

Р†РќРŸРŸР РЈРљРІР†РІ

**Р†Р»СІ РјРµР†РёС‡РSPsРiРs Р·Р°СІС,РsСІСІРІР°РSPSCІ
Р»С-РёР°С‡СІСђРёРsРiРs Р·Р°СІРsР±СІ**

Р’РЈРµР†Р’РђРљРђРђРќ РŸРµР†РќРќРђ

(BUPIVACAINE • SPINAL)

РŸРёР»Р°Р†:

Р†С-С‡С‡Р° С‡РµРµС‡РSPiРёРSP°: Р±СІРёС-РІР°РёР°С—РSCІ РёС-Р†С‡РsС...Р»РsС‡РёР†;

1 РјР» С‡РsР·С‡РёРSCІ РјС-СІС,РёС,Сђ Р±СІРёС-РІР°РёР°С—РSCІ
РёС-Р†С‡РsС...Р»РsС‡РёР†РІ 5 РјРі;

*Р†РsРiРsРјС-Р¶РSC— С‡РµРµС‡РSPiРёРSPё: РіР»С‡РёРsР·Р° РјsРSPsРiС-Р†С‡Р°С,,
РёРёСІР»РsС,Р° С...Р»РsС‡РёРёСІС,РsРiРsР†РSPµРІР° С‡РsР·РІРµР†РµРSP° Р°Р±Рs
РSP°С,С‡С-Сђ РёС-Р†С‡РsРёСІРёР†, РiРsР†Р° Р†Р»СІ С-РSђ™ С”РёС†С-Р№.*

В

Р»С-РёР°С‡СІСђРёР C,,РsС‡РјР°. Р РsР·С‡РёРs Р†Р»СІ С-РSђ™ С”РёС†С-Р№.

*РђСІРSPsРiРSC- С,,С-Р·РёРёРsС...С-РјС-С‡РSC- РІР»Р°СІС,РёРiРsСІС,С-: РёС‡РsР·РsС‡Р°
Р±РµР·Р±Р·Р±Р°С‡РiРSP° С‡С-Р†РёРSP°.*

Р°Р°С‡РјР°РёРsС,РµС‡Р°РёРµРiС,РёС‡РSP° РiС‡СІРiР°. РµС‡РµРµРiР°С‡Р°С,Рё Р†Р»СІ
РјС-СІС†РµРiРsС— Р°РSPµСІС,РµР·С-С—. РљРsР† РђРŸРІ N01Р’ Р’01.

Р°Р°С‡РјР°РёРsР»РsРiС-С‡РSC-В РІР»Р°СІС,РёРiРsСІС,С-.

Р°Р°С‡РјР°РёРsР†РёРSP°РјС-РёР°.

Р’СІРёС-РІР°РёР°С—РS б‡ РјС-СІС†РµРiРiРёР№ Р°РSPµСІС,РµС,РёРёС С,С‡РёРёРiР°Р»РsС—
Р†С-С— Р°РјС-Р†РSPsРiРs С,РёРiСІ.

РµРsРјС-С‡РSPµ С‡РsР·СІР»Р°Р±Р»РµРSPSCІ Рјб™ СІР·С-РІ РSPёР¶РSC-С...
РёС-РSC†С-РiРsРё.

Р’Р»РsРёР°Р†Р° СІРёРsС‡РsС‡СІРІР°Р»СђРSPsС— Р°РёС,РёРiРSPsСІС,С- Рјб™ СІР·С-РІ
С‡РµРµРµРiРSPsРiРs РёС‡РµРiР°.

Р’СІРёС-РІР°РёР°С—РS СІРiС-РSP°Р» РёС‡РёР·Р·РSP°С‡РµРiРSPёР№ Р†Р»СІ
РiС-РiРµС‡Р±Р°С‡РSPsС— СІРiРёРSPSPsРјsР·РёРsРiРsС— Р°РSPµСІС,РµР·С-С—,
РiРsС‡Р°С,РёРsРiРёР№ С‡РsР·РiРsР†С-Р» РёС‡РµРµРiР°С‡Р°С,СІ РІ

РіС-РrPiPsCfC, CтP° PePsPjP±C-PSPsPIP°PSP° PrPμPiPμPSPμCтP°C†C-Cl C†PiPëPSPSPsPiPs
PjPsP·PeC† C†PμCтPμP· PiPμCтPSC-C†C-PsP·PSC† P°PSPμPjC-Cт C,P° PiC†C...P»PëPSPë
PiPsP»PsPIPSPsPiPs C,P° C†PiPëPSPSPsPiPs PjPsP·PeC†;

- C†C,PμPSPsP· C†PiPëPSPSPsPjPsP·PePsPiPsPiPs PeP°PSP°P»C† C,P°
P·P°C...PIPsCтCтPIP°PSPSC† PI P°PeC,PëPIPSC-PN C†C,P°PrC-C— (PSP°PiCтPëPeP»P°Pr,
C†PiPsPSPPrPëP»C-C,, C,C†P±PμCтPeC†P»CHPsP·, PiC†C...P»PëPSPë) P°P±Ps
PSPμC%PsPrP°PIPSPs PiPμCтPμPSPμC†PμPSC- C,CтP°PIPjPë (PSP°PiCтPëPeP»P°Pr,
PiPμCтPμP»PsPj) C...CтPμP±C,P°;
- C†PμPiC,PëC†PμPjC-Cl;
- PiPSC-PN°PSP° C-PSC,,PμPeC†C-Cl C†PeC-CтPë PI PjC-C†C†C- P°P±Ps PiPsCтC†Pr C-P·
PjC-C†C†PμPj PiC†PSPeC†C-C— PiPsPiPμCтPμPePsPiPs PiC-PrPrC-P»C† C...CтPμP±C,P°;
- PeP°CтPrC-PsPiPμPSPSPëPN° P°P±Ps PiC-PiPsPiPsP»PμPjC-C†PSPëPN° C†PsPe;
- PiPsCтC†C†PμPSPSC† P·PiPsCтC,P°PSPSC† PeCтPsPIC- P°P±Ps
PiCтPsPrPsPIP¶PμPSPSC† P»C-PeC†PIP°PSPSC† P°PSC,PëPePsP°PiC†P»C†PSC,P°PjPë.

