



United Nations  
Scientific and Cultural Organization

Organisation des Nations Unies pour l'éducation, la science et la culture

Organización de las Naciones Unidas para la Educación, la Ciencia y la Cultura

Организация Объединенных Наций по вопросам образования, науки и культуры

الأمم المتحدة منظمة للعلم والثقافة للتربية

聯合國教科文組織

J Z a g h h [j Z a b \_ n h j f d m e v l r  
k Z f h \ u j Z ` \_ g b y

4 CP

CE/13/4.CP/Res.  
IZjb`14 bxgy

J Z k k u e Z \_ l k y i h k i b k d m

I m g d l i h \ k l d b ^ g y u [ h j u l j \_ ^ k \_ ^ Z l \_ e y h ^ g h ] h b e b g \_ k d h e v d b o a Z f \_ k l b l  
l j \_ ^ k \_ ^ Z l \_ e y b ^ h d e Z ^ q b d Z D h g n \_ j \_ g p b b m q Z k l g b d h \

J \_ a h e x p 4.CP 1

D h g n \_ j \_ g p b y m q Z k l g b d h \

1. b a [ b j Z \_ K Z f b j m : E m Z ( H f Z g

I mg d\ ih\ k l db ^ g y h de Z ^ D h f b \ h k \ h \_ c ^ \_ y l \_ e v g h k l b b j \_ r \_ g b \ y o i j \_ ^ k l e y \_ f u c D h g n \_ j \_ g p b b m q Z k l g b d h \

J\_a hexp 4.CP 6

D h g n \_ j \_ g p b y m q Z k l g b d h \

1. jZkkfhlij\_ ^hd mf @E/13/4.CP/6 b l j b e h ` \_g b \_ d g \_ fm
2. i j b g b f Z \_ l d k \ ^k \ b x j ` Z s b c k y \ mud Z a Z g \ g h d m f \_ g l \_ ^ h de Z ^ D h f b l \_ I Z h h k \ c ^ \_ y l \_ e v g h k l b b j \_ r \_ g b y o i j \_ ^ k l Z \ e y \_ f u c D h g j \_ g p b b m q Z k l g b d h \

I mg d\ ih\ k l db ^ g y h de Z ^ K \_ d j \_ I Z j b Z I Z h k \ h \_ c ^ \_ y l \_ e v g h k l b

J\_a hexp 4.CP 7

D h g n \_ j \_ g p b y m q Z k l g b d h \

1. jZkkfhlij\_ ^hd mf @E/13/4.CP/7 b l j b e h ` \_g b y d g \_ fm
2. i j b g b f Z \_ l d k \ b x i j ^k l Z \ e \_ g g u c D h g n \_ j \_ g p b b m q Z k l g b d h \ ^h d K \_ d j \_ I Z j b Z I Z h \_ j h ^ \_ y l \_ e v g h k l b a Z i \_ j b ] h ^ -
3. i j ^ e Z I Z \_ d Z ^ h f m m q Z k l g b d m h i j ^ \_ e b l v g Z b [ h e \_ \_ Z i h ^ o h ^ y s b o g b a f i h ^ ^ \_ j ^ d b f \_ j h i j b y l b c h k m s \_ k l \ e y \_ f u o K \_ d R I Z j b Z I h f \ d \ Z j l b j \_ b g Z f \_ k l \ b e \_ g g u o j m d h \ h ^ y s b f b h j ] Z g Z f b \ d Z q k l \ i j b h j b l \_ l g u o ^ e y h k m s \_ k l \ e \_ g b y D h g \ g p b b g Z k l j Z g h \ h f r
4. i j b a g Z \_ l q l h k e \_ ^ m x s b \_ f \_ j h i j b y l b y i \_ j \ h k l \_ i \_ g g h \_ a g Z q g b ^ e y h k m s \_ k l \ e \_ g b y D h g \ g p b b b q l h k j g ^ k l \ h ^ b f u b o h k m s \_ k l \ e \_ g b y g u [ u l v \ u ^ \_ e \_ g u \ i j b h j b l \_ l g h f i h j y ^ d \_ g k f h l j y g Z k e h ^ b \ r n b l g Z g k h \ h \_ i h e h ^ \_ g b \_  
x m k l Z \ g u \_ f \_ j h i j b y l b y  
x k b k l \_ f Z m i j Z \ e \_ g b y a g Z g b y f b  
x f \_ j h i j b y l b y i h i h \ u r \_ g b x i h l \_ g p b Z e Z;  
x i j b \ e \_ q \_ g b \_ k j ^ k l \ b k l j Z l \_ b y d h f f m g b d Z p b b ^ e y F N D J
5. i j ^ e Z I Z \_ = \_ g \_ j Z e v g \ h f j m \_ d l h j m h [ \_ k i \_ q \ b l h [ u k h ^ \_ j ^ Z s \_ k y \ i m g d l 4 \_ i h k e Z g \ b u e h i j ^ k l Z \ e \_ g h g Z j Z k k f h l j \_ g b \_ k i \_ p b Z e v g h c k b b B k i h e g b l \_ e v g h ] h k h f h f l Z g l h [ k m ^ \_ g b y i j b h j b l \_ l h \ l j h ] j Z f f u b [ x ^ \_ I Z X G ? K D H g \ 2012014(37 C/5);
6. i j h k b l K \_ d j \_ I Z j b Z l i j ^ k l Z \ b l g n \_ j \_ g p b b g Z i y l h c h q \_ j ^ g h c k \_ k k b b ^ h de Z ^ h k \ h \_ c ^ \_ y l \_ e v g h k l b a Z j l j b h ^ -

