1,757.48

572.25

31,727.46

50

| | | |
|--|----------|----------|
| | | |
| | 1,451.32 | 1,506.08 |
| | -122.14 | -76.95 |
| | | |
| | 1,329.16 | 1,429.13 |

51

/

| | | | |
|---|-----------|----------|----------|
| | | | |
| | P | 7,330.05 | 8,065.64 |
| | 1 | 190.26 | 77.82 |
| | $P_0=P-1$ | 7,139.79 | 7,987.82 |
| | S_0 | 7,705.95 | 5,797.22 |
| | S_1 | | 1,775.04 |
| | S_i | | 130.44 |
| | | | |
| H | | | 130.44 |
| | S_j | | |
| | S_k | | |
| | M_0 | 12 | 12 |
| | M_i | | |

| | | | |
|---|-------|----------|----------|
| | | | |
| H | | | 11 |
| | M_j | | |
| | | 7,705.95 | 7,691.82 |
| $S = S_0 + S_1 + S_i \times M_i \div M_0 - S_k \times M_j \div M_0 - S_k$ | | | |
| EPS = $P \div S$ | | 0.95 | 1.05 |

Ž 8 S

| | | |
|--|--|--|
| | | |
| | | |

| | |
|--|--------|
| | 50.81 |
| | 53.26 |
| | 104.07 |

54

1

| | | |
|-----|-----------|-----------|
| | | |
| 1 | -- | -- |
| | 7528.96 | 8173.34 |
| | 739.13 | 256.66 |
| | 405.71 | 369.78 |
| | 95.63 | 88.63 |
| | 0 | 0 |
| “ ” | 19.99 | 4.91 |
| “ ” | 0 | 0 |
| “ ” | 17.78 | -18.82 |
| “ ” | 604.98 | 450.69 |
| “ ” | -24.35 | -35.89 |
| “ ” | -136.71 | -54.41 |
| “ ” | 14.57 | -22.54 |
| “ ” | -2,264.1 | -1,049.92 |
| “ ” | -8,609.99 | -9,200.13 |
| “ ” | 4,568.7 | 3,130.93 |
| | | |
| | 2,960.29 | 2,093.23 |
| 2 | -- | -- |
| | | |
| | | |
| 3 | -- | -- |
| | 20,083.97 | 16,002.21 |
| | 16,002.21 | 18,758.27 |

| | | |
|--|----------|-----------|
| | | |
| | | |
| | 4,081.76 | -2,756.06 |

2

| | | |
|--|-----------|-----------|
| | | |
| | 20,083.97 | 16,002.21 |
| | 1.94 | 2.23 |
| | 20,082.03 | 15,999.97 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | 20,083.97 | 16,002.21 |

1

| | | | | | | | (%) | (%) | |
|--|--|--|-----|--|--|----------|------|------|------------|
| | | | 233 | | | 10.00 | 100% | 100% | 70766849-3 |
| | | | 37 | | | 1,502.02 | 100% | 100% | 73346585X |
| | | | | | | 50.00 | 100% | 100% | 743157383 |
| | | | | | | 1.96 | 100% | 100% | |

| | | | | | | | | | |
|--|--|--|-----|--|--|--------|--------|--------|------------|
| | | | | | | | | | |
| | | | 613 | | | 5.00 | 100% | 100% | 18387328-4 |
| | | | 294 | | | 0.50 | 100% | 100% | 75802309-7 |
| | | | | | | 10.00 | 62% | 62% | 18389700-8 |
| | | | | | | 180.2 | 77.61% | 77.61% | 76072823-X |
| | | | | | | 68.70 | 100% | 100% | 668589572 |
| | | | | | | 8.84 | 67.43% | 67.43% | 13412814-9 |
| | | | | | | 2.30 | 100% | 100% | |
| | | | | | | 100.00 | 100% | 100% | 67357295-1 |

Zoomlion
H.K.
Holding
Co., Ltd

| | | | | | | | | | |
|---|--|--|---|--|--|----------|--------|--------|----------------|
| Zoomlion Capital(H.K) Co.,Limited | | | Hong Kong | | | 2,200.00 | 100% | 100% | |
| Zoomlion Ru Co.,Ltd | | | | | | 2.50 | 100% | 100% | |
| | | | | | | 280.00 | 100% | 100% | 717884165 |
| | | | | | | 360.00 | 100% | 100% | 69182492-1 |
| | | | | | | 10.00 | 100% | 100% | 69180092- X |
| | | | | | | 10.00 | 100% | 100% | 69856788-4 |
| | | | | | | 50.00 | 100% | 100% | 77092066-3 |
| | | | | | | 5.00 | 60% | 60% | 56886344- X |
| | | | | | | 80.00 | 93.75% | 93.75% | 58853448-3 |
| | | | | | | 2,100.00 | 100% | 100% | 59101674 |
| Zoomlion H.K. SPV Co., Limited | | | 33/F Three Pacific Place 1 Queen's Road East Hong Kong | | | 0.01 | 100% | 100% | |
| | | | | | | 465.59 | 88.86% | 88.86% | 19024326-4 |