***P·P·P°C”PjPsPrC-Cl P· C-PSC€PëPjPë P»C-PeP°CтC†CHPePëPjPë P·P°C†PsP±P°PjPë C,P°
C-PSC€C- PIPëPrPë PIP·P°C”PjPsPrC-PN°.***

PhC†PeC-P»CHPePë C†PëC†C,PμPjPSC- C,PsPeC†PëC†PSC- PμC,,PμPeC,Pë C”
P°PrPëC,PëPIPSPëPjPë, P±C†PiC-PIP°PeP°C—PS C†P»C-Pr P·P°C†C,PsC†PsPIC†PIP°C,Pë P·
PsP±PμCтPμP¶PSC-C†C,Cт PiP°C†C-C”PSC,P°Pj, ClPeC- PsC,CтPëPjC†CтC,CH C-PSC€C-
PjC-C†C†PμPIC- P°PSPμC†C,PμC,PëPePë P°P±Ps PiCтPμPiP°CтP°C,Pë, ClPeC- P·P°
C†C,CтC†PeC,C†CтPsCт PiPsPrC-P±PSC- PrPs PjC-C†C†PμPIPëC... P°PSPμC†C,PμC,PëPeC-PI
P°PjC-PrPSPsPiPs C,PëPiC†, PSP°PiCтPëPeP»P°Pr PiPμPIPSC- P°PSC,PëP°CтPëC,PjC-C†PSC-
PiCтPμPiP°CтP°C,Pë, C,P°PeC- ClPe P»C-PrPsPeP°C—PS C,P° PjPμPeC†PëP»PμC,PëPS.

PŸPiPμC†PëC,,C-C†PSC- PrPsC†P»C-PrP¶PμPSPSC† PIP·P°C”PjPsPrC-PN° PjC-P¶
P±C†PiC-PIP°PeP°C—PSPsPj C,P° P°PSC,PëP°CтPëC,PjC-C†PSPëPjPë P·P°C†PsP±P°PjPë
PeP»P°C†C† P†P†P† (PSP°PiCтPëPeP»P°Pr, P°PjC-PsPrP°CтPsPSPsPj) PSPμ
PiCтPsPiPsPrPëP»PëC†Cl, PsPrPSP°Pe C† C,P°PePsPjC† CтP°P·C- C†P»C-Pr
PrPsC,CтPëPjC†PIP°C,PëC†Cl PsP±PμCтPμP¶PSPsC†C,C-.

***P·hC†PsP±P»PëPIPsC†C,C-B
P·P°C†C,PsC†CžPIP°PSPSC†.***

P†PSC,CтP°C,PμPeP°P»CHPSC† P°PSPμC†C,PμP·C-Cт PiPsPiPëPSPμPS PiCтPsPiPsPrPëC,Pë
C,C-P»CHPePë P»C-PeP°Cт P· PSPμPsP±C...C-PrPSPëPj CтC-PIPSPμPj P·PSP°PSCт C,P°
PrPsC†PIC-PrPsPj CтPsP±PsC,Pë.

PμCтPsC†PμPrC†CтPë C-P· P·P°C†C,PsC†C†PIP°PSPSC†Pj CтPμPiC-PsPSP°CтPSPëC...
P°PSPμC†C,PμC,PëPeC-PI PSPμPsP±C...C-PrPSPs PIPëPePsPSC†PIP°C,Pë C†
PIC-PrPrC-P»PμPSPSC†C..., C†PePsPjPiP»PμPeC,PsPIP°PSPëC... PsP±P»P°PrPSP°PSPSC†Pj

PrP»Cł CЄC,CrC†PSPsC— PIPμPSC,PēP»CłC†C— P»PμPiPμPSCĤ. P”P»Cł
PSPμPiP°PNēPSPsPiPs PIPēPePsCĤPēCfC,P°PSPSCł PīPsPIPēPSPSC— P±CrC,Pē PrPsCfC,CrPīPSC—
PsP±P»P°PrPSP°PSPSCł PrP»Cł PīCĤPsPIPμPrPμPSPSCł CĤPμP°PSC—PjP°C†C—PNēPSPēC...
P·P°C...PsPrC—PI C,P° PIC—PrPīPsPIC—PrPSC— P»C—PeP°CĤCfCĤPeC— PīCĤPμPīP°CĤP°C,Pē.

PμPμCĤCЄ PSC—P¶ CĤPsP·PīPsC†P°C,Pē PīCĤPsPIPμPrPμPSPSCł
C—PSC,CĤP°C,PμPeP°P»CĤPSPsC— P°PSPμCfC,PμP·C—, CfP»C—Pr P·P°P±PμP·PīPμC†PēC,Pē
PjPsP¶P»PēPIC—CfC,CĤ PīCĤPsPIPμPrPμPSPSCł PIPSCfC,CĤC—CЄPSCĤPsPIPμPSPSPēC...
PīCĤPsC†PμPrCfCĤ, PSP°PīCĤPēPeP»P°Pr PIPSCfC,CĤC—CЄPSCĤPsPIPμPSPSPsC—
C—PSC,,CrP·C—, P·C—PeP°CĤCĤ, CłPePēPNē PIC—PrPīPsPIC—PrP°C” P·P°
PīCĤPsPIPμPrPμPSPSCł P°PSPμCfC,PμP·C—, CfP»C—Pr PIP¶PēC,Pē PSPμPsP±C...C—PrPSPēC...
P·P°C...PsPrC—PI PsP±PμCĤPμP¶PSPsCfC,C—, C%oPsP± CrPSPēPePSCfC,Pē
PIPSCfC,CĤC—CЄPSCĤPsCfC†PrPēPSPSPsPiPs PIPμPrPμPSPSCł PīCĤPμPīP°CĤP°C,Cr, C,P°
P±CrC,Pē PIC—PrPīPsPIC—PrPSPēPj C†PēPSPsPj PīC—PrPīPsC,PsPIP»PμPSPēPj C—
PsP·PSP°PNēPsPjP»PμPSPēPj P· PrC—P°PiPSPsCfC,PēPePsCĤ C— P»C—PeCrPIP°PSPSCłPj
PīPsP±C—C†PSPēC... PμC,,PμPeC,C—PI, CfPēCfC,PμPjPSPsC— C,PsPeCfPēC†PSPsCfC,C— C,P°
C—PSCЄPēC... CrCfPeP»P°PrPSPμPSCĤ. PμCĤPē PīPsCłPIC— PsP·PSP°Pe PīPsCfC,CĤPsC—
CfPēCfC,PμPjPSPsC— C,PsPeCfPēC†PSPsCfC,C— P°P±Ps PīPsPIPSPsC—
CfPīPēPSPSPsPjPsP·PePsPIPSC— P±P»PsPeP°PrPē PIPμPrPμPSPSCł PjC—CfC†PμPIPsPiPs
P°PSPμCfC,PμC,PēPeP° PSPμPsP±C...C—PrPSPs PSPμPiP°PNēPSPs P·CrPīPēPSPēC,Pē.