I mg d8 i h \ k l d b ^ g y h d e Z ^ K \_ d j \_ I Z j b Z I Z h F \_ ` ^ m g Z j h ^ g h f n h g ^ \_ d m e v l m j  
j Z a g h h [j Z a b y F D N J

J \_ a h e x p 4.CP 8

D h g n \_ j \_ g p b y m q Z k l g b d h \

1. j Z k k f h l j \ ^ h d m f l \_ g C E / 13 / 4 . C P / 8 b b g n h j f Z p b h g g u \_ ^ h d m f \_ g l u  
CE/13/4.CP/INF.5 h k l j Z l ] b b f h [ b e b a Z p b b k j ^ k l \ b d h f f m g b d Z p b  
CE/13/4.CP/INF.6 h i j h \ \_ ^ \_ g g h c K e m ` [ h c \ g m l j \_ g g ( I Q S ) g p ^ g h j Z  
d \_ i b e h l g h c n Z a u ^ \_ y l \_ e v g h k l b F N J D g Z j y ^ m k h Z g h \ e \_ g g h c  
p b \_ c h \ u i h e g \_ g b b j \_ d H O S g ^ Z p b c
2. i j b q b f Z l d k \ ^ d g Z k d b c h l q \_ l h f \_ j h i j b y l b y o b i h m o h ^ Z o h k  
s \_ k l \ e \_ g g u o \ o h ^ \_ i b e h l g h c n Z a u ^ \_ y l \_ e v g h k l b F N D J
3. i j b a g Z l q l h i j h ] j \_ k k ^ h k l b ] g m l u c \ o h ^ \_ i b e h l g h c h Z a u ^ \_ y l \_ e



6. Ijb mijZ\|e\_gbb FNDJ DhfbI\_l h[\_ki\_qb\|Z\_I q\|h[u bkihevah\|Zgb\_kj

6.1 kh\|\_k\|h\|h\|Zeh ijh]jZffguf b k\|jZI\_i]b\|q\|b\|d\|bZf m\|k\|Zgh\|e\_gbu\| Dhf l\|hf

6.2 h\|\_qZeh ih\|j\_[ghklyf b ijbhjbl\_lZf jZa\b\|Z[x\_sgb\_orkby\|b\|Z\|Zh]

6.3 kihkh[kl\h\|Zeh jZkrbj\_gbx khljm^g\|b\|q\|b\|KK\|A\|X\|X]

6.4 kihkh[kl\h\|Zeh ^h\|k\|b`\_gbx dh\|gdj\_lguo b m\|k\|h\|c\|q\|b\|uo\|k\|j\|ra\|h\|n\|j\|Z\|h\| b [jZamxs\_\|ha^ckl\|b\_\|h[eZk\|b d\|mev\|mju

6.5 h\|\_qZeh ijbgpbim h\|\_k\|\_ggh\|k\|b [\_g\_nbpbZjh\|

6.6 h\|\_qZeh ih f\_j\_\|hafh`ghk\|b ijbgpbim kijZ\|^eb\|h\|h ]\_h\|jZnbq\| e\_gby kj^k\|FNDJ b h\|^Z\|Zeh ijbhjbl\_l mqZk\|gb\|Z\|f\|v\|ad\|h\|Z\|f\|b\|kb\|s\|Zdg\| fb kj^k\|Zfb beb ihemqZeb bo f\_gvr\_\|jm]bo

6.7 h\|\_qZeh ijbgpbim nbGZgkh\|hc ih^h\|q\|gh\|k\|b dZd hgZ ih\|gbfZ\_lky aZpbb H[t^bg\_ggu GZpbc

6.8 h\|\_qZeh g\_h[oh^bfh\|b jZkoh^h\|Zgb\|y kj^k\|jeZ\|guf h[jZahf gZ ijbylby b \ fbgbfZevghc kl\_i\_gb gZ gZdeZ^gu\_ jZkoh^u dZd wlh mdZa

6.9 iha\heyeh ba[\`Ziv jZkiue\_gby j\_kmjkh\|beb hdZaZgb\|y ih^^\\_j`db\| jhijbylbyf