| | | | | | | | | | |
|--|--|--|--|--|--------|-----|-----|--|----------------|
| | | | | | 100.00 | 52% | 32% | | 753385021 |
| | | | | | 4.00 | 49% | 49% | | 687422874 |
| | | | | | 10.00 | 35% | 35% | | 56558779- 3 |
| | | | | | 30.00 | 25% | 25% | | 56765688- 7 |

| | | | | % | | % |
|--|--|--|--------|-------|--------|-------|
| | | | 215.52 | 0.45% | 154.94 | 0.33% |

| | | | | | |
|--|--|--------|------|-------|------|
| | | 14.27 | 0.14 | | |
| | | 83.11 | 0.83 | | |
| | | 22.38 | 0.22 | | |
| | | 40.86 | 0.41 | | |
| | | 33.94 | 0.34 | | |
| | | 439.33 | 4.79 | 89.78 | 1.19 |

| | | 16.22 | 3.29 |
|--|--|-------|------|
| | | 5.61 | 0 |
| | | 0.54 | 0 |
| | | 4.82 | 0 |
| | | 2.29 | 0 |
| | | 7.11 | 0 |
| | | 2.3 | 0 |
| | | 10.5 | 0 |
| | | 6.3 | 0 |
| | | 18.51 | 0 |
| | | 4.5 | 0 |
| | | 7.84 | 0 |

| | | | |
|--|--|-------|------|
| | | 7.95 | 0 |
| | | 94.49 | 3.29 |

1

2 4

2012 12 31

1,238,529.43

28,703.22

2 2010 10

2012 12 31

89,246.33

2 5 2012 12 31

3

2012 12 31

1

| | | | | | |
|----|-------|--------|------|--|------|
| | | | | | |
| 1. | 18.81 | -17.78 | | | 1.03 |
| 2. | | | | | |
| 3. | 4.23 | 0.46 | 1.05 | | 4.69 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | 23.04 | -17.32 | 0.57 | | 5.72 |
| | | | | | |

2

2012 12 28

Zoomlion Overseas Investment Management (H.K) Co.,Limited

Zoomlion CIFA(H.K) Holdings Co., Ltd

40.68

2.36

Zoomlion CIFA(H.K)Holdings Co., Ltd

1

1

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| | | |
|--|--------|-----|
| | | (%) |
| | 233.11 | |
| | | |



| | | | | | | | |
|---|---|-------|-------|-------|-------|-------|-------|
| 3 | 4 | 78.40 | 0.51% | 31.36 | 25.13 | 0.25% | 10.05 |
| 4 | 5 | 24.59 | 0.16% | 17.21 | 23.23 | 0.23% | 16.26 |
| 5 | | 31.42 | 0.20% | 31.42 | 19.57 | 0.2% | |

4

| | | | (%) |
|--|----|--------|-------|
| | | 98.1 | 0.42% |
| | | 3.56 | 0.02% |
| | | 44.32 | 0.19% |
| | | 66.83 | 0.29% |
| | | 31.96 | 0.14% |
| | | 14.27 | 0.06% |
| | | 83.11 | 0.36% |
| | | 22.38 | 0.1% |
| | | 40.86 | 0.18% |
| | | 33.94 | 0.15% |
| | -- | 439.33 | 1.89% |

5

2012

483,046.08

29,844.93

817,785.57

54.43%

2

1

| | | (%) | | (%) | | (%) | | (%) |
|--|--------|-------|-------|-------|--------|-------|-------|-------|
| | 20.15 | 0.21% | 14.11 | 70% | 20.15 | 0.15% | 10.08 | 50% |
| | 254.91 | 2.6% | 4.39 | 1.72% | 136.55 | 1.01% | 2.54 | 1.86% |

| | | | | | | | | |
|---|---|--|------|-------|------|------|-------|------|
| | | | 2 | 0.08% | 0.08 | 0.69 | 0.51% | 0.28 |
| 4 | 5 | | 0.52 | 0.2% | 0.36 | | | |

3

| | | | | | | | | | | | |
|--|--|--|--|--|--|-----|-----|--|--|--|--|
| | | | | | | (%) | (%) | | | | |
|--|--|--|--|--|--|-----|-----|--|--|--|--|

| | | | | | | | | | | | |
|--|--|------|------|-------|-------|--------|--------|--|--|--|---|
| | | | | | | | | | | | |
| | | 9.6 | | 10.84 | 10.84 | 48% | 48% | | | | 0 |
| | | 9.8 | | 11.93 | 11.93 | 49% | 49% | | | | 0 |
| | | 9.8 | | 9.38 | 9.38 | 49% | 49% | | | | 0 |
| | | 7.35 | | 6.38 | 6.38 | 48.97% | 48.97% | | | | 0 |
| | | 7.03 | | 9.23 | 9.23 | 46.84% | 46.84% | | | | 0 |
| | | 5.15 | 5.15 | | 5.15 | 2% | 2% | | | | 0 |
| | | 3.5 | 3.5 | | 3.5 | 10% | 10% | | | | 0 |
| | | 0.42 | 0.42 | | 0.42 | 19% | 19% | | | | 0 |
| | | 100 | | 100 | 100 | 8.7% | 8.7% | | | | 0 |
| | | 30 | | 30 | 30 | 2.17% | 2.17% | | | | 0 |
| | | 0.05 | 0.05 | | 0.05 | 0.06% | 0.06% | | | | 0 |

| | | | | | | | | | | | |
|--|--|--------|--------|-----|--------|--------|--------|--|--|--|---|
| | | | | | | | | | | | |
| | | 229.5 | 229.5 | | 229.5 | 100% | 100% | | | | 0 |
| | | 386.84 | 281.84 | 105 | 386.84 | 88.86% | 88.86% | | | | 0 |
| | | 175.59 | 122.59 | 53 | 175.59 | 97% | 97% | | | | 0 |

Zoomlion

H.K.