PīPe C— PICfC— PjC—CfC†PμPIC— P°PSPμCfC,PμC,PēPePē, P±CrPīC—PIP°PeP°C—PS Cr CĤP°P·C—,
PePsP»Pē P·P°CfC,PsCfC†PIP°PSPSCł PīCĤPμPīP°CĤP°C,Cr P· PjPμC,PsCĤ
PīCĤPsPIPμPrPμPSPSCł PjC—CfC†PμPIPsC— P°PSPμCfC,PμP·C— PīCĤPēP·PIPsPrPēC,CĤ PrPs
CrC,PIPsCĤPμPSPSCł PIPēCfPsPePēC... PePsPSC†PμPSC,CĤP°C†C—PNē PīCĤPμPīP°CĤP°C,Cr PI
PeCĤPsPIC—, PjPsP¶Pμ CfPīCĤPēC†PēPSPēC,Pē CĤPsP·PIPēC,PsPe PīPsCfC,CĤPēC...
C,PsPeCfPēC†PSPēC... PμC,,PμPeC,C—PI P· P±PsPeCr C†PμPSC,CĤP°P»CĤPSPsC—
PSPμCĤPIPμPIPsC— C,P° CfPμCĤC†PμPIPs—CfC†PrPēPSPSPsC— CfPēCfC,PμPj. PīPμ,
P·PsPeCĤPμPjP°, CfC,PsCfC†C”C,CĤCfCł PIPēPīP°PrPeC—PI, C%oPs
CĤPsP·PIPēPIP°CĤC,CĤCfCł PīC—CfP»Cł PIPēPīP°PrPePsPIPsPiPs
PIPSCfC,CĤC—CЄPSCĤPsCfC†PrPēPSPSPsPiPs PIPμPrPμPSPSCł PīCĤPμPīP°CĤP°C,Cr P°P±Ps
PIPμPrPμPSPSCł PīCĤPμPīP°CĤP°C,Cr PI CfPēP»CĤPSPs PIP°CfPeCrP»CłCĤPēP·PsPIP°PSC—
PrC—P»CłPSPēPē.

P’PēPīP°PrPePē CЄP»CrPSPsC†PePsPIPsC— P°CĤPēC,PjC—C—, C,,C—P±CĤPēP»CłC†C—C—
CЄP»CrPSPsC†PeC—PI, CĤP°PīC,PsPIPsC— CfPμCĤC†PμPIPs—CfC†PrPēPSPSPsC—
PSPμPrPsCfC,P°C,PSPsCfC,C— C,P° P»PμC,P°P»CĤPSC— PIPēPīP°PrPePē P±CrP»Pē
P·P°CĤPμC”CfC,CĤPsPIP°PSC— Cr P·PIBĤ™ CłP·PeCr P· PIPēCfPsPePēPjPē
CfPēCfC,PμPjPSPēPjPē PePsPSC†PμPSC,CĤP°C†C—CłPjPē P±CrPīC—PIP°PeP°C—PSCf. Pj
CĤP°P·C— P·CrPīPēPSPēPē CfPμCĤC†Cł PrP»Cł PrPsCfCłPiPSPμPSPSCł CrCfPīC—CЄPSPsPiPs
CĤPμP·CrP»CĤC,P°C,Cr PjPsP¶Pμ P±CrC,Pē PSPμPsP±C...C—PrPSPēPj PīCĤPsPIPμPrPμPSPSCł
C,CĤPēPIP°P»PēC... CĤPμP°PSC—PjP°C†C—PNēPSPēC... P·P°C...PsPrC—PI. P’PēCfPsPeC—
CfPēCfC,PμPjPSC— PePsPSC†PμPSC,CĤP°C†C— PīCĤPμPīP°CĤP°C,Cr PSPμ
PsC†C—PeCrCĤC,CĤCfCł PīCĤPē PrPsP·P°C..., C%oPs P·P°P·PIPēC†P°PNē
P·P°CfC,PsCfPsPIC†CĤC,CĤCfCł PrP»Cł PīCĤPsPIPμPrPμPSPSCł
C—PSC,CĤP°C,PμPeP°P»CĤPSPsC— P°PSPμCfC,PμP·C—.

Pj PīP°C†C—C”PSC,C—PI P»C—C,PSCĤPsPiPs PIC—PeCr C— PīP°C†C—C”PSC,PsPe, CłPeC—
P·PSP°C...PsPrCłC,CĤCfCł PSP° PīC—P·PSC—C... CfC,P°PrC—CłC... PIP°PīC—C,PSPsCfC,C—,
C—CfPSCfC” PīC—PrPIPēC%oPμPSPēPNē CĤPēP·PēPe CĤPsP·PIPēC,PeCr PsP±CЄPēCĤPSPsC—
P°P±Ps PīPsPIPSPsC— CfPīPēPSPSPsPjPsP·PePsPIPSC— P±P»PsPeP°PrPē, C%oPs
PīCĤPēP·PIPsPrPēC,CĤ PrPs PīCĤPēPiPSC—C†PμPSPSCł C,,CrPSPeC†C—PNē CfPμCĤC†PμPIPs—

CÍCÍPrPëPSPSPSc— CÍPëCÍC,PµPjPë C,P° PrPëC...P°PSPSC¶. PÿPsPjCÍ PrP»C¶ C†PëC...
 PiP°C†C-C"psc,C-pi PrPsP·CÍ PiC¶PµPiP°C¶P°C,CÍ CÍP»C-Pr P·PjPµPSC€PëC,Pë.

ПѹСѢПСПІПѹПРПѹПСПСЦІ С-ПSC,СѢП°С,РѹПЕР°Р»СѢПСПСС— Р°ПСПѹСІС,РѹР·С-С— Р±СрПрСѢ-
 СІПЕРѢРј РјС-СІС+РѹПІРѢРј Р°ПСПѹСІС,РѹС,РѢРЕПSPј РјРSPПРѹ РіСѢРѢР·РІРѹСІС,РѢ РrPs
 СѢРSP·РІРѢС,РЕСр Р°СѢС,РѹСѢС-Р°Р»СѢПСПСС— РіС-РіРSPС,РѹПSP·С-С— С,Р°
 Р±СѢР°РrРѢРЕР°СѢРrС-С—, РіРSPСІРІСр СІПЕРѢС... СІР»С-Рr РіРѹСѢРѹРrР±Р°С±Р°С,РѢ С,Р°
 РіСѢРSPІРSPrРѢС,РѢ РІС-РrРіРSPІС-РrРSPС- Р·Р°РіРSP±С-РПSPС- Р·Р°С...РSPrРѢ, С%РSP
 РјРSPПРІСрС,СѢ РІРЕР»СѢС±Р°С,РѢ РіРSPіРѹСѢРѹРrРSPС” РІРІРѹРrРѹПСПСЦІ Сr СІРѢСІС,РѹРјСr
 РЕСѢРSPІРSPSP±С-РіСr РЕСѢРѢСІС,Р°Р»Р°С—РrРSPSPіРSP Р°Р±РSP РЕРSP»РSPС—РrРSPSPіРSP
 СѢРSP·С±РѢРSPСr. Рј СѢР°Р·С- СѢРSP·РІРѢС,РЕСр Р°СѢС,РѹСѢС-Р°Р»СѢПСПСС—
 РіС-РіРSPС,РѹПSP·С-С— СІР»С-Рr РІРSPСrС,СѢС-СѢРSPСѢРSPІРѹПSPSPSP РІРІРѹСІС,РѢ
 СІСrРrРѢРSPSP·РІСrРПРІСrРІР°Р»СѢПСПѢР№ РіСѢРѹРіР°СѢР°С,, С,Р°РЕРѢР№ СІПЕ
 РѹС,,РѹРrСѢРѢРSP, Сr РrРSP·С- 10-15 РјРі. РѢСІПРПЕР° Р°СѢС,РѹСѢС-Р°Р»СѢПСП°
 РіС-РіРSPС,РѹПSP·С-СІ РјРSPПРѹ РІРѢРSPѢРЕРSPСrС,РѢ РІ СѢРѹР·СrР»СѢС,Р°С,С-
 РіС-РіРSPІРSP»РѹРјС-С— РІРSP°СІР»С-РrРSPРЕ РЕСѢРSPІРSPС,РѹС±С- Р°Р±РSP
 Р·РSPРѹРІРSPРrРSPРѹПСПСЦІ, Р°Р±РSP Р°РSPСѢС,РSP-РіРSPСѢРSPПРПSPѢСІС,РSPС— РSPЕР»СѢР·С-С— Сr
 РіР°С+С-С”РSPС,С-РІ Р· РјР°СІРѢРІРSPѢРј Р°СІС+РѢС,РSPРј, РІРѹР»РѢРЕРѢРјРѢ
 РіСrС...Р»РѢРSP°РјРѢ С±РѹСѢРѹРІРSPSPС— РіРSPСѢРSPПРПSPѢРSPѢ Р°Р±РSP РіС-Р·РSPС-С...
 С,РѹСѢРјС-РSP°С... РІР°РіС-С,РSPSPСІС,С-. Р—РSP°С±РSPSPС— Р°СѢС,РѹСѢС-Р°Р»СѢПСПСС—
 РіС-РіРSPС,РѹПSP·С-С— СІР»С-Рr СrРSPѢРЕР°С,РѢ Сr РіР°С+С-С”РSPС,С-РІ С-Р·
 СІРѹСѢС+РѹРІРSPСѢ РrРѹРЕРSPРјРіРѹРSPСІР°С+С-С”СѢ.

$\text{P}_{\mu}\text{C}-\text{Pr} \quad \text{C}\ddot{\text{P}}^{\circ}\text{C}\dot{\text{I}} \quad \text{P}\ddot{\text{C}}\dot{\text{H}}\text{P}\text{S}\text{P}\text{IP}_{\mu}\text{PrP}_{\mu}\text{PSPSC}\dot{\text{I}} \quad \text{C}-\text{PSC}, \text{C}\dot{\text{H}}\text{P}^{\circ}\text{C}, \text{P}_{\mu}\text{PeP}^{\circ}\text{P} \gg \text{CHBPSPSC}-$
 $\text{P}^{\circ}\text{PSP}_{\mu}\text{C}\dot{\text{I}}\text{C}, \text{P}_{\mu}\text{P}\cdot\text{C}-\text{C}- \quad \text{Cr} \quad \text{P}\ddot{\text{P}}^{\circ}\text{C}\dot{\text{I}}\text{C}-\text{C}^{\circ}\text{PSC}, \text{C}-\text{PI} \quad \text{P} \cdot \quad \text{PiC}-\text{P}\ddot{\text{P}}\text{S}\text{PIP}\text{S}\text{P} \gg \text{P}_{\mu}\text{PjC}-\text{C}^{\circ}\text{C}\dot{\text{H}} \quad \text{P} \cdot \quad \text{P}\pm\text{CrPrCH}-$
 $\text{C}\dot{\text{I}}\text{PePsC}- \quad \text{P}\ddot{\text{C}}\dot{\text{H}}\text{P}\ddot{\text{P}}\text{C}\ddot{\text{P}}\ddot{\text{P}}\text{PSP}\ddot{\text{P}} \quad \text{PjPsP}\P_{\mu} \quad \text{C}\dot{\text{H}}\text{PsP}\cdot\text{PIP}\ddot{\text{P}}\text{PSC}\dot{\text{r}}\text{C}, \text{P}\ddot{\text{C}}\dot{\text{I}}\text{C}\dot{\text{I}} \quad \text{C}\dot{\text{H}}\text{P}^{\circ}\text{P}\ddot{\text{C}}, \text{PsPIP}^{\circ} \quad \text{C}- \quad \text{C}, \text{C}\dot{\text{I}}\text{P}\P_{\mu}\text{PeP}^{\circ}$
 $\text{P}^{\circ}\text{C}\dot{\text{H}}\text{C}, \text{P}_{\mu}\text{C}\dot{\text{H}}\text{C}-\text{P}^{\circ}\text{P} \gg \text{CHBPSP}^{\circ} \quad \text{PiC}-\text{P}\ddot{\text{P}}\text{S}\text{C}, \text{P}_{\mu}\text{PSP}\cdot\text{C}-\text{C}\dot{\text{I}}.$

P†PSC, C₇H₅P°C, P_μPeP°P»CH₅PSP° P°PSP_μCl' C, P_μP·C-Cl PjPsP¶P_μ Cl'PiC₇H₅PeC†PëPSPëC, Pë
 PiP°C₇H₅P°P»C-C† PjC-P¶C₇H₅P_μP±P_μC₇H₅PSPëC... PjB₇[™] Cl¶P·C-PI, P° PiP°C†C-C" PSC, Pë C-P·
 PiP»P_μPIC₇H₅P°P»CH₅PSPëPj PIPëPiPsC, PsPj PjPsP¶Cl' C, CH₅ Cl' C, C₇H₅P°P¶PrP°C, Pë PIC-Pr
 PrPëC...P°P»CH₅PSPsC— PSP_μPrPsCl' C, P°C, PSPsCl' C, C-. PÿP_μPiCl'PëCl' PjPsP¶P_μ
 P·P±C-P»CH₅CëPëC, Pë C₇H₅PëP·PëPe CrC, PIPsC₇H₅P_μPSPSC¶
 C-PSC, C₇H₅P°Cl'PiC-PSP°P»CH₅PSPsPiPs P°P±Cl' C†P_μCl' C† PI
 PiC-Cl'P»Cl¶PsPiP_μC₇H₅P°C†C-PNëPSPsPjCr PiP_μC₇H₅-PsPrC-.

$\text{P}\ddot{\text{K}}\text{P}\mu\text{PIC}\overline{\text{H}}\text{P}\text{S}\text{P}\gg\text{P}\text{S}\text{P}\text{IC}-\text{C}\ddot{\text{P}}\text{SC}-\text{C},\overline{\text{C}}\overline{\text{H}}\text{P}^{\circ}\text{PIP}\text{j}\text{P}\ddot{\text{e}}\text{C}''\overline{\text{C}}\overline{\text{H}}\text{C}-\text{PrPeC}-\text{C}\overline{\text{I}}\text{PSP}\ddot{\text{e}}\text{Pj}\text{PSP}^{\circ}\text{C}\overline{\text{I}}\text{P}\gg\text{C}-\text{PrPePsPj}$
 $\text{C}-\text{PSC},\overline{\text{C}}\overline{\text{H}}\text{P}^{\circ}\text{C},\text{P}\mu\text{PeP}^{\circ}\text{P}\gg\text{CHPSP}\text{S}\text{C}-\text{P}^{\circ}\text{PSP}\mu\text{C}\overline{\text{I}}\text{C},\text{P}\mu\text{P}\cdot\text{C}-\text{C}-\text{C}-\text{PjPsP}\overline{\text{I}}\text{C}\overline{\text{r}}\text{C},\text{CH}$
 $\text{P}\overline{\text{i}}\overline{\text{C}}\overline{\text{H}}\text{P}\ddot{\text{e}}\text{P}\cdot\text{PIP}\mu\text{C}\overline{\text{I}}\text{C},\text{P}\ddot{\text{e}}\text{PrPs}\overline{\text{C}}\overline{\text{H}}\text{PsP}\cdot\text{PIP}\ddot{\text{e}}\text{C},\text{PeC}\overline{\text{r}}\text{P}\overline{\text{i}}\text{P}^{\circ}\overline{\text{C}}\overline{\text{H}}\text{P}\mu\text{C}\overline{\text{I}}\text{C},\text{P}\mu\text{P}\cdot\text{C}-\text{C}-, \text{P}^{\circ}\text{PSP}\mu\text{C}\overline{\text{I}}\text{C},\text{P}\mu\text{P}\cdot\text{C}-\text{C}-,$
 $\text{PjPsC},\text{PsC}\overline{\text{H}}\text{PSP}\text{S}\text{C}-\text{C}\overline{\text{I}}\text{P}\gg\text{P}^{\circ}\text{P}\pm\text{PePsC}\overline{\text{I}}\text{C},\text{C}-\text{C},\text{P}^{\circ}\text{P}\overline{\text{i}}\text{P}^{\circ}\overline{\text{C}}\overline{\text{H}}\text{P}^{\circ}\text{P}\gg\text{C}-\text{C}\ddot{\text{P}}\text{C}\overline{\text{r}}.\text{P}\ddot{\text{P}}\text{SPsPrC}-\text{C}\ddot{\text{P}}\text{C}-$
 $\text{C}\overline{\text{I}}\text{PIP}\ddot{\text{e}}\text{C}\%_{\text{P}}^{\circ}\text{C}''\text{PrPsPIP}\text{PsC},\overline{\text{C}}\overline{\text{H}}\text{P}\ddot{\text{e}}\text{PIP}^{\circ}\text{P}\gg\text{P}\ddot{\text{e}}\text{Pj}\text{P}\ddot{\text{e}}.$

$$\begin{aligned} & \text{P}_{\text{U}}\text{P}_{\text{U}}\text{C}\overline{\text{H}}\text{P}_{\text{U}}\text{Pr} \text{ C, P}\overline{\text{e}}\text{P}_{\text{j}} \text{ C}\overline{\text{I}}\text{P}_{\text{e}} \text{ C}\overline{\text{H}}\text{P}_{\text{s}}\text{P}\cdot\text{P}\overline{\text{i}}\text{P}_{\text{s}}\text{C}\overline{\text{I}}\text{P}^{\circ}\text{C, P}\overline{\text{e}} \text{ P}\rangle\text{C}-\text{PeC}\overline{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\overline{\text{I}}, \text{C}\overline{\text{I}}\text{P}\rangle\text{C}-\text{Pr} \text{ PIP}\cdot\text{C}\overline{\text{I}}\text{C, P}\overline{\text{e}} \text{ PrPs} \\ & \text{C}\overline{\text{r}}\text{PIP}^{\circ}\text{P}\overline{\text{i}}\text{P}\overline{\text{e}}, \text{C}\%_{\text{O}}\text{Ps} \text{ PePsC}\overline{\text{H}}\text{P}\overline{\text{e}}\text{C}\overline{\text{I}}\text{C, CH} \text{ PIC}-\text{Pr} \text{ P}\rangle\text{C}-\text{PeC}\overline{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\overline{\text{I}} \text{ P}\overline{\text{i}}\text{PsPIP}\overline{\text{e}}\text{PSPSP}^{\circ} \\ & \text{P}\overline{\text{i}}\text{P}_{\text{U}}\text{C}\overline{\text{H}}\text{P}_{\text{U}}\text{PIP}^{\circ}\text{P}\overline{\text{I}}\text{P}^{\circ}\text{C, P}\overline{\text{e}} \text{ P}\overline{\text{i}}\text{PsP}\overline{\text{I}}\text{P}\rangle\text{P}\overline{\text{e}}\text{PIP}\overline{\text{e}}\text{P}_{\text{N}} \text{ C}\overline{\text{H}}\text{P}\overline{\text{e}}\text{P}\cdot\text{P}\overline{\text{e}}\text{Pe} \text{ PrP}\rangle\text{C}\overline{\text{I}} \text{ P}\overline{\text{i}}\text{P}^{\circ}\text{C}\overline{\text{I}}\text{C}-\text{C}''\text{PSC, P}^{\circ}. \end{aligned}$$

$\text{P}_{\text{H}}\text{P}^{\circ}\text{C}\dagger\text{C}-\text{C}^{\circ}\text{PSC},\text{P}\ddot{\text{e}}, \text{C}\ddot{\text{U}}\text{PeC}-\text{PjP}^{\circ}\text{C}\ddot{\text{H}}\text{C},\text{C}\ddot{\text{H}}\text{P}\ddot{\text{I}}\text{PsPiP}^{\circ}\text{PSP}\ddot{\text{e}}\text{PN}\ddot{\text{e}}\text{P}\cdot\text{P}^{\circ}\text{PiP}^{\circ}\text{P}\rangle\text{C}\ddot{\text{H}}\text{PSP}\ddot{\text{e}}\text{PN}\ddot{\text{e}}\text{C}\ddot{\text{I}}\text{C},\text{P}^{\circ}\text{PS}$
 $\text{P}\cdot\text{PrPsC}\ddot{\text{H}}\text{PsPi}\ddot{\text{b}}\ddot{\text{H}}^{\text{TM}}\text{C}\ddot{\text{U}}\text{C}\ddagger\text{P}_{\text{H}}\text{C}\ddot{\text{H}}\text{P}_{\text{H}}\text{P}\cdot\text{PIC}-\text{Pe}\text{P}^{\circ}\text{P}\pm\text{Ps}\text{PI}\text{C}\ddot{\text{H}}\text{P}_{\text{H}}\text{P}\cdot\text{C}\ddot{\text{r}}\text{P}\rangle\text{C}\ddot{\text{H}}\text{C},\text{P}^{\circ}\text{C},\text{C}-$
 $\text{PSP}^{\circ}\text{C}\ddot{\text{U}}\text{PIPSPsC}\ddot{\text{I}}\text{C},\text{C}-\text{C}-\text{PSC}\ddot{\text{e}}\text{P}\ddot{\text{e}}\text{C}\dots\text{PePsPjPiC}\ddot{\text{H}}\text{PsPjP}_{\text{H}}\text{C},\text{C}\ddot{\text{r}}\text{C}\ddot{\text{H}}\text{C}\ddagger\text{P}\ddot{\text{e}}\text{C}\dots\text{C}_{,,}\text{P}^{\circ}\text{PeC},\text{PsC}\ddot{\text{H}}\text{C}-\text{PI},$
 $\text{C},\text{P}^{\circ}\text{PeP}\ddot{\text{e}}\text{C}\dots\text{C}\ddot{\text{U}}\text{Pe}\text{C}\ddagger\text{P}^{\circ}\text{C}\ddot{\text{I}}\text{C},\text{PePsPIP}^{\circ}\text{P}^{\circ}\text{P}\pm\text{Ps}\text{PiPsPIPSP}^{\circ}\text{P}\pm\text{P}\rangle\text{PsPeP}^{\circ}\text{PrP}^{\circ}\text{C}\ddot{\text{I}}\text{P}_{\text{H}}\text{C}\ddot{\text{H}}\text{C}\ddagger\text{P}_{\text{H}}\text{PIPsC}-$
 $\text{PiC}\ddot{\text{H}}\text{PsPIC}-\text{PrPSPSc}\ddot{\text{I}}\text{C},\text{C}-,\text{PiC}\ddot{\text{H}}\text{PsPiC}\ddot{\text{H}}\text{P}_{\text{H}}\text{C}\ddot{\text{I}}\text{C}\ddot{\text{r}}\text{C}\ddot{\text{H}}\text{C}\ddagger\text{C}-\text{PiPsC}\ddot{\text{H}}\text{C}\ddot{\text{r}}\text{C}\ddot{\text{e}}\text{P}_{\text{H}}\text{PSPSC}\ddot{\text{U}}\text{C}_{,,}\text{C}\ddot{\text{r}}\text{PSPeC}\ddagger\text{C}-\text{C}-$
 $\text{PiP}_{\text{H}}\text{C}\ddagger\text{C}-\text{PSPeP}\ddot{\text{e}}\text{P}^{\circ}\text{P}\pm\text{Ps}\text{PSP}\ddot{\text{e}}\text{C}\ddot{\text{H}}\text{PsPe},\text{PiPsC},\text{C}\ddot{\text{H}}\text{P}_{\text{H}}\text{P}\pm\text{C}\ddot{\text{r}}\text{C}\ddot{\text{H}}\text{C},\text{C}\ddot{\text{H}}\text{PsC}\ddot{\text{I}}\text{PsP}\pm\text{P}\rangle\text{P}\ddot{\text{e}}\text{PIPsC}-$

СрРІР°РіРё, С...РsС±Р° РІРёРёРsСђРёСђС,Р°РSPSCІ РіСђРsРІС-РrРSPёРёРsРІРsС—
Р°РSPµСђС,РµР·С-С— РjРsР¶Рµ Р±СрС,Рё РsРіС,РёРjР°Р»СђРSPёРj РІРёР±Р±РsСђРsРj РrР»СІ
РіСђРsРІРµРrРµРSPSCІ С...С-СђСрСђРіС-С±РSPsС— РsРіРµСђР°С†С-С— Ср С†РёС...
РіР°С†С-С”РSC,С-РІ.

РµР°С†С-С”РSC,Рё, СІРёС- РsС,СђРёРjСрСђС,Сђ Р°РSC,РёР°СђРёС,РjС-С±РSC-
Р»С-РёР°СђСђСђРёС- Р°Р°СђРsР±Рё РёР»Р°СђСр ІІІ (РSP°РіСђРёРёР»Р°Р°Р°,
Р°РjС-РsРrР°СђРsРS), РіРsРІРёРSPSC- РіРµСђРµР±СрРІР°С,Рё РіС-Рr СђРµС,РµР»СђРSPёРj
РSP°РіР»СІРrРsРj. РђСђС-Рj С,РsРіРs, СђР»С-Рr РІСђР°С...РsРІСрРІР°С,Рё
РSPµРsР±С...С-РrРSC-СђС,Сђ РіСђРsРІРµРrРµРSPSCІ Р°РђР”-РjРsРSC-С,РsСђРёРSPіСр,
РsСђРёС-Р»СђРёРё РёР°СђРrС-РsР»РsРіС-С±РSC- РµС,,РµРёС,Рё РіСђРµРіР°СђР°С,С-РІ
РjРsР¶СрС,Сђ Р±СрС,Рё Р°РrРёС,РёРІSPёРjРё.

Рj СђР°Р·С- РІСђС,Р°РSPsРІР»РµРSPsС— РSPµРіРµСђРµРSPsСђРёРjРsСђС,С- РrРµСІРёРёС...
С†СрРёСђС-РІ СђР»С-Рr РіСђРsРёРsРSCІСрС»СђС,СрРІР°С,РёСђСІ Р° Р»С-РёР°СђРµР°Рj,
РіРµСђСё РSC-Р¶ РіСђРёРёРjР°С,Рё С†РµРµ Р»С-РёР°СђСђСђРёРё Р°Р°СђС-Р±. Р—
РsР±РµСђРµР¶РSC-СђС,Сђ Р°Р°СђС,РsСђРsРІСрРІР°С,Рё С...РІРsСђРёРj РSP°
С†СрРёСђРsРІРёРё РrС-Р°Р±РµС,.

Р—Р°СђС,РsСђСзРІР°РSPSCІ Сз РіРµСђС-РsРr РІР°РіС-С,РSPsСђС,С-В Р°Р±Рs
РіРsРrСзРІР°РSPSCІ РіСђСзРrРсђ.

Р°Р°РіС-С,РSC-СђС,Сђ

Р”РsРёР°Р·С-РІ РSPµСђРіСђРёСІС,Р»РёРІРsРіРs РІРіР»РёРІСр РіСђРµРіР°СђР°С,Ср РSP°
РІР°РіС-С,РSC-СђС,Сђ Ср Р»СђРrРёРSPё РSPµРjР°С”.

Р†СђРSPСрСђС,Сђ РrРsРёР°Р·Рё Р·РSPёР¶РµРSPSCІ РІРёР¶РёРІР°РSPSCІ РіСђРёРіР»РsРrСр
Ср С°СрСђС-РІ С- РµРjР±СђС-РsР»РsРіС-С±РSPsРіРs РІРіР»РёРІСр РіСђРµРіР°СђР°С,Ср Ср
РёСђРsР»С-РІ РіСђРё Р°Р°СђС,РsСђСрРІР°РSPSC- РіСђРµРіР°СђР°С,Ср Ср РІРёСђРsРёРёС...
РrРsР°С... РіС-Рr С±Р°Сђ РІР°РіС-С,РSPsСђС,С-. РŷР°РёРёРj С±РёРSPsРj
Р’СрРіС-РІР°РёР°С—РS СђРіС-РSP°Р» РSPµ СђР»С-Рr Р°Р°СђС,РsСђРsРІСрРІР°С,Рё Ср
СђР°РSPSC- С,РµСђРjС-РSPё РІР°РіС-С,РSPsСђС,С-, РёСђС-Рj РІРёРіР°РrРёС-РІ, РёРsР»Рё
РІРІР°Р°С”С,СђСІСІ, С°Рs РіРµСђРµРіР°РіРё РІС-Рr Р°Р°СђС,РsСђСрРІР°РSPSCІ
РіСђРµРіР°СђР°С,Ср РіРµСђРµРіР°РіРёС°СрСђС,Сђ СђРёР·РёРёРё.

Р”РsР·Ср РіСђРµРіР°СђР°С,Ср РSPµРsР±С...С-РrРSPs Р·РjРµРSCёРёС,Рё РrР»СІ
РіР°С†С-С”РSC,РsРё, СІРёС- Р°РSP°С...РsРrСІС,СђСІСІ РSP° РіС-Р·РSC-С...
С,РµСђРjС-РSP°С... РІР°РіС-С,РSPsСђС,С-.

РµРµСђС-РsРr РіРsРrСзРІР°РSPSCІ РіСђСзРrРсђ

Р’СрРіС-РІР°РёР°С—РS РіСђРsРSPёРёР°С” Ср РіСђСрРrРSPµ РjРsР»РsРёРs, Р°Р»РІ
С,Р°РёРёС... РSPµР·РSP°С±РSPёС... РёС-Р»СђРёРsСђС,СІС..., С°Рs Р°Р°Р·РІРёС±Р°Рё
СђРёР·РёРіРі РІРіР»РіРі РSP° РrРёС,РёРSCр РіСђРё Р°Р°СђС,РsСђСрРІР°РSPSC-
С,РµСђР°РіРіРІС,РёС±РSPёС... РrРsР· РіСђРµРіР°СђР°С,Ср РІС-РrСђСрС,РSC-Рё.

***P—P_ГP°C,PSC-СГC,CH PIPiP»PëPIP°C,Pë
PSP° C€PIPëP_ГPεC-СГC,CH
C_ГPμP°PεC†C-C— PïC_ГPë
PεPμC_ГCáPIP°PSPSC-
P°PIC,PsC,C_ГP°PSCГPïPsC_ГC,PsPj P°P±Ps
C-PSC€PëPjPë PjPμC...P°PSC-P·PjP°PjPë.***

Р_ГС_ГC-Pj PïC_ГC_ГPjPsPiPs PIPiP»PëPIC_Г P°PSPμCГC,PμC,PëPεC-PI, PjC-СГC†PμPIC-
P°PSPμCГC,PμC,PëPεPë PjPsP¶C_ГC,CH PIPëC_ГPIP»C_ГC,Pë PrC_ГP¶Pμ PSPμP·PSP°C†PSPëP№
PμC,,PμPεC, PSP° PïCГPëC...C-C†PSC- C,,C_ГPSPεC†C-C— C,P° PεPsPsC_ГPrPëPSP°C†C-CH
C_ГC_ГC...C-PI, PSP°PIC-C,CH P·P° PIC-PrCГC_ГC,PSPsCГC,C- C_ГPIPSPsPiPs
C,PsPεCГPëC†PSPsPiPs PIPiP»PëPIC_Г PSP° P|P_ГPÿ, P° C,P°PεPsP¶ PjPsP¶C_ГC,CH
PïC_ГPëP·PIPsPrPëC,Pë PrPs C,PëPjC†P°CГPsPiPs PïPsPiC-C_ГC€PμPSPSC_Г C_ГC_ГC...PsPiPsC—
P°PεC,PëPIPSPsCГC,C- C,P° C_ГPIP°P¶PSPsCГC,C-.

PÿPïPsCГC-P± P·P°CГC,PsCГCáPIP°PSPSC_Г C,P° PrPsP·Pë.

P·C_ГPïC-PIP°PεP°C—PS б_Г” P°PSPμCГC,PμC,PëPε C,C_ГPëPIP°P»PsC— PrC-C— P°PjC-PrPSPsPiPs
C,PëPïC_Г. P·C_ГPïC-PIP°PεP°C—PS CГPïC-PSP°P» PjP°C” C€PIPëPrPεPëP№ PïPsC†P°C,PsPε C,P°
C,C_ГPëPIP°P»PëP№ C,PμC_ГPjC-PS PrC-C—. PÿC_ГPëPIP°P»C-CГC,CH
P·PSPμP±PsP»CHPIP°PSPSC_Г C_Г CГPμPiPjPμPSC,P°C... Pÿ₁₀-Pÿ₁₂ CГC,P°PSPsPIPëC,CH 2-3
PiPsPrPëPSPë.

P—P°CГC,PsCГC_ГPIP°PSPSC_Г PïC_ГPμPïP°C_ГP°C,C_Г P·C_ГPïC-PIP°PεP°C—PS CГPïC-PSP°P»
PïC_ГPëP·PIPsPrPëC,CH PrPs PïPsPjC-C_ГPSPsPiPs C_ГPsP·CГP»P°P±P»PμPSPSC_Г Pjб_Г™ C_ГP·C-PI
PSPëP¶PSC-C... PεC-PSC†C-PIPsPε C,C_ГPëPIP°P»C-CГC,CH 2-2,5 PiPsPrPëPSPë. P·P»PsPεP°PrP°
CГPεPsC_ГPsC†C_ГPIP°P»CHPSPsC— P°PεC,PëPIPSPsCГC,C- Pjб_Г™ C_ГP·C-PI C†PμC_ГPμPIPSPsPiPs
PïC_ГPμCГP° CГPïC_ГPëC_ГC” C,PsPjC_Г, C%Ps C_ГPsP·C†PëPS PïC_ГPëPrP°C,PSPëP№ PrP»C_Г
PïC_ГPsPIPμPrPμPSPSC_Г PsPïPμC_ГP°C†C-P№ PI P°P±PrPsPjC-PSP°P»CHPSC-P№
C...C-C_ГC_ГC_ГPiC-C— C,C_ГPëPIP°P»C-CГC,CH 45-60 C...PIPëP»PëPS. PÿC_ГPëPIP°P»C-CГC,CH
P±P»PsPεP°PrPë CГPεPsC_ГPsC†C_ГPIP°P»CHPSPsC— P°PεC,PëPIPSPsