

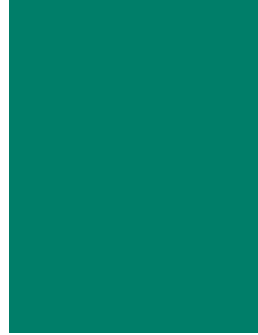
BEIJING
TECHNOLOGY
AND
BUSINESS
UNIVERSITY
2024





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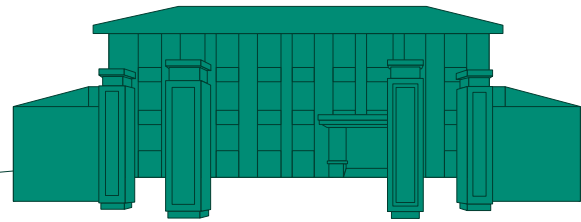
! ‡+ì#M'.)m46! ‡, hß; ;zF H}% '.)mpO)m6(¥)m'Ò n;n'n¥n ,{o†n;n'n'n' ,{LÖ'N,^'iO "C8
! ‡] +ì !)mdi ! ‡#M)mdi" ,)o†5A6•+ì !!±B ,y^'i)mdi,} IL,- N O pO" ,)L,- " D ! ‡+ì
#M'.)m9I I 3•D !Ø\3ý5&o†M ")¥ ¢4ER^&¥-Ao†A•+ø!Ø\O AB p-+ìp-LÖ-I±p-:Û-3 p-P IP
)mGÖÿ 362 p-!VZ !Ø\D 'IGØ'.)mpO)m6(* 1 ?n p "3•p-- 3Ep-@ Pyp-[/_Ö D .B Z!Ø\3A o†
%a1 p #MGØa-Ap-+ìGØaJ`p-+ì#MU " p-!Qúhx flp D ¥)m.\$[ö†'R ¢Z8 oei- Y`hß; ;zF H}%
'.)m3•l,HçpO

1950



4'5" c ' !l" B *G,y^i)m6(- 'ÒOâC&o³
" 3@" A 4!U o% " cGEN[" .BGE,y^i)m6(

1958



njp ! ³],+i !)mdiO HÒ
nÇp 'O;'.)m =;M^'L¿)mdil€' ' ,} I
! ³],+i !)mdi

1982

5A6·+i !l" B ,y^i)mdi- HÒ

1953

1958

1959

1960

1961

1969

1978

1959

1970

1978

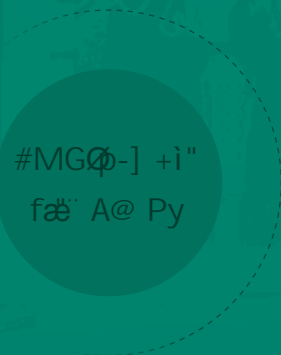
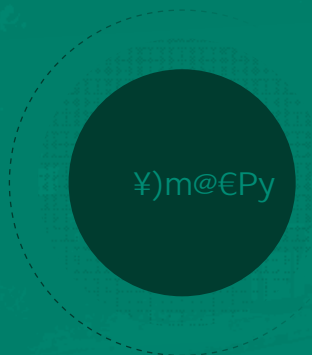
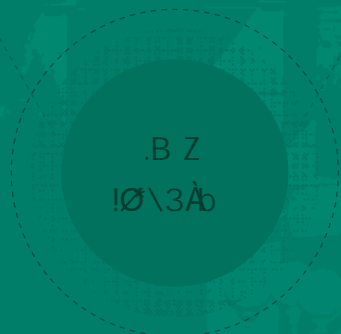


W`oei[6-,RD)¥ aDκ "IH'JÄGe" g]Ø,z.B mY. z •3`N¹Dκ_ÖW`YÁ]÷

%a1



IØ*\

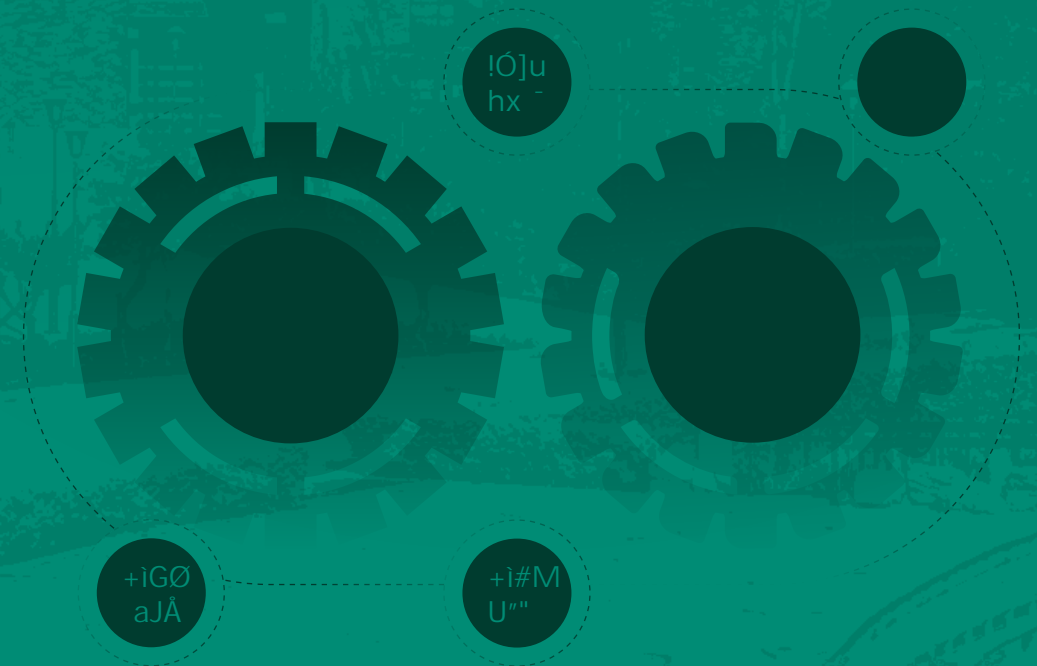


2050

)m6(- 6(njn n "o,{3yot
oei- O hß;zf H)% '.)mot
]â l% ;H')mVS p0

2035

)m6(\$9I- O hß;zf H)% '.)mot
7 + 1)mGØâ l%)%o p IÓ ;Hp - Y`VS p0



f * z.

● $n_j n^k n^l$, {
 $4!U o\% " cGEN[" .BGE,y^i)m6(6(c H)W!Uo\text{œ}o\acute{y}$
 $dq" 9\hat{a} B,4!E\acute{W}E o\% \text{c} GE^* \backslash W^$

● $n_j n^k n^l$, {
 $9\hat{a} B,4\%/ o\% l3 *Q+i ! \ll^!*\backslash W^ !$
 $W\acute{E} O 6(3', 2\hat{O}c)\acute{y}h$

● n jn'n'n/, {n jn 5 n n f 3 i
3y 4 x 4'53F: *G'U_p-
% mdi v.BB 5U*j< 5IO 6(W")æ

● n n n n n n, {n n 5
3y o% '': v'U_c d00æHÖ
%/I]x5X O 6(I]x-B'FN " -x

● n jn'n'n', {n f 5 n jn 3 i
3y % mdi vGß mc p-%)%GØ 3'N,f * * L,O "_
- Qj ö ! †, , c ;, A)m6(O HÄô@S



● n n n jn , {n f 5 n jn 3 i
3y 4'53F: *G'U_p-! †, 'UmY• ;,
5IO 6(Z F



● n n n n n n, {n 5 n f 3 i
3y 4 x 4'53F: *G'U_p-
! †, 'UmY•[E, 5 5IO 6(W")æ

● n n n jn , {n jn 5 n f 3 i
3y 4 x 4'53F: *G,?ÜUc 4,
5IO 6(E 5" -%«3'1



● n n n n n n, {n jn 5 n j 3 i
3y o% '': Ü_c 5UIV O 6(, C& «;H



● n n n jn/, {n/5 n jn'3 i
3y ! †, , c A) f!É\$O 6(O ¥D
n n n jn/, {mg 4% 4fi! †d Z)j"6 fl æ-

④ n n n , {n 5 n 3 }
I3IH *O o% 3FIV v B,4dO J ,4
O 6(nSn "o,{6(, K ;B fl



④ n n n , {n 5 n 3 }
3ý ! ‡, 'Û?Û-3'N,+i'ÛmY•A)
5l6(Z F Ct.İd91fi+i c

④ n n n , {n 5 n 3 }
! ‡, v, c li-m5l6(EJ5i

④ n n n , {n/5 n'3 }
3ý 3'N,^İ aL, mY•p-^İc dO)C&5l6(Z F



④ n n n , {n/5 n n § 3 }
3ý ! ‡, 'Û?Û-3'N,+i'Û
mY•' 5 Q 5l6(Z F

④ n n n , {n n 5 n n £ 3 }
3ý ! ‡, 'Û?Û- v, c
9%, 5l6(Z F

④ n n n £ , {n f 5 p-n § 5
, 'Û?Û-L, ^İ^İc p-3ý , 'Û'N,+i'ÛmY•
<?bfi VS +9(76(o†*8)m6(+6(!AD fO)i Tp-
W, , *Go†Pv h B6(!A+iH f Di- Y.İ ...)¥%7Z F

④ n n n £ , {n n 5
! ‡, 'Û'N,+i'Ûv mY•p-, 3'ÛB
5U\ VS 76(Z F J !Ø\+i c



a- - f

)m6(a'ÛÒ`%a1 ì g]Øz3•3ý Æ 4% @ PyGE ! B P.\$.œ A1 - o| %a1 a*)m6(!D oei
 * o| oei[6- aD 3'N,3Àb o| @i@iO 1kGE ! B P ¥)m3A' o| ;! IRD)¥HÒ% `6@53 ▫ o| OU)¥1fl]âp
 oN, `p M " 3@ep o| EG ¢ ìhR/_Öa- - f hR/_Ö !!Ø\ o| Ahß;ZF H}% ').m- Y`1x ¢%a-AD 3F
 :`p-\$.œp-L,L_ äY`pO

)m6(oei[6- RD)¥ aD !H'.J`Ge" ! ‡, I3!H 9(a Æ !J`Ge o| 1 Lôt l)m g[6- g]Øz3•
 3ý Æ 4% @ PyGE ! B P.\$.œo‡@i@iO 1k p)m.\$.œp--A a..p-_Ô¥[Ûp-- 3• fp D .BW :lo‡)¥+ð%
 OÚ\ Bf 3'N,O 5Eo‡5 ▫3'N,-A% - Y`D `-' ¢_Öâ 9l äNao‡%/-w4E3'N, " Oì-Zp-)¥1fl fl
 !!Ø\p-1xN, C&, G 1 3wIP3Äei!Ý 7F\O 5EpO

n¢n n¢nE,{ nE 5 o‡ 4% x fl a! ‡+ì#M'.)ml3 9(a"_ ÆVo'. !Nª O!ó- pO'. ! oei\$áf I3
 9(a Æ ! ì5ID +ì c" !Ø\O *8o‡FuHÖ3•3ý Æ)m6(!Ø\.\$[ö" 'R3 Di6 pO !Yµ^ E flC& 4%
 x fl a! ‡+ì#M'.)ml3 *Q'Û_ !Û_" I3 *QL-- 6'5ì'Û_ !Û_o‡ oei- "6hß;ZF H}% ').
)m3•- H pO

✦)m6(! 1, C& a36^iQ%¥,! ‡hß(O]â& *l aL,L_

✦)m6(QjQ% ‡hß(aD - Y`" \$.œ3F:´+ì c "3•O 5E']

✦)m6(%/! ‡hß()mC& a- L'Py p n¡pbn¡p GAQ ;B flY_9Û4!9(Q% IP']

✦)m6(-`B K'[/3'N, 4-`Q%¥_ o% -`B l,%O]â3'N,5A5

✦)m6(L-`Ûp-DØæ "_ ¥ s)«QjQ%p ! ‡, O]â-6'DØæ_L,p G:‡p

✦)m6(+ì !Q%¥,! ‡, 8(Q NS+ì R)%op-! ‡, 3'N,+ì ! O]â\ T']

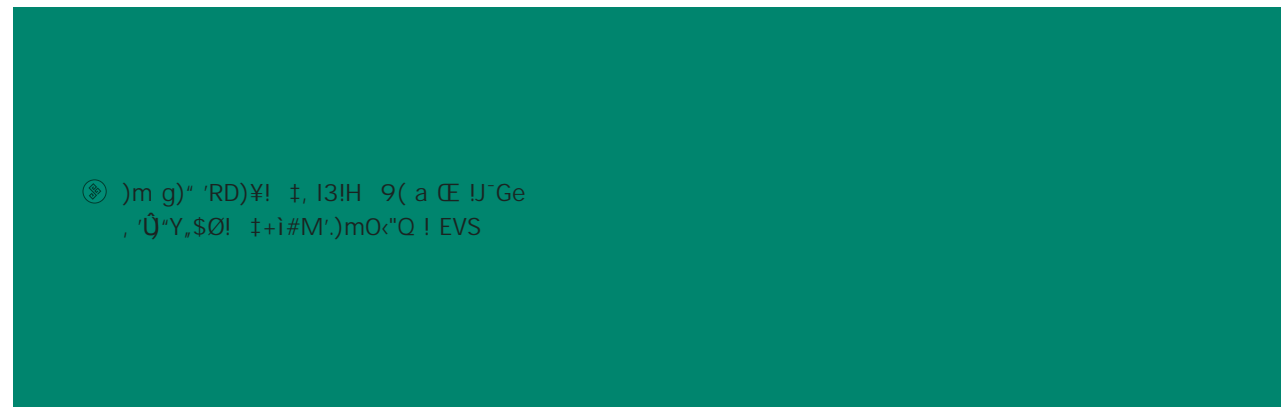
✦ n¥ 1, C& a36^i l^ 3'N,^i o% a- +ì c6>5 36^i& N, "- !\ T

✦)m6(% <¿) O 3• 4% O HÒn§n "o,{M« <?VSp-- aD ,(p-! ‡ ‡!!" ‡9 'l !IP_Ô:B fl ädE ▫



●)m6(ló-)m g[6- g]z3•3ýÉ 4% @ Py
GE ! B P.\$œ Bf 3'N, fi" _^iMy !

●)m6(EVS)m g)" '[6- aD !H'.J"Ge' !



⊗)m g)" 'RD)¥! ‡, l3!H 9(a É U"Ge
, 'Û"Y,\$Ø! ‡+i#M'.)mOœ"Q ! EVS

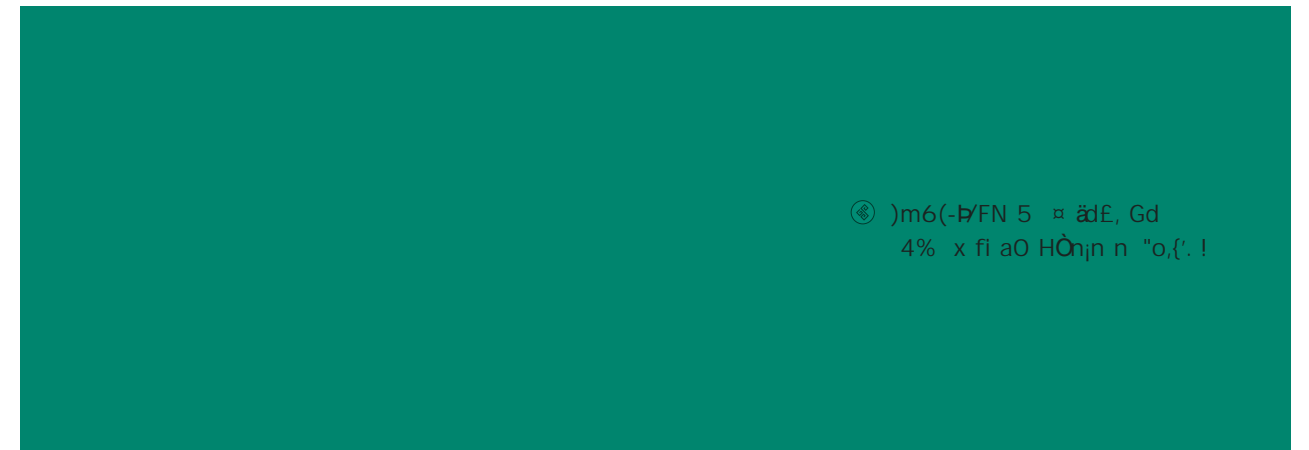
● 4% x fi a! ‡+i#M'.)ml3 9(a" _ ÉVo'. !Nª O!ó-



●)m6(a'Û Y")m g 4-"L,- *)m g[6- g]z3•3ýÉ
4% @ PyGE ! B P.\$œ Bf 3'N, f)m g

●)m6(E ¥3', p eYhs+iH p & Y·Aô- Aô æ-
4f)m g)" '[6- aD !H'.J"Ge f] * Oœ"Q !

●)m6(, C&!É\$, Gd 4!U `: x" % O HÒn\$ñ "o,{M« <?VS



⊗)m6(-ÞFN 5 = ädE, Gd
4% x fi aO HÒn n "o,{. !

)mGØ Y⁻

)m6(%a1 i)mGØ Y⁻ Am 'o†i ~)mGØA B,yo†(w!)mGØVZ !Ø\ R[ö†A•5)mGØ...DÝB p+i p-
LÖ†p-3 p:Ü†P IP)mGØiJ pOA•5 Lfi)mGØa&ò)m T1 5J>Àn¥ 1o†N[" & !a&ò)m T1 5J>Ànj 1o†
!a&ö" GØ ;H fiHàn¥ 1o† Lfi)mGØ\&ò)m T1 5J>Ànjn¥ 1o†F\&ò !m T1 5J>Ànjn' 1pO
)m6()¥3⁻)mGØ Y⁻3 D Y¥ o†;† l1fl]â p !Ó ;Hp)mGØ& N,p-#MGØw)^! "3• `OT& " p +i

5

18

●)m6(l6-)mGØ Y⁻4flF H)C&3'N,': !

●)m6(l6- +i#MI=B hB⁻*)mGØ Y⁻F Yfl !

19

)mGØ Y`A•@%oo W`Vo

! la&ð)m T1 5J>À

| | |
|------------|--------------|
| , C/LÖU)m |] +i0 56 +iH |
| +i#MI=B)m | K La6Øm |
| fæ`GØm +iH | |

F\&ð)m T1 5J>À

| | |
|--------------|-----------------|
| B Y`LÖU)m | K La6Øm |
| , C/LÖU)m | 5A6•+iH |
| +i#MI=B)m | 1fi =GØm +iH |
| fæ`GØm +iH | Y=I 5AGØm 0 56 |
|] +i0 56 +iH | I=B GØm +iH |
| 5W3 GØm +iH | :Üm |
| !)m+iH 0 56 | hs R.\$ B PB Y` |
| A¶& GØm +iH | 3•d `2)m |
| !)m | |
| Laæ)m | |

! la&ð" GØ ;H fiHà

| | |
|------------|--------------|
| , C/LÖU)m |] +i0 56 +iH |
| +i#MI=B)m | K La6Øm |
| fæ`GØm +iH | |

F\&ð)m T1 5J>À

| | |
|------------|----------|
| _Ø | [K< A¶& |
| H □ | , C/Læ□ |
| % dL#M □ | C<)W Ł.v |
| ädp | 5A6• |
| [K fiY, 7 | +iH I=B |
| +i#MI=B | :Ü |
| !Y□ | 3•d `2- |
| 3 <?I=B | N YØ |
| F CÛ \$;TÆ | Y`Y□ |
| 5W3 ! +i | |

! ‡hß6(hßJ`*)mGØ

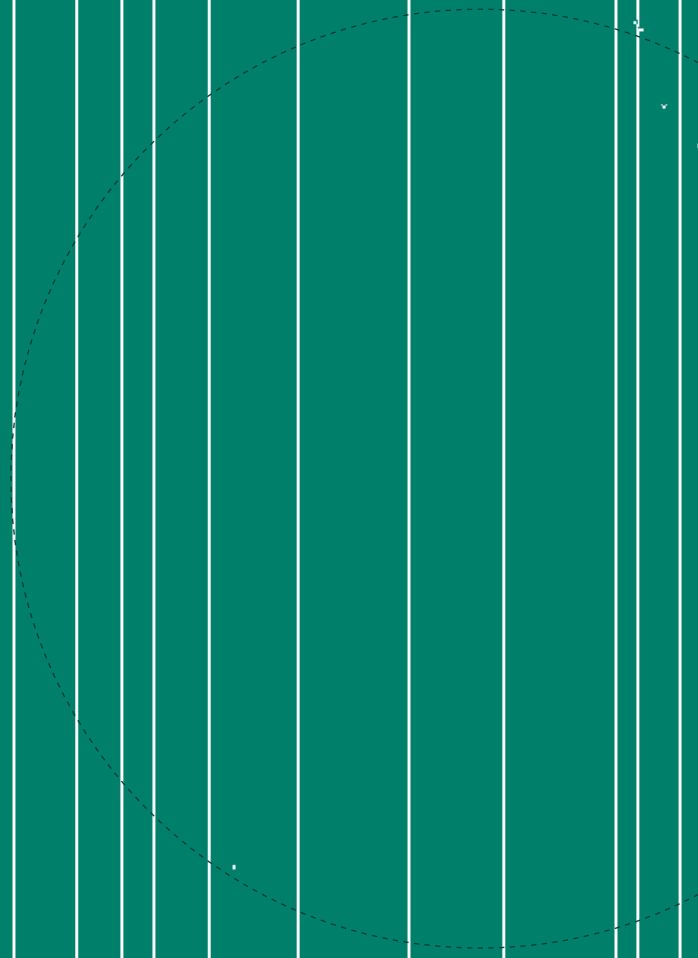
| | |
|------------|------------|
| , C/LÖU)m | fæ`GØm +iH |
| +i#MI=B)m | |

! ‡, _Ô`À Y`

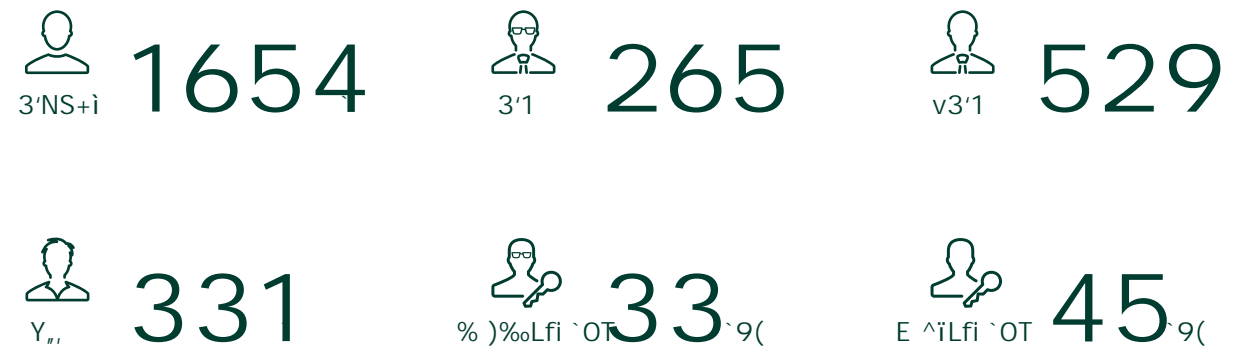
| | |
|------------|----------------|
| , C/LÖU)m | |
| !!=B | Y=I 5A, C/O 56 |
| 5W3 §+i+iH | : #M:Üm |
| A¶& +iH | |

! ‡, _Ô`À)mGØ

| | |
|-----------|----------|
| fi !LÖU)m | fæ`GØm |
| !Y□m | , C/I)m |



)m6(RD)¥I3 9(a Æ !1x D p "3•p-- 3Ep-@ Pyp-[/_Ö .B Z!Ø\3Àb o†1 ?n p #MGØ
a-Ap-+iGØaJ̄p-+i#MU " p-!Q̄uhx flp D ¥)m.\$[öo†)¥1xhB)m6(`OT+i c::zo† ihB;
,z `OTd& 1fl fl)m6(hB[/_ÖÖ\ " ;l]`]âo†%a1 `OT-A6(O Clo† §-A, -¾ fÖ Y-o†^ 9l-i
O 36 ìdi&dPhB*19(`OT Af Ço† i)mGØ-; ` A6?-o† ì 4eY,{hfl,y3', A& FGD , -¾
Pvp-@8* 3s !p-W,8(^ 4p-LÚ5 " B p-- OÚ"3•D hB'[/ !! 3', d& pO
)m6(A•5 3'NS+i n;nfn¥n/ `o†} 4 3', n;n;nEn `pO 3', 4oB'1 nçnfn¥ `otv3'1 n¥nçn' `pO
A•5 4% +iH didi&ðnf òü'2!ÖN_di&ðnç " p- NS3'1 nE " o†%)%oLfi `OT361 Yx `^ n;nç `o†
%)%5w eY,{GØm&_Ö¾ N n¥ `o†%)%oLfiD !J `OT+iH `^ n¥ `o†%)%oLfi `OT361 Yx
eY,{f Di `^ n¥ `o†%)%oLfi G'eY,{GØm&_Ö¾ N nf `o† o% G'3', n; `o† t!Bf,E@
9 ;[;)%o n;nç `o†! †)mN nç `o†GØ ^i "3• `OT1fl]âYx 4eY,{GØ "3•f ç `OT n; `o†



3'N,^i3• L- G' `OT nE `ot3'N,^i[i L- G' `OT n; `o# †, D !J `OT+iH `^ nf `o†
! †, p hB"Yx p 5w `OT n; `p-3')m", nç `p-eY,{OÚ `OT nE `o†! †, `OTYx f
Di `^ n;nç `o†! †, GØ 3•4& n;nç `pO

)m6(\$'hB*19(f ¢ `OT" 4eY,{hfl,y3', & p--]â ¢,o†1fl]â "3•\$Ød&- Y`o†-iO O G'3')m" GØ \$Ød&pO

| | | | | |
|----------------------------|-----------------------|------------------------|--------------------------------|----------------------|
| 2 | 2 | 10 | 2 | 20 |
| o% hB6(IE',{-
3', \$éd& | %)½L@
GÇ3')m\$éd& | ! ³, L@
GÇ3')m\$éd& | ! ³, 'ÜLELĪ^i
eY,{OÛ* \$éd& | ! ³, 3'Ü
"3-\$éd& |

4% +iH didi&ò



)')%



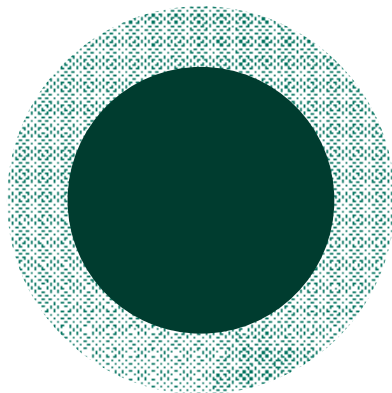
dO R'



,¥% P"



Z) X,z



!ØF



[|4,:f

%)%Lfı `OT361 Ym `^
A -m:Ø A e' C7L'A L'P/ 3•3P
M^ :Ø M^ DR ^ô- !U m; t& 5 c-]p

%)%5w eY,{& _Ø¾ N
-3•dİ M^ :Ø NF DB ^ô- !U m; t&

%)%LfıD İJ `OT+iH `^
A e' C7L'A)')% 5o[%N ^ô- !U

o% G'3',
Z4" .

†!Bf,E@ 9 :,:)%
A e' +ı 3V C7L'A)')% \4 AÉ
) ? G 5U5\$jÉ 5o[%N 5o-¾, ^Ø ,z
[E†: 5 4E | 5 d`z ^ô- !U m; t&
Z)-HÜ İ, O- Rjby!v

%)%Lfı `OT361 Ym eY,{f Di `^
9â3•]÷ 5U;1*° 5U İ 1% İU X 3•)

%)% G eY,{GØm& _Ø¾ N
/nB:)'_Ø -'A A 5 A, 5 c-]p

! †)mN
+ı 3V 5U5\$jÉ

GØ ^ı "3• `OT1f]jâYm 4eY,{GØ
"3•f ¢ `OT
C7L'A

3'N,^ı3• L- G' `OT
A *:(& ^ô- !U m; t&

3'N,^ı[ı L- G' `OT
İ . A

! †, D İJ `OT+iH `^
A e')')% 5o-¾, ^Ø ,z b,HØ¢
İ,4 :—

! †, p hß "Ym p 5w `OT
5U5\$jÉ

! †, p hß "Ym p 3')m" ,
'a" -A 5 4E |

! †, p hß "Ym p eY,{OÛ `OT
A Bc C7!U*÷ /nB:

! †, `OTYm f Di `^
hs16] A 3¶3 CLB} Y¿5İ -' &
5U;1*° 5U (n 5o4Z3ô)f B- 'a#)m
NŁ •)W [|4Zf V 6 6 hß Qø 5 A`
5 İ— Z4 4o

! †, GØ 3•4&
A 4 :¢ A e' "Pz"" ; -' (|
]¢;1 | 5 A, dO)_GE ^:?) M")"
5)m D

④ fæ' < § l fæ') o\$Ød&

④ 3w)^#MGØ', \$Ød&

④ TØ [/ fO fæ'F !ØØd&

④ z < ..:B..\$ç)W1 1 !Ñ" = \$Ød&



④ IY□ O [KN äD<\$Ød&

④ !A%æØ M " 3@ep "3•\$Ød&

④ '.3w1uLæ(□)m\$Ød&



④ 3w)^LÖU g _ !Ø\ "3• 4-'

④ ; [@'.3w1u "3• 4-'

OT&



61

53GØ !



23

%)%Lfí ;H53GØ
!- Y^->À



23

! ‡, Lfi ;H53GØ
!- Y^->À



5

%)%Lfí
@ Py !- Y^->À



1

%)%Lfí53GØ !
M " 3@epYÜ-À

% hß6(l,.,{- 3', \$Ød&nç 1o‡! ‡, Lfi G`
3')m\$Ød&nç 1o‡ ‡hß6(G`53GØN,`\$Ød&nç 1o~
l^ ! ‡, hßP)m6(3')m" , nijn'" o~! ‡, hß
IP)m6(eY,{3')m" , nç `o~! ‡, hß*19("3• "
!`OT361 Y± 3')m" , nç `o~! ‡hß6(G`53
GØ¥h 3')m1 * 3', nç `oQ³B'N,^i13 O 3•
+iGØ H})¥[üf Di nç f o~ Q³B'N,^ig O 3•3 GØ
F H} 3@ep)¥[üf Di nç f o~ l^ %)%)%Lfí `OT&
8(- "3•)¥h !A nç 1o‡%)%)%Lfí'.)mC&6(')¥[ü3'
N,& %7 nç 1o‡! ‡hßP)m6(GAQ ..6("3•)¥[ü
& %7- Y`!\ T nç 1pO

)m6(† l1fl]â3'N,3')mM " 3@ep" `OT&
Z =5A = "3•pOnçn n nç ,{o‡)m6(%/ o% 4u^!hß6(
53GØ')m+i c::,zY, 7 4Q¾ G`o¥ nçn nçn ,{ o|)m
6("6 fl `OT& "3•VS flY± o‡1fl]âŁ.vO 56
3'N,3')m;†,U " o‡\$BLÛ%)%o" g _ _Ô!Ø\O
Cle :l o| 1'K) «!—U " p-OÛ "3•D `OT& 3•
8(- pO

%)%LfITaOæ E&)¥h 3')m 4-°oüf Dioý

LÖUIαB TaOæ E&)¥h 3')m 4-°
§\$qYôææ Ł!p<°:Ø\$oY~Yα!Ñ C/TaOæ E&)¥h
4-°

(')mC&GØmF H} " !VS fIYα f Di

nçn nçni,{ p nçn nçnE,{HÖ nçnαn§ f
%)%Lfif Di ni;nçn f
! ‡, Lfif Di ni;nfn§ f

%)%Lf(')mC&6(')¥[ü'N,& %7

! ‡+i#M'.)m p ! ‡'O O;~g J~g 3 5 dW slÿ+i
H)¥[ü'N, 4-°

! ‡hßP)m6(GAQ ..6("3•)¥[ü& %7

"/ '2·6("3•)¥[ü& %7
fæ'J `OT& "3•)¥[ü& %7

● O 6)m)W%/I3IH *Q p 1 O 5vp 4% '.)mC& " !Yα Hä[b 42_- _Ø] ni f p-bý] ni f p-bª] n/f
g 9(1n- o% Nª5v

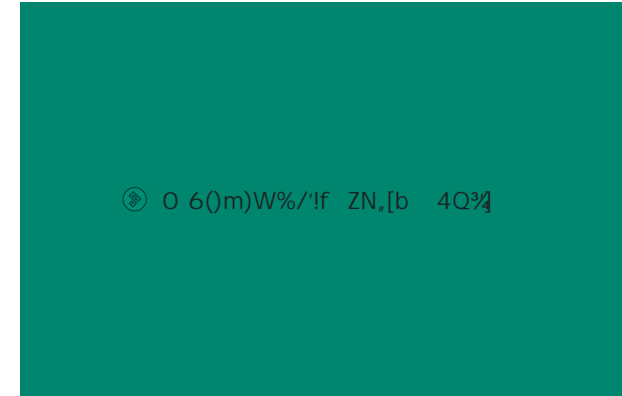
●)m6(p OBEi)m& p - f)mC&6C@pOBEi

●)m6(EVS3'N,3')m.\$æ'.)m g'.YfiY'

●)m6(EVS53GØ&9Ü! GC

●)m6(L,L,Z H .\$3F .\$3FZ H G'3', Y,^

●)m6(- *ld" 4- 5&52N YÜ



● O 6)m)W%/!f ZN,[b 4Q³



GØmF H}

)m6(K.Oj%)%" g _ _ÔO Cle :lo†Gö5 1fl flei" !A%æ VS !LÖU- Y GE !!Ø\D
GØ +ì co†%/, C/F H}p-hß•O 56!Ñ} fi !! IP3Àei!Ý !ö#EO LöpO

)m6(A•5 n¢ 1%)%Lf16`;R 4-`p-nj 1%)%+iH F H} 4-` o~ Oi5 GØ ^i 4% p \$1 '.N["
)¥h)«p-A¶ ä`i_Ô-À)¥h)«p-! †, hß`* 4-`p-! †, _Ô-À)¥h)«p-! †, "øGEF H}&
%7IP n¢n 1_ÔV E ^iLfiGØ ,zl:~ n;n¥ 1E ^iLfiVS !!V !GØ ,zl:pO

☹)\% di&öQ%)%GØ]â9l IP]

☹] 3 oü+foý-5o! ,oüæoyQ%)%GØ]â9l IP]

)m6(ìl3 !\ TQ¼ %)%o 56!Ø IP'] n;f o†
%)%GØ]â9l IP'] n/f pO ,{5lo†)m6(xQ% %)%
_Ô-ÀF !Ø¤ f Di n\$ f o†Z f n¢n¥ f o%)%GE !GØm
& _Ø Di n¤nf f o† } 4_Ôf Di n/f o†_Ô-ÀF Di nf f o`
%)%Oæ?=GØm& _Ø Di n¢nEn f o† } 4_Ô-ÀF Di nE f
eYf Di nE f oQ% ! †, GØ _Ô.f Di n;f o! †
GE !GØm& _Ø Di nfnE f o† } 4_Ô.f Di n;f o†_Ô-À
f Di n\$ f o! †Oæ?=GØm& _Ø Di nfn\$ f o`3'N, ^i`
3 GEGØ Di n¢n¥ f pO

,{5lo†)m6(xQ% 5J!Ø O n\$ n¢nE f o†)¥C/3•
% O n\$ n\$ f o` @O)m56R^ c nEn n¤ ^i o!Ø/o)m56
n'nEn/n'l_o† } 4 !AY`3 n¥n n n¤ l_o`ìl3 !\ TQ¼
E ^iLfiGØ '] , n;n¢ f o`n¢n n¢nE ,{GØ f Di 7[-LÖQ
n;jo`n¤nE ` JpO

)m6(B ¥D)m56 @poH †+i#M'.)m)mO<o, GE !
GØm@O o`oßA o% 43 6?-`5& " 43 GE !GØm- 3
K)- 3w1u, o, _ _ /o`5l< 5& oøP 4% &X3 oß"
""GØmO 56)mO<oßA o% 43 6?-`5& " 4% GØm-
3 3w1u, o, _ _ o`5l< 5& oøHæGØmO 56)mO<oß/1
/ 3w1u, 3=-\p0 @p)m56@ PyjE4 o†[/_Ö - o†!9(
Q%4pO



| | | |
|------|---|---------------------------|
| 2022 | ;;...:Å&fl" NýJ I+iH , C/ zc50 56 |]çG' w] +iGØm +iH)mdi |
| 2022 | &¥5W =^'hf17 I\$06•D [/_Öfi =!Ñ`Y¤ ! F H} | Eœ3 'O Y¤l 5A `+i4 O)mdi |
| 2022 | & d G`Y¤l D , %A B ZfÖp!A• f YmF H} | eð-ç4 Y¤l 5A `+i4 O)mdi |
| 2022 | %7B 6 -pfi""@ PyfÖz""[/1 1 1 LÅ85 - |)'_Ø fæ" l,3%mdi |
| 2020 | JpfæBW :h5Ú@p:h5Ú,zY, pÑÖpf Ym | _Øm:Ø Y¤l 5A `+i4 O)mdi |
| 2020 | C&B% %E3=d"]_H Oâ DØRf Ym Q Ö'! O 56Vl'
F !Ø | -'4 e9] +iGØm +iH)mdi |
| 2019 | l,;i@ Py_x!kl(N ="") o \$+i , C/GAQ F H} | -' 3V fæ" l,3%mdi |
| 2019 | 5 5A% %EH fl- N<3 ! O < 1x/ '! O 56Vl' | [E B] +iGØm +iH)mdi |
| 2019 | 'Læ >¿>°fæ" \$+i],H fæ" < \$ I ÖÖ&¥300 56F !Ø | % Qj fæ" l,3%mdi |
| 2019 | fæ":h5Ú@pfÖp LfiY, p6M5%o ZK 4 O F +f Ym8(% | |

di^iY~Mu

4

)m^i

LÖa)m^i

] +i fæ)m^i

3w1uGØm ^+i4 O)m^i

^3 GEGØm^i

10

)mdi

LÖU)mdi

#M)mdi

fæ` l,3)mdi

] +iGØm +iH)mdi

3w)m Læa)m^i

Yai 5A ^+i4 O)mdioüMXL^H cß) o)mdioy

:Ümdi

hs R.\$ B P)mdi

YöX '2-)mdi

Y^Ya P 56)mdi

1

3`)m^i

ZN,3)m^i

)m6('Ö~%a1 5 a'.*Gp-3@ep "3•o†
3-Z 3{ ! di^iY~Muo†A•Y~ n/ 1)m^io†"2 n;n
1)mdip-n; 13')m^ip-nE 1 mdio†\$9I-iO p m
di =p ^OT& ZK L,L_5%o5 o†"3• ^OT& p-
3')mGØ p-GE !5 a" 3 ! 'O D Z =5A =o†
)¥1fl fl J ¥)mM " 3@epo† oei1fl]âhß;
,zF H}% '.)m- Y~pO

LÖ)mdi

Y LÖ)mdip-#M)mdip-3w)^ mdi

LÖ)mdi

LÖ)mdi[~< !f! ‡#M)mdi#M !LÖUK o†Oæ n;n'nfn ,{- 'Oâ3=53G&pOn;n'n'n;,{O A o% g O F\&)m T1 5J\ To;n;n'n'n\$,(V†Fu)j A!f% [?4 ^i_Ö)AmGØ\ TpOnçn n;n, {, C/LÖU)mQ% Lfi)m G&Ø)m T1 5J>À†nçn n;n' ,{Q% , C/LÖU)m!a&ö' GØ ;H fIHà†, C/LÖU)m I^ ! ‡hß(hß^*)m GØO, C/LÖU)mp- fi !LÖU)m A! ‡, _Ö)À Y) mGØO)mdiA•5 n;n 153GØ !o† } 4LÖU)mp-[? 4 LÖUp_Ø)mp_Ø +iH Q%)%Lfi ;H53GØ !o†% dLLÖU [?4 p- ädp)mp-()3F)m !Q% ! ‡, ;H53GØ !o†3w)^LÖUp_Ø GØ A3• { !pOÖi5 , C/LÖU)m Lfi)mGØ&Ø)m T1 5J>À† nç 1 Lfi)mGØF\&ö>A' n;nE 1 Lfi)mGØ F\&)m T>Àn¥ 1 !F\&)m T>ÀpOA•5 53p-F\p-!a%/6()m C&nEn n n ' `pO)mdiÖi5 g _ #M[?Ö\F H)dip- 4% N_Ø F H)dip-3F,ELÖ3OI=B F H)dip-3•#M !LÖUF H)dip-3w)^LÖUF H)dip- h5X16 {F H)diiPE ^iLfi" 6(LfiGØ 5A5 pOÖi5 %)%Lfi)¥h 3')m GAQ 4-" %)%LfiTaOæ E&)¥h 3')m 4-`pOA•5 3'NS+i n;n\$nc `o† 3', n;n'n\$ `o† } 43'1 nçn¥ `p- v3'1 nfn¥ `p-Y,, n/nf `o†, [Kla&ö' n¥ `o%)%5weYp-c :f)mN p- `Y¥ IP%)%Lfi `OT `o† 3'N,^i3'1 'Ü_ nç `o†c %ÖmN n; `o†! ‡, 3• L-D !J `OT+iH n; `p-! ‡, 3')m" , nç `pO

#M)mdi

#M)mdi ~5 53GØF\&ö' la&ö) 3{D #MGØ`OT& ZK pOOæ n;n'nfn ,{- 'Oâ3=53G&p-n;n'n'n/,{ Oâ3=F\&öC&p-nçn n n /,{- 'Ö & !a&öC&pOA•5 +i#MI=B Lfi)mGØ&Ø)m T1 5J>Àn; 1o†n¥ 1 Lfi)mGØ 1 5J>À' n/ 1 !F\&öi 5J>Ào~!Y¥)mp-+i#MI=B p-) ‡!B p-, %AR,c p- `ç[K< lB p-@p;HI¥ B p-3!<?lB n\$ 1%)%Lfi" ! ‡, ;H53GØ !pOnçn n;n, {+i#MI=B)mGØ% ! ‡, g O hß^*)m GØ†46#6 " 3yQ% o% 3'N,K LæO]â" Z" o% hß(l,,- 3', \$Ød& +.G=þD)mGØd&pO+Ø & 53G&nçn n n n ' `o†F\&öC&nEn n n ' `o†la&öC&n;n n¥ `o†& 58 PN p-li-mp-)fOsp-q5 5 p- dÞP5w 6(!ÖO)mdi Y`4 O () !p-L,L,lB p-3w)^]R, nE 1)mK o†, [K ç_Ö, !o†Öi5 3' , n;n'nç " o† } 43'1 nEn" " p-la&öC&* , nçn" o% ‡di@ 9 ;[;)%nç " o†3'N,^ieY,{c :f)mN n; " o†E ^iLfi5 H [(A5)%nç " o†()]3F^i !Y¥")%nE " o†3'N,^i3• L- G' `OT nç " o†! ‡, 3')m " , n¥" pO)mGØ 3- "3•o†5 ‡g _ " VS !!Ø\o†1x ,]5 - [KN () ¥ % 5 [K filB p-; [@ '3w1u dy#5lB IPB Y" , C/ ZK pO

Y fæ l,3)mdip-] +iGØm +iH)mdip-!E& mdi

fæ l,3)mdi

fæ l,3)mdi[~< !f! ‡] +i !)mdi fæGØm +iH !a&ö' GØ ;H fIHàpO)mdiA•5 3' n;n'n¥n¥,{ "- D !Ø|+iH !o†nçn n;n' ,{ n/5 9jNS+i n;nfn' `o† 3', n;nEn `o† } 43'1 n/nf `o† L_- O HÖfæ l,3)mdipOA•5 fæGØm +i v3'1 n¥n/ `o†A•5 %)%Lfi `OTY¥ I^ N n;n H p-fæ[/_Ö) op-fæR, l,3p_ _Y+i `9(o† } 4! "2 4% +iH didi&öni `o†%)%5w H p-g 3 g J`O 56 +iH 153GØ !o† } 4fæ eY,{GØm&_Ø% N n; `o†%)%hß^19(`OT@ 9 ""GØm +iH p-fæ[/_Ö) o" _ _Y+iH 1 361 Y¥ `OT n\$ `o†%)%LfiD !J `OT+iH ^ ! A3'N,^i%)%Lfi ;H53GØ !- Y>À†fæ n/ `o%)% G'eY,{GØm&_Ø% N n/ `o†3'N, GØm +iH " fæ[/_Ö) o + 1 !^! 4% ^i%)%_Ö `OT+iH öeY,()mN öyn; `IPpOnçn nçnf +iH 3'N, !Y«Y`o†9k' fæGØm +iH !^! ,{]vGØ CS ;H)mGØ " 4o†fæGØm +iH)m] / & fp- / k & i _ f% dL !Y«Y`pOÖi5 fæGØmCSI3 n;n T o]â! _ / E !GØmf %æo +iH Lfi)mGØ&Ø)m T1 5J>À†fæGØm +i B 5A5 1 " T n; pO H p-C&@p !BQv Lfi)mGØF\&ö)m T1 5J>À† i!N

] +iGØm +iH)mdi

] +iGØm +iH)mdi46%/!f! ‡] +i !)mdi)mdiGØ)¥h 5h ý [o† !æ\$OY` mW oot, ! +iK ö;n;n'n¥n¥,{O HÖyD & FG !Ø\N 5lpOÖK ç_Ö, !pOA•5 3'NS+i nçnçn/ `o† } 4 3' 5] +iO 56 +iH Lfi)mGØ&Ø)m T1 5J>Ào] , n;n'n/ `o†3'1 n¥n¥ `p- v3'1 n'n/ `o†la&öC +iO 56 +iH p-!)m+iH O 56p-A¶& GØm +i * , n¥n; `o` 4% +iH didi&öne `oü'2!Ö_n_di&ö H p-5W3 GØm +iH p-!)m n¥ 1 Lfi)mGØnY`o† NS3'1 n; `o† t!P% ‡di@ 9 ;[;)% 5 !' ""O 56 +iH p-A¶& +iH p-hß)W5W3 nç `p-%)% G'eY,{GØm&_Ø% N n; `o5 Q% +iH p- fO 5W3 p-C&@p+iH p-, C/)mp-C&@p%)%O 56!Ø IP] n; f p-%)%LfiGØ]â! IP 56p-!)m n¥ 153GØ !o† } 4o†! ' ""O 56 ']n/f p-p \6 \OGØm O 56 "3•]p n; f o1 +iH pA¶& +iH phß)W5W3 +iH !Q% p % *)mC&%/ p 1 O 5vp o% ').mC&Z ')m56GØ c)% ;H53GØ !- Y>Àp o†A¶& +iH !^! 4 ""Hä[b" 4% ').mC& " !Y¥ Hä[b 4Q% %)%Lfi % +iH 3'N, !Y«Y`pOA•5)mC&nçn¥nfnf `o†@ IP]pO 53GØ&n;nfn;n `oF H)C&n'n¥nf `oüa&öC&nçn¥n `o†O

Υαί 5A `+ì4 O)mdioüMXLªH cβ) o)mdioý

YôX '2.)mdi

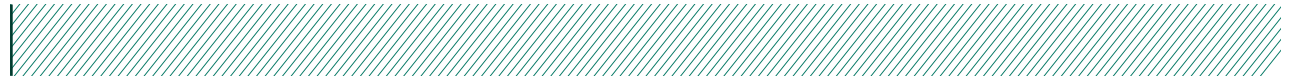
YôX '2.)mdi Y-3•d K p-, "OK p-PIYôK p-.)mPIYô3')m^iöü\$â.3')m\$Ød& o`p-* YôGÔ')m
 ^ip- 43 3'F)«p- D f / 3'N,, 4-`p- 3'fB ^i" YôX)¥h)«IP5A5 pOA•5 3•d)mp-, "Q)mp-#M PPIYôp-
 W Aô@Yô\$â 153GØ !pO3•d)m !46%)%o ;H !- Y`>Àp-! ‡, @ Py !o‡#M PPIYô !46! ‡
 , ;H !- Y`>Àp-! ‡, "Q)m !46! ‡, ""@S !pO0i5 3•d '2.)m Lfi)mGØ\&ò>Àp-% dL:Û#MPIYô
)m56F\&ð 3•d '2.p-N YØ+ 1 !)m TF\&ò>Àp-! ‡ 43•d '2.)m46)m6(_Ô-À)mGØ†& LÛJ3•d p-
 ""@S '2-IPf %æ hÛI9(ci `OTo‡N YØ ! nçn nçn, { !)m T3'N,,Y, 7 4Q% , p @ PyjE4 p G:‡p‡
 !Ý Pv' D GE IM X ,pO10œnçn nçnE,{nçnç 5 %/6(53GØ&n'n¥n¥ `oF H)C&nçn n' `pOA•5 3'NS"_+i nçn n' `o‡
 } 4 3', n'n¥ `o‡"23'1 nçn `o‡ v3'1 nçn' `o‡Y,, n¥n/ `o‡ °3' nçn `o‡' JT)%o3', nçn `pO)mdi
]N_Yp O % Ei")mN Oì)',fi3'1 " 6(* , pO]Q(5lo‡)mdi 3', !Ø)o)m56Y`3 n'n¥n 'l!o‡
 Q% %)%oLfIE ^iLfiz f n¥n `f pO

Y-Yα P 56)mdi

Y-Yα P 56)mdiC8!f '(Y-Yα)mdiY-YαK p-3w)^(ZP 56K " !f ZN,, P 563')m^iP 563'F
)«" ,)_Ô_0 H(ØO)mdi ¥)m! !ø!ô^ <¶Oœ nçn'n'n',{+i !Y-Yα !" M N,,F H)}« " ¥pOA•5 3'NS+i nfn¥
 `o‡ } 4 3', n¥nçn `pO3'1 nE `o‡ v3'1 nçnç `o‡Y,, nçnf `pO)mdiY-5 p Y-Yα !oü !œF
 nçnEn¥n\$oy)m TF\&ò>Àp-! ‡ fi""5 P Y-Yαp-""@SY-Yαp-3w)^(ZY-YαIPf %æ D "3•, C/' " % `OTpO
 53GØ`5 3w)^(ZP 56K p-Y-YαK p-P 563'F)«")¥h 4-°IP3')mp-3'] 5A5 o‡Oì5 3w)^(ZP 56p-
 fi""Y-Yαp-W`W— ']-Y-Yαp-+i !Y-Yα n/ 153GØ !o‡ } 43w)^(ZP 56p- fi""Y-Yαp-W`W— ']-Y-Yα
 ! A p ! ‡, ;H !p pO)mdi)¥h 4-°46 p ! ‡,)¥[ü3')mGAQ 4-°p o‡Y-5 2K-x+i c)«p-TaOæ
 = 2! p- \$MX!w >+i c)«p-lw >5W3 +i c)«p-W`f)¥h)«p-eœf)¥h)«p-8(%)¥h)«p-d)P)¥h)«p-
 LB fICB)¥h)«p- fICB " c)¥h)«p-Q 5E5AOFp- X 5AOF" 'O PCB)«p-& FG)¥h)«IPpOPv' D]vFs
 ýY-3`<L["3•d M] p-, "Q = cp- fi""Y-Yαp-W`W— ']-Y-Yαp-3w)^(ZY-YαIP!GÔ¥[ü3')me W pO

ZN,,3')m^i

BW O Oì o6()mC&D s x ZN,,Z 3')mp-GØ P o~ [&[* o6(ZN,,+i cD =)i")¥3` oL_L_O ¥
)m6(]x fl !p)mC& ZN,,B flIP o~ " 3ý[&[*]m6()mC&]x fld&D lB pY.L`p9Ûb i!ÑZN,,%Ag M " lB p-
 o6(53GØ& Z[/ l,RYÛP+i cpOA• Y` nE 1 ZN,,3'F)«p;nçn 1M " ¥ s)«p;nçn 1)mC& Z[/RYÛ4-°pO
 A•5 3'NS+i nEnçn `o‡} 4 3', nEnçn `o‡v3'1 nçn/ `o‡Y,, nçnç `o~]x fl l* nçn `p% dLLfIV` + nçn `p-
 %)%oLfIV` + n' `pO



3w)^#MGØ¥[ü3')m 4-° nçn nçnE,{O HÔ†3i%/-iO 4% hÛ6(#MGØw)^!]s% D ! +i#M8(
 !N3•#MGØ`OT& [/_Ô† Ag _ LÛU!Ø\ ^ hÛ[/_Ô`OTpO515IYα - O o% f OD !öW"! p-: ;
 - 3w)^#MGØ¥[ü3')m x t)¥h)«!Ñz!÷o- !Øw)^#MGØ¥[ü Z H p-3'5W" 3')m8(- o`"- 3w)^#M
 GØ"3•)¥h Aô†&X^'- 3E- p-[6^!- 3w)^#MGØ`OT& 8(- o- O o% g)%o hÛ6(3w)^#M !!a@pg c
 OZ^' '2. 'O G`#M !3 !D _ÔW] Z o- Y` o% g 13w)^#MGØO 6 "o‡- ¥ p 3w)^#MGØO
 'Y,,& p oO HÔo% hÛ6(3w)^#MGØ')mN[DaPpO

] +ifæ'J & FGZ)¥h 3')m 4-° nçn nçnE,{O HÔ†ei" g _ %)%oLÛUGE !!Ø\o‡RD)¥HÔ%
 `6@53 P o‡ /O_hÛ[/_ÔmGØ !- Y`o‡'6)¥ !& FG `OT& o‡<L["] +iGØm +iH)mdip-fæ'
 l,3)mdiD & FG)¥h 3')me :lo‡A'.)mC&Hå[b;B fl1xç5 ç361 pO 4-°* §-ò- Y`O AlB W_Q p-
]\SH:;)D)¥h 3')m 4-°o‡ A)m6(- Y`hÛ;:zF H)% '.)m1xç362 pO

% dL! ' ""')mdi i g]Øz3•3ý ÇE 4% @ PyGE ! B P.\$œ A1 * o‡1 ?n)m6(D 3{ Z^iMyo‡3{" GE
 ![K< o‡5 - 3F fi)mF D 3•% ¥)m8(- o‡ §-A! ' ""GØ O 5E]s! fi !! o`i3w)^! ' "" A6?`
 ;...')¥O 6(%/! ' ""f %æ)m56%7 To‡- f VS ! "3•!Ø\ o- HÔ ' "")¥[ü3')mD o fi !c & Y-
 ,z!÷o‡1xhÛ`OT& D [/_Ô *8 !:;:z o`i p M DLÛUhÛ[/_ÔØ\ " % dL! ' ""hÛH) m56Y`%bp OZ
 ^hÛI9(% ' «;H,z!÷o‡ oei1xNO 6(%/% dL! ' ""f %æ Ei" ,pO

¥)m5h ý

)m6(%7B TMu [o†6(\$ôA¶& M o†0i5 Pv h" d#O [ö + 16(!Ao†.Blg%7eiGö n¶nE ,z3Äzo†.B- IXeiGön¥n'o`nEn ,z3Äzo†%)i[K fi.B C nEnjo`n/nj ~ JpO

% mg g P .BeiGönco`n¥ ,z3Äzo†g SÖ¿[/3 A5 n;n'nf ' pC<)W% m n;nfnC ' o† C<)W5& nCnçn' ' o†" J % C<)W[K< 3w1u, n;n nç 1pO

)m6(B fl5 ¶g _ p \$â 1 4-`p fO - Y;¶nç 5 o†)m6(- 6(i5!!\ Z5 '- IXPv h B6(LæW, +6(!A!Ø\); To†f O) O d#O [ö6(!A !A 5&3•- +iH ,fi3')mGØ 7 f Di) O 3`+i 3@^" Pv h B6(!A 5&IP! †, _ÔÀ+iH - Y`f)ÀpO Dio† §-ò1fl]âPv h B6(!A 5&+iH - Y" 3•-)m nçn nçnç ,(o†)m6(- O n;njnç cB4 /n3')«o- C&)~P f DipO o^i53GØs x3')«4 /n! p05 - 4 /n3')m Z! nçn n;n' ,(n¶ 5 o†Pv h B6(!A 5&3•- n/o`nç 4C0¥)m g,zl:o†- O 3w)^515l 4-`Fs ýA¶& pO Ñ ,z3Äz)mC&)~P 7 HCE+i,)O l C/o¥ nçn nçn3i,¶n+i#Mo† ¥)mH cB5 'OU\o† ¥)m5h ý4ER^ 5 o†Pv h B6(!A 5&3•- njo`nfn ,z3Äz)mC&#e o†Pv h B6(!ALHP, Cc-o†d#O [ö6(!A? ?= & ")mC&;B fl 4-`7) HCE+i,)O l C/o¥ nçn3nç /n6(\$ô- Y`3iP) # pO



Pv h B6(IA ,fi3)mGØ 7



Pv h B6(IA 5&- Y~



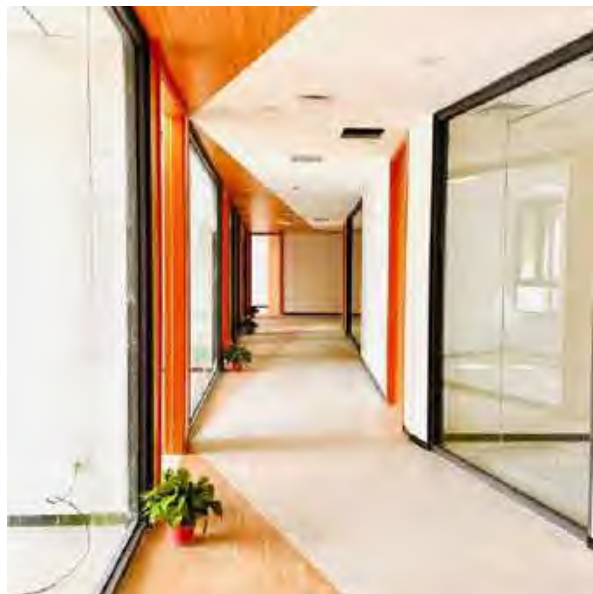
3w)^515I 4-~



4 /n3)'«



)m6(6!øg



¥ s7 A¶&



U " (Z3)m 4-~



4 I¶1fiYÜh & %7

fO ' C/3')mH cß



3')m7 A¶&

)m56O:'Q!

Pv h B6(IA Y~3~

C<-x!



Pv h B6(IA Y~3~

fæ" I,3)mdifÖz 5 æ\$ø)«

% dL «;H

)m6(@i% 6 H0% dL! ¥)mB -ü† i5 ðg _ % dL «- 4-°- Y-
")m6(p !Ó ;Hp "- A3À" o†Gö5 1fl fl ;~' ;Hdi6(p-)m565A5
- *\)¥[/.D «;H " co†- OÚ% dL «;H" cf %æ† x- % dL «;H
,z!÷o† §'.% dLGØ " c ¢,o†1×N)mdi" 3', d& % dL! ::,z"
&÷X o†& ~5 % dLHå ¢D OÛ "3• `OTo† `]â)m6(% dL! - Y-
[i[- !Ø\pO

)m6(Gö5 OÚ\% dL «;H «- H cBo†5 ð%)%o' «" g _ % dL «
- 4-°- Y-pODı T nEn¢ 1%)%o" %7!AD nŞnf 1hß6(" GØ 5A5 - H0
6(dL" c zK o† o3ÀTp-!*I9(p-5 _Ô-À%7- *\% dL «;H" cpOGö
5)¥3~ p C')m! +i#Mp VS flYð o†1×hß5!!UC')mC&& *I9(" 3'N,[/
_Ö†5 - ~5 Hå ¢D % dL)mC&3'N," 5 ð ZK pOEG ¢24- 3', %



32

%)%o" %7!A



76

hß6(" GØ 5A5

)m6(Gö5 "Ô %)%o p ,- [öp (Yµ†1fl]â p ,- [öp :
L~%)%oLÖUGØ D U " !Ø\o†- OÚ % dLL,L,O N[Dæ «;H "
co† 5Ø%Ûip-hs5IW ;IP%)%oD hß6(" GØ 5A5 - *\;†," co†
]âLô r,{ E ¥ p ,- [öp 4+BGØ LÖU" c)m56Y`%bo† i9k
A,z!÷o†° ¢ p ,- [öp %)%oD LÖU!Ø\p-«;H '{p-" c x[ipO

)m6(_ÖV" <6="!÷%7!Ahß6(D 3'N, «;H " cpO O" g <6
; !'.)mp-*!^'.)mp-="ciGØ '.)mp-!÷< 6 -3GØ '.)mIP<6="!
!÷%7!AD hß6(%/, C& «;H" GØmF H}IP3Àei- *\Dÿ z" co†Oæ
n¢n n¢n\,[-ei" <6="!÷%7!AOâ3=53GØmC&5l6()m g «;Ho† 3· °]â
)m6(<6="!÷hß6(D «;H «- pO



● 5ø%Ûî_øÀ) %o'.)ml My6(dL" c!VYµ†
I' x- 45ó#M)mdi

● *.!^'.)m ÆVo\$ØY~ciO 6(



Ⓢ Y~ci="cīGøø '.)m



● C')mC&%/)¥h)«



● % dL)mC&IÉVÉ4 z5X #!NGøø \$ó

● O 6()m)W[(@b;'.)m «H)m g

●)m6(' 3' A)m)W óI Z



Ⓢ

● I3 r*Q 4+BGøø LÖÜ" cY`%b





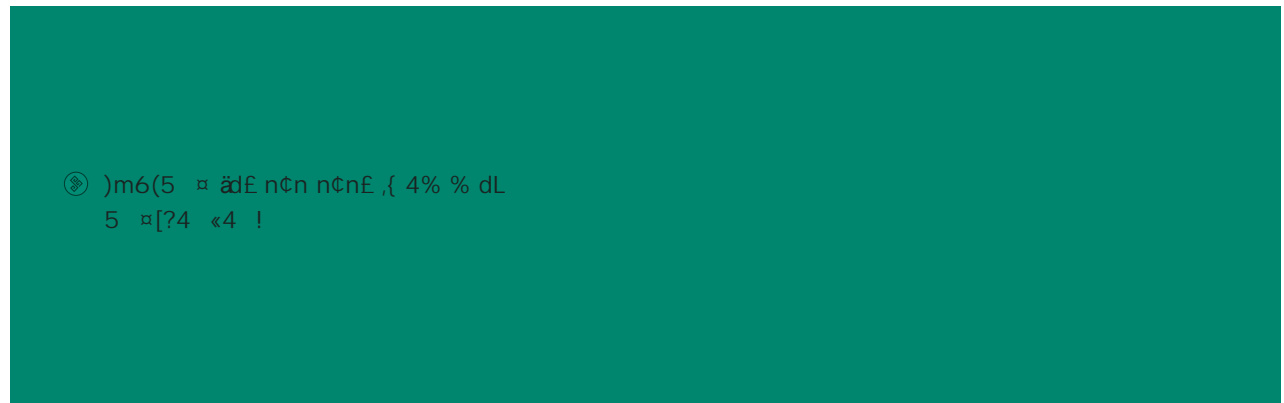
④)m6(EVSL--ü p o dp]xfl
n ɱn ɱ "o,{4fl nçn nçnçp nçn nçnE)m,{)mC&
Vo-w'.!



④)m6(-Ɂ'FN 5 ɱ! † nçn nçnç,{
†!!" †9'!!



④ p :IE&p Hâ)mC&GEIA- O ,)O I C/



④)m6(5 ɱ ädE nçn nçnE,{ 4% % dL
5 ɱ[?4 «4 !



④)m6(E ¥F H)C&)m563 ! P p)m56 R4&p Y,^ !ÑVo-④)m6(O H)QmC&B Y`GE\$Ø p)m.\$GEP

④)m6(E ¥ †! "o,{L--ü. !4fl6(g " c"6 fl æ- ④)m6(nçn nçnE,{ p eY,{5 ɱ%)%op 4 5&GE !)¥[ü - ' .!



④)m6(EVS, Gd 4% x fl aO HÒ
nɿn n "o,{_Ô ɱ BLÛVo-w4fl
a!ø)m g3'N, Bf)"Y, !