Holding

| | | | | | | | | | | | |
|--|----|-----------|----------|----------|-----------|--------|--------|----|--|--|-------|
| | | | | | | | | | | | |
| | | 3 | 3 | | 3 | 60% | 60% | | | | 0 |
| | | 15 | | 15 | 15 | 93.75% | 93.75% | | | | 0 |
| | | 2,100 | | 2,100 | 2,100 | 100% | 100% | | | | 0 |
| | | 30 | | 30 | 30 | 100% | 100% | | | | 0 |
| | | 16.1 | | 16.1 | 16.1 | 100% | 100% | | | | 0 |
| | | 21 | | 21 | 21 | 70% | 70% | | | | 0 |
| | -- | 11,528.15 | 8,682.15 | 2,908.52 | 11,590.68 | -- | -- | -- | | | 90.86 |

4

1

| | | |
|--|-----------|-----------|
| | | |
| | 43,240.49 | 42,273.36 |
| | 3,327.43 | 270.24 |
| | 46567.92 | 42543.60 |
| | 34274.91 | 30111.93 |

2

| | 43,240.49 | 30,993.22 | 42,273.36 | 29,864.65 |
|--|-----------|-----------|-----------|-----------|
| | 43,240.49 | 30,993.22 | 42,273.36 | 29,864.65 |

3

| | 22,163.16 | 15,249.94 | 20,681.62 | 13,784.31 |
|--|-----------|-----------|-----------|-----------|
| | 14,123.23 | 10,417.19 | 15,736.64 | 11,959.37 |
| | 1,536.89 | 917.85 | 1,643.6 | 999.28 |
| | 3,021.77 | 2,413.39 | 2,990.05 | 2,080.56 |
| | 2,167.37 | 1,778.51 | 1,054.7 | 880.77 |
| | 228.07 | 216.34 | 166.74 | 160.36 |
| | 43,240.49 | 30,993.22 | 42,273.36 | 29,864.65 |

4

| | | (%) |
|---|----------|-------|
| A | 1,572.35 | 3.38% |
| B | | |

| | | |
|--|--------|-------|
| | 84.46 | 33.27 |
| | 23.41 | 23.65 |
| | 0 | 1 |
| | | |
| | 0 | 0.05 |
| | | |
| | | |
| | | |
| | 107.87 | 57.97 |

2

| | | | |
|--|-------|-------|----|
| | | | |
| | 28.51 | 29.15 | |
| | 4.16 | 4.12 | |
| | 0 | 0 | |
| | 51.79 | 0 | |
| | 84.46 | 33.27 | -- |

3

| | | | |
|--|-------|-------|----|
| | | | |
| | 15.90 | 21.36 | |
| | 2.21 | 0 | |
| | 2.13 | 0 | |
| | 1.55 | 0 | |
| | 1.54 | 1.24 | |
| | 23.33 | 22.60 | -- |

6

| | | |
|-----|--------|---------|
| | | |
| 1 | -- | -- |
| | 6503.2 | 7504.37 |
| | 405.31 | -20.47 |
| | 267.21 | 216.3 |
| | 27.89 | 20.98 |
| | 0 | 0 |
| “ ” | | |

1

| | % | | |
|--|--------|------|------|
| | | | |
| | 19.07% | 0.95 | 0.95 |
| | 18.62% | 0.93 | 0.93 |

2

| | | | | |
|--|----------------|--------------|-------------|--|
| | ' ')"SS | &&+" % | (+" , % | |
| | ',)",) | % - " &% | %+"%+% | |
| | %, "- & | %&+"+\$ | , ("+\$% | |
| | &ž- *S" & | &žS- ' " & | (% (&% | |
| | ! ' ž' -- " (* | !%ž) SS') + | !%&ž") (%) | |

A C B'Añ,É, *Û(Ž9- C)'>R-›BÑ9- C 0 0§2 'Í9-B'8Ê6) -"Cc+e0 0§(I(Ž D
,_ C B'Añ0 0§; ;#>R< -"Cc C DÃ) 0§; 8Ê6) -"Cc+e:"0§(I-ÇCŽ(_ D
9P C (I-Ç8;6»B»D1.›D 0Á0 D , (ID :p.L2Ë7œ5 .ž+e< Añ.L;ß>%0ß+eCž(_0'.L-Ç+eBŽ-Æ D
>%0ß*Ç,æ+y Û.L;ß, 5ù'Í.L;3