6.10 kihkh[kl\h\|Zeh h[\_ki\_q\_gbx ]\_g^\_jgh]h jZ\|gk\|Z

6.11 ihhsjyeh mqZk\|b\_ jZae\|b\|q\|guo kh\|pbZevguo ]jmii hij^g\|eg\|gb\|o \ kl\| jZfdZo kha^Zgb\|y ijhba\h\|k\|Z jZkijh\|jZg\|gb\|y je\|kaiZ\|p\|b\|be j\|q\|a\|b\|b\| j\|guo nh\|f d\|mev\|m\|j\|gh\|h kZf\|h\|ujZ\|g\|by

6.12 ^hihegyeh bkihevah\|Zgb\_ ^jm]bo f\_\|^mgZjh^guo nh\|g\|h\| qho\|Zlu\| gu\_ h[eZk\|b g\_ b\|k\|dex\|q\|Zy ijb wlhf \hafh`ghk\|b hdZaZgb\|y l\|f\|g\|h\|f\| ih\|h\|g\|hr\|g\|bb d\|h\|h\|juo [\|g\_nbpbZju m`\_ ihemq\|beb\|beb f\|h\|j\|mx\|l ii\|h\|f\|h\|n\|q\|b\|h\| v nb\|lj\|lvbo ebp

H[eZk\|b ^\_y\|\_evgh\|k\|b

7. Kj^k\|l\|Z \u^eyx\|ky gZ

7.1 Ijh\_d\|ugZijZ\|e\_ggu\_ gZ

7.1.1 \g^j\_gb\_ b\|beb jZajZ[h\|dm iheb\|bdb b k\|jZI\_]bc d\|h\|h\|ju\_ hdZau\|Zgh\_ \ebygb\_ gZ kha^Zgb\_ ijhba\h\|k\|h jZkij^e\_gb\_ b ^h\|k\|Zmigh\|k\|v jh\| mkem] b f\_jhijbylbc d\|mev\|m\|j\|gh\|h gZagZq\|gb\|y

7.1.2 mdj\_ie\_g\|th\|h\|\_l\|k\|l\|mxs\_c bgk\|b\|mpb\|hgZevghc \b\|gnjZ\|k\|jmd\|m\|j\|hc ke^m\|l ihgbfZiv ex[u\_]\|hkm^Zjk\|l\|g ijhn\_kkbhgZevgu\_ h\|jZgb\|aZpb\|hggu\_ k\|jmd\|m\|ju aZ b\|k\|dex\|q\|gb\|f\| jZ[h\|q\|b\|o ihf\_s\| k\|j\|h\|b\|l\|evk\|Z\|beb\|h\|k\|k\|Z\|gh\|e\|g\|by a^Zgb\|c \hafh`ghk\|b Z\|Zd\|\_ aZ\|d\|h\|g\|h\|Z\|ev\|g

<sup>2</sup> lh^ b\|gk\|b\|mpb\|hgZevghc b\|gnjZ\|k\|jmd\|m\|j\|hc ke^m\|l ihgbfZiv ex[u\_]\|hkm^Zjk\|l\|g ijhn\_kkbhgZevgu\_ h\|jZgb\|aZpb\|hggu\_ k\|jmd\|m\|ju aZ b\|k\|dex\|q\|gb\|f\| jZ[h\|q\|b\|o ihf\_s\| k\|j\|h\|b\|l\|evk\|Z\|beb\|h\|k\|k\|Z\|gh\|e\|g\|by a^Zgb\|c \hafh`ghk\|b Z\|Zd\|\_ aZ\|d\|h\|g\|h\|Z\|ev\|g

7.2 HdZaZgb\_ kh^\_ckl\by mqZklbx \ jZae bqguo f\_jhijbylbyo \ jZfdzo  
ml\j`^Z\_fh]h DhfbI\_lhf < jZfdzo lZdhc ihfhsb fh]ml nbgZgkbjh\Zlvky

7.2.1 jZkoh^u gZ mqZklb\_ ]hkm^Zjkl\gguo beb qZklguo h]ZgbaZpbcb  
jZa\b\Zboky kljZg ijb]eZrZ\_fuo DhfbI\_lhf gZ \_]h azk\_^Zgby ^ey ij\_^\nkm\Zpbcb ih dhgdj\_lguf \hjhkZf \ khl\lkl\bb kh kIZ\lv\_c Dhg\gp

7.2.2 jZkoh^u gZ mqZklb\_ \ azk\_^Zgbyo h]Zgh\ Dhg\gpbb ijZ\bl\_evk\gZbf\_g\_\ jZa\bljZ\ ky\eyxsboky qe\_gZfb DhfbI\_lZ dh\hju\_ ij\_^\kIZ\ykl\mxsmx ijhkv[m AZy\db gZ nbgZgkbjh\Zgb\_ ^he`guZa\p%àg c #i5O b





- \eZ^\_gb\_ Zg]ebckdbf beb njZgpmakdbf yaudhf b \_kezb \hafh  
gb\_ ^jmjh]h yaudZ

16.1 Kjhd iheghfqbc qe\_gh\ jjmiiu wdkijlh\ khkIZ\ey\_l q\_luj\_ ]h^Z <  
gby ij\_ fkl\ gghklb \ jZ[hl\_ iheghfhqbbay gbehijh\Zxly gZ ^\Z ]h^Z

16.2 R\_klv qe\_gh\ jjmiiu wdkijlh\ gZagZqZxl dhhj^bgZlhjZ ba k\h\_]h k

16.3 K\_dj\_lZjbZl hj]Zgbam\_l kh\ sZgb\_ jjmiiu wdkijlh\ \ lZjb`\_ h^bg j

16.4 =jmiiz wdkijlh\ hl\ qZ\_l aZ ih^]h\ dm\ h\h\bf\_ gj^Zpkbz\ey\lky D  
fb\ lm gZ jZkkfh\j\_gb\_ b \hafh`gh\_ ml\ j`^\_gb\_ Dh\h^bgZlhj ijb]eZr  
gmx k\_kkb\ x Dhfb\ lZ gZ dh\h\h c jZkkfZljb\Zxly ijh\_dlu j\_dkf\_g^h\Z  
i\_jlh\

16.5 >hkv\_ dZ`^h]h ijh\_d\Z hp\_gb\Z\_lky ^\m\k\i\h\k\ah\Zfb\k nhjfme\yjz  
hp\_gdb ij\_ ^h\k\Z\ey\_fh]h K\_dj\_lZjbZlh\ Wdkijl g\_ fh`\_l ijh\h^blv  
k\h\_c kljZgu

J\_dhf\_g^Zpbb jjmiiu wdkijlh\

17. =jmiiz wdkijlh\ ijh\h^bl hp\_gdm aZy\hd gZ nb\Zgkbjh\Zgb\_ ihe  
lZjbZlZ k ihfhs\p\h\neb\guo bgkljmf\_glh\ hp\_gdb b k mq\_lhf \k\_h[t\_fe  
FNDJ

17.1 =jmiiz wdkijlh\ fh`\_l j\_dhf\_g^h\Ziv Dhfb\ lm

17.1.1 kibkh\d ijh\_dlh\ ^ey nb\Zgkbjh\Zgb\y \ ij\_^\eZo bf\_xs\o\ky kj\_^\k\l\

17.1.2 lhev\dh ijh\_dlu ihemqb\rb\_ g\_ f\_g\_\_ h\l\h\Z\k\bf\j\Z\k\Z\k\uo  
[Zeeh\]

17.1.3 lhev\dh h^bg ijh\_dl gZ [g\_nbp\ZjZ

17.1.4 \ khh\l\k\l\mxsbo kemqZyo dhjj\_d\bjh\dm kj\_^\k\l\ aZijh\rgguo  
jhijby\l by m FNDJ k ijbeZ]Zxsfb\k\y h[hkg\Zgb\yfb

17.2 K\_dj\_lZjbZl jZaf\_sZ\_l \k\_ ^hkv\_ ijh\_dlh\ bo hp\_gdb b j\_dhf\_g^Zp  
lh\ \ hgeZcgh\hf j\_`bf\_ aZ q\_luj\_ g\_^\eb^h gZqZeZ k\_kkb\ Dhfb\ lZ

Ijbgylb\_ j\_r\_gbc Dhfb\ lh\

18. Dhfb\ l jZkkfZljb\Z\_l b ml\ j`^Z\_l ijh\_dlu gZ k\h\_c hq\_j\_^\ghc k\_k

19. < p\_eyo kh^\ck\l\by ijbgylbx j\_r\_gb\]m\h\Z\bw\dlkif\_jlh\ khijh\h^\Z\_l  
k\hb j\_dhf\_g^Zpbb ij\_^\k\Z\ey\_gb\_f ih^jh\guo fZl\_jbZeh\ \dexqZy

19.1 djZldh\_ j\_axf\_ ijh\_d\Z nb]mjbjmxs\_\ aZy\ d\_\

19.2 mdZaZgb\_ ih\ grbcPxq@hf@&hIL d'0\_ b1y b h` &0àVd\_fu o j\_ameiZlh\

19.5

Hi\_jZib\gu\_ jmdh\h^ysb\_ ijbgbpiu \ hIghr\_gbb bkihevah\Zgby wf[e  
Dhg\gpbb h[ hojZg\_ b ihhsj\_gbb jZagh[h[jZaby nhjf dmevlmjgh]h kZfh\

## I. H[sb\_ iheh`by]

1. < p\_eyo ih\ur\_gby gZ]ey^ghklb b klbfmebjh\Zgby ^\_yl\_evghklb il  
Dg\gpbb gZ gZpbhgZevghf j\_]bhgZevghf b f\_`^mgZjh^ghf mjh\gyo m  
kphiZxI g\_h[oh^bfuf kha^Zlv wf[e\_fm hljZ`Zxsmx \_\_ p\_eb b ijbgbpiu
2. Wf[e\_fZ Dhg\gpbhZ\ey\_l kh[hc ]jZnbq\_kdh\_ bah[jZ`\_gb\_y dhlhjh  
gh hljZ`Z\_l \aZbfhhIghr\_gby dhgp\_ipbb b b^\_b Dhg\gpbb b bo \aZ  
^jm]hf
3. Wf[e\_fZ Dhg\gpbb fh`\_l bkihevah\Zlvky hI^ge\Zhbkb\Wf[ek]\\_fu  
bf\_gm\_fhc ^Ze\_b\bfZ\le\_fZ^a beb kh\f\_klh k wf[e\_fhc XG?KDH  
gm\_fhc ^Zekhkl\g\wfy[e\_fZ^a
4. Bkihevah\ZgbaZ\bkb\Wf[e\_fu j\_]mebjm\_lky iheh`\_gbYfb gZ\hysbo  
^ysbo ijbgbpih\

5. Bkihevah\Zg\h\k\Z\g\h\Wf[e\_fu j\_]eZf\_glbjm\_lky iheh`\_gbYfb j\h\k\hysbo  
\h^ysbo ijbgbpih\ b >bj\_dlb\ dZkZxsbo ky bkihevah\Zgby gZbf\_gh\Zg  
gZbfgh\Zgby wf[e\_fu b ^hf\_gguo bf\_g XG?KDH \ Bgl\_jg\_l\_ ijbgyluff  
dhgn\_j\_g\p.b Ke^h\ZI\_evg\h\hebah\Zgb\_ khijh\h`^Z\_fhc wf[e\_fu ^he`gh  
jZaj\_r\_g\hZd \ jZfdZo gZklhysbo jmdh\h^ysbo ijbgbpih\ IZd b >bj\_dlb  
bkihevah\Zgby gZbf\_gh\Zgby khdjZs\_ggh]h gZbf\_gh\Zgby wf[e\_fu  
XG?KDH \ Bgl\_jg\_l\_ \ hIghr\_gbb wf[e\_fu XG?KDH \ khhl\lkl\bb  
ij^mkfhlj\_ggufb \^Wmbo^hdmf\_glzo

## II. =jZnbq\_kdbc ^bg\Z\Z\bkb\Wf[e\_fu \h\k\Z\g\h\Wf[e\_fu

6. G\_aZ\bkb\Wf[e\_fZ bkihevam\_fZy \ dZq\_kl\\_\ hnbpbzevgh]h kbf\he  
bah[jZ`\_gZ gZ jbkmgd\_ gb`\_

Q_jg\h\l_euc \ZjbZgl	P\lghc \ZjbZgl
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7. K h k l Z \g Z y w f [ e \_ f Z b a h [ j Z ` \_ g Z g Z j b k m g d \_ g b ` \_

Q \_ j g h \_ e u c \Z j b Z g

P \\_ l g h c \Z j b Z g l

(b) i h l \_ g p b Z e v g u \_ i h k e \_ ^ k l \ b y ^ e y i h \ u r \_ g b y g Z ] e y ^ g f b l j b b m j h \ \ Z g g h k l b h D h g \ j \ Z g b b h \ Z a b b n h j f d m e v l m j g h ] h k Z f h \ u j z ^ \_ g b y

(c) g Z ^ e \_ ` Z s \_ \_ h [ \_ k i \_ q \_ g b \_ m k i \_ r g h c h j ] Z g b a Z p b b i j \_ ^ e Z ] Z \_ f h ] l \ d e x q Z y i j h n \_ k k b h g Z e v g u c h i u l b j \_ i m l Z p b x h j ] Z g Z a z i j Z r b \ Z r \_ g b \_ Z l Z d ^ \_ \ h a f h ^ g h k l v h k m j s ^ k e Z g b l y ] h f \_ j h i j b y l b y k n g Z g k h \ h c b l \_ o g b q \_ k d h c l h q \_ d a j \_ g b y

15. A Z y \ d b g Z b k i h e v a g h \ a Z g \ b k b f \ h f q e \_ f u f h ] m l [ u l v i j \_ ^ k l Z \ e \_ g u \ e x l \ j \_ f y ^ e y l Z d b o \ b ^ h \ ^ y l \_ e v g h k l b d Z d \_ ^ b g b q g u \_ f \_ j h i j b y l b y f \_ ^ m g Z e v g h ] h g Z p b h g Z b e v b g k l l g h ] h f Z k r l Z [ Z g Z d h l h j u o i j \_ ^ k l Z \ e \_ g h r b j g h h [ j Z a b h j f d m e v l m j g h ] h k Z f h \ u b Z \ \_ \ b l y h j u o i j b g b f Z x l m q Z k l b \_ l \ h j q \_ j Z [ h l g b d b ^ i j h \_ j u \ d m e v l m j g h c k n \_ j \_ e b p Z h l \ l k l \ \_ g g u \_ a Z j Z a j Z [ b b e b i j \_ ^ k l Z \ b l \_ e b ] j Z h ^ Z [ g s k \_ d k h ] Z W l b f \_ j h i j b y l b y f h ] m l \ d e x q Z l v \ k \_ l Z d e b \ u k l Z \ d b b \ Z \ b k b f \ g u \_ i j h ] j Z f f u b e b i m [ e b d Z p b b \ i \_ q Z l g h f b e b \ b ^ \_ Z l Z d ^ \_ l \ Z d k l \ \_ h g g \ \_ j h i j b y l b y d Z d d h g n \_ j \_ g p b b b e b k b \ \_ s Z g b y \ Z e b b y j f Z j d b g Z i j b f \_ j Z \ h \ b f q \_ k d h c d g b ^ g h c b e b f m a u d Z e v g h c h l j

16. < j Z f d Z o a Z i j \ Z \_ r \_ g b y g Z b k i h e v g h \ a Z g \ b k b f \ h f q e \_ f u g \_ h [ o h ^ b f h i j h c l b k e \_ ^ m x s b \_ w l Z i u

(a) W l Z i > e y g Z p b h g Z e v g u o j \_ ] b h g Z e v g u o b f \_ ^ m g Z j h ^ g u o f \_ r b \ Z x s Z y k l h j h g Z ^ h e ^ g Z a Z i h e g b l v @ N h j f m e y j ^ e y a Z Z j h k Z ^ g g b \_ g a Z \ b k b f \ h f q e \_ f u b i j \_ ^ k l Z \ b l v \_ ] h \ g Z p b h g Z e v g m x d h f b k k b





5. i h k l Z g h \ e y \_ l q l h m q Z k l g b d b j Z l b n b p b j h \ Z \ r b \_ \ D h g \ \_ g p b b k l Z \ e y x l K \_ d j \_ l Z j b Z l m k \ h b i \_ j \ u \_ q \ \_ l u j \ \_ o ] h ^ b q g u \_ i \_ j b h \ b q \ \_ k d b \_ ^ h Z i j \ \_ e y ] b q l h m q Z k l g b d b j Z l b n b p b j h \ Z \ r b \_ D h g \ \_ g p b x \ i j \ ^ k l Z \ e y x l k \ h t d e Z ^ u ^ h Z i j \ \_ e y ]

6. i j h k b I K \_ d j \_ l Z j b Z l i j \ ^ e h \ b l v m q Z k l g b d Z f j Z l b n b p b j h \ Z \ r b \_ \ D h g ] b ] i h \ ^ h l h \ b l v k \ h b i \_ j b h \ ^ b q \ \_ k d b \_ q \ \_ l u j \ \_ o ] h \ ^ b q g u \_ ^ h d i h a \ ^ g \ \_ q \ \_ f a Z r \ \_ k l v f \ \_ k y p \ ^ h m k l Z g h \ e \ \_ g g h ] h k j h d Z Z b o i j \ ^ k l Z \ a Z g g h ] h \ i m g d l \_ ; \ u r \_

7. i j h k b l \ ^ Z e K \_ d j \_ l Z j b Z l i h \ ^ h l h \ b l v h [ g h \ e \ \_ j \ ^ g \ \_ g d k Z j Z l \ \_ b q \ \_ k d h ] h b h j b \ \_ g l b j h \ Z g g h ] h g Z i j Z d l b q \ \_ k d b \ ^ c k l \ b y Z g Z e b l \ b q \ \_ k d h ] h j \_ a q \ \_ g g u o b f \ d Z \ ^ u c ] h \ ^ i \_ j b h \ ^ b q \ \_ k d b o q \ \_ l u j \ \_ o ] h \ ^ b q \ \_ g \ \_ u o ] h \ ^ d e Z \ ^ h \ l \ \_ f Z l b q \ \_ k d b c Z d p \ \_ g l g Z \ h i j h k \ h k l Z l m k \ l \ h j q \ \_ k d h ] h j Z [ h l g b d Z b \ b l v \ \_ h D h f b l \ \_ l m \ f \ \_ k l \ k \ ^ h i h e g b l \ e v g u f b i j b f \ \_ j Z f b w n n \ \_ d l b \ g h c i l b d b b b g g h \ Z p b h g g h c i h e b l b d b j Z [ h q b f b j \ \_ a x f \ ^ h d e Z \ ^ h \ b k Z f b f b \ ^ e y b o h [ k m \ ^ g b y

8. i j b a u \ Z \ \_ m q Z k l g b d h \ i j \ ^ h k l Z \ e y l v \ g \ \_ [ x \ ^ \ \_ l g u \ \_ j \ \_ k h \ \_ j \ \_ k u g \ \_ g e y i j i j h \ ] j Z f f u i h \ ^ h l h \ d b d Z \ ^ j h \ h \ ^ k \ \_ l Z \ b e \ \_ g b y \ ^ h d e Z \ ^ h \ b Z \ \_ p b j \ \_ Z e b a j e h \ [ Z e v g h c k b k l \ \_ f u m i j Z \ e \ \_ g b y a g Z g b y f b g Z i j Z \ e \ \_ g g h c g Z h k m s \ \_ k l \ \_ c b D h g \ \_ g p b b;

9. m i h e g h f h q b \ \ Z \ \_ D h f b l \ \_ l g Z h k g h \ \_ g Z d h i e \ \_ g g h ] h h i u l Z i \ \_ j \ \_ k f h l j \ \_ l v b i \ \_ j j Z [ h l Z l v \ k e m q Z \ g \ \_ h [ o h \ ^ b f h k l b J m d p b b h u \ ^ y s b l g \ \_ h j b g \ \_ b b k l Z l v b \ \ d e x q Z y i j b e Z \ \_ f u \ \_ d g b f j Z f d b i j \ ^ g Z a g Z q \ \_ g g u \ ^ e y q \ \_ l u j \ \_ o e \ \_ l ^ b q \ \_ k d b o \ ^ h d e Z \ ^ h \ b i j \ ^ k l Z \ b l v j \ \_ a m e v l Z l k \ h \ \_ c j Z [ h l y g Z m l \ \_ j \ ^ h c h q \ \_ j \ ^ g h c k \ \_ k k b b D h g n \ \_ l j g \ \_ g p b b m q Z k

10. i j \ ^ e Z \ \_ Z \ \_ D h f b l \ \_ l m i j \ ^ k l Z \ b l v D h g n \ \_ j \ \_ g p b b m q Z k l g b \ \_ d h x s g Z \ \_ \ \_ k e k \ \_ k k b b q \ \_ l u j \ \_ o e \ \_ l g b \ \_ i \ \_ j b h \ ^ b q \ \_ k d b \ ^ h d e Z \ ^ u k h k \ h b f b a Z f \ \_ q Z g b y i j h k b I K \_ d j \_ l Z j b Z l i j \ ^ k l Z \ b l v D h g n \ \_ j \ \_ g p b b Z g Z e b l \ b q \ \_ k d h \ j \ \_ a x f \ \_ i h e g u o b f i \ \_ j b h \ ^ b q \ \_ k d b o \ ^ h d e Z \ ^ h \ b

I m g d l l i h \ k l d b \ ^ g F y \ ^ m g Z j h \ ^ g u \ d h \ b Z p b o v b h \ ^ b g Z p b y k h k l h y g b \ ^ e i h k l Z l v \ D h g \ \_ g p b b

#### J \_ a h e x p b . C P 11

D h g n \ \_ j \ \_ g p b y m q Z k l g b d h \

- j Z k k f h l j \ ^ h d m f \ \_ G E / 13 / 4 . C P / 11 b l j b e h \ ^ g b y d g \_ f m
- g Z i h f b g Z y j \ \_ a h e x p b D h g n \ \_ j \ \_ g p b b m q Z k l g b \ \_ d h x s g Z \ \_ \ \_ k e D h f b l \ \_ l Z . I G C 8 b 6 . I G C 11,
- i j b q b f Z \ \_ l d \ \_ k \ ^ b g \ \_ b j f Z p b x i h e m q \ \_ g g m x \ j \ \_ a m e v l Z l \ \_ d h g k r l Z p b c h l g h k b l \ \_ e h l g h s \ \_ k l \ e g b y k l Z l v b D h g \ \_ g p b b b k h \ ^ j \ ^ s m x k y \ u r \ \_ m d Z a Z g g h f \ ^ h d m f \ \_ g l \ \_
- i j \ ^ e Z \ \_ Z \ \_ M q Z k l g b d Z f i j \ ^ k l Z \ b l \ \_ e y f j Z \ ^ Z g k d h ] h h [ s \ \_ k l \ Z f \ ^ m g \ \_ g u f h j Z g b a Z p b y f b k \ \_ l h e v a g h e Z c g h \ m x i e Z l n h j f m b i j h \ ^ h e \ Z l v i j \ ^ h k l Z \ e y l v K \_ d j \_ l Z j b Z l m e x [ m x g Z \ ^ e \ ^ Z s m x b g f Z p b x \ \_ l g h k l \ \_ e v g h k m s \ \_ k l \ e g b y k l Z l v b D h g \ \_ g p b b
- i j h k b I D h f b l \ \_ l i j h \ ^ h e \ ^ b l v k \ h x j Z [ h h k m i s h k l \ e g b x k l Z l v b D h g \ \_ g p b b i j b g y \ \ h \ g b f Z g b \ ^ b k d m k k b b b j \ \_ a h e x p b b q \ \_ l \ \_ j g h c k \ \_ k k b b b i j \ ^ k l Z \ b l v \ \_ c j \ \_ a m e v l Z l u w l h c j Z [ h l u g Z \ \_ \ \_ h q \ \_ j \ ^ g h c k \ \_ k k b b;

6. i j h k b l ^ Z e D h f b l \_ I h [ k m ^ b l v b i j h Z g Z e b a b j h \ Z l v b \ g n  
g h k b l \_ e v g h h k m s \_ k l \ e \_ g b y k l Z j l y \ b k l Z \ b l v \ h d e Z ^ \ h a ^ c  
k l \ b b \_ h k m s \_ k l \ e \_ g b y g Z i y l h c k \_ k k b b D h g n \_ j \_ g p b b m q Z k l g b d

7. i j h k b l K \_ d j \_ l Z j b Z l i j h ^ h e ` b l v Z d l b \ g m x j Z u [ l h l f m i \ h i j h k m \  
q Z k l g h k l b i j h ^ h e ` Z l v j Z a j Z [ h l d m [ Z a u ^ Z g g u o j Z a Z \ ^ \ Z ] h ^ Z  
y k v d ] h k m ^ Z j k n l \ Z k l g b d Z f k i j h k v [ h c a Z i h e g b l v k h h l \ \_ l k l \ m x s b  
\ h i j h k g b d

I m g d l l 2 i h \ \_ k l d b \_ ^ g y u [ h j w f [ e \_ f u D h g \ \_ g p b b

J \_ a h e x p 4.CP 12

D h g n \_ j \_ g p b y m q Z k l g b d h \

@ñ F Z

4

6. i j h k b l K \_ d j \_ I Z j b Z l h[ \_ k i \_ q b l v a Z s b l m w f [ e \_ f u \ k h h l  
 k l Z l v \_ c t e r I Z j b ` k d h c d h g \ \_ g p b b i h h o j Z g \_ i j h f u k r l e \_ g g h c k h [  
 k l b \ q Z k l g h k l b i h k j \_ ^ k l \ h f h [ j Z s \_ g b y d < k \_ f b j g h c h j ] Z g b a Z  
 l \_ e e \_ d l m Z e v g h c k h [ k l \ \_ g g h k l b k i j h k v [ h c h a g Z d h f b l v k w l h c  
 k l j Z g u K h x a Z i h h o j Z g \_ i j h f u r e \_ g g h c k h [ k l \ \_ g g h k l b .

I m g d 1 3 i h \ k l d b ^ g y n ^ m s Z y ^ \_ y l \_ e v g h k l v D h f b l \_ I Z

J \_ a h e x p y 4 . C P 1 3

D h g n \_ j \_ g p b y m q Z k l g b d h \

1. j Z k k f h l j ^ h d m f \_ @ E / 1 3 / 4 . C P / 1 3 ,
2. i j b g b f Z \_ l d k \ ^ \_ g b g h j f Z p b h g g u \_ ^ h d m @ E / 1 3 / 4 . C P / I N F . 4 ,  
 & ( & 3 , 1 ) b & ( ; & 3 , 1 )
3. i j b g b f Z \_ l I Z d ` d k \ ^ j \_ g b g b y D h f b l \_ I Z 6 . I G C 4 , 6 . I G C 5 b  
 6 . I G C 1 7 ;
4. i j h k b l D h f b l \_ l i h ^ ] h l h \ b l v d Z d f h ` g h [ h e \_ \_ i h ^ j h [ g u c i e Z g j Z [ h l u  
 f \_ j h i j b y l b y f \ d e x q Z y i j b [ e b a b l \_ h 7 [ e , , ! H ^ i u ^ , ` \$ @ & € @ / % o i j b ^ \_ ^ \_ g b )

- h p \_ g d ~~b~~ a g Z \ Z \_ f h c \ k I Z I v \_ D h \ g \ \ e g ~~p~~ b ~~b~~ g h k l b ] ~~g~~ Z  
k d h ] h h [ s \_ k l \ ~~Z~~ k m s \_ k l \ e \_ g b \_ D h g \ \_ g p b b g Z g Z p b h g Z e v g h f  
g Z e v g h f b f \_ ` ^ m g Z j h ^ g h f m j h \ g \_ \ l h f q b k e \_ \ h \ e \_ q \_ g g h k  
[ h l m \_ \_ l ~~Z~~ n \ g u o h j ] Z ; g h \
- f h g b l h j b g ] h k m s \_ k l \ e \_ g b y b h p \_ g d m \ h a ^ \_ c k l \ b y k I Z I v b
8. i j ^ e Z ] Z D h f b l \_ l m \ d e x q b l v \ i h \ \_ k l d m ^ g y k \_ ^ v f h c h q \_ j \_ ^ g h c  
i m g d l i h k \ y s \_ g g u d h j k r e b Z j k l \ \_ g g h c k e m ^ [ b j l Z e b h \ \_ s Z g b y \  
^ \_ e \_ ^ h k l b ^ \_ g b y p \_ e \_ c D h g \ \_ g p b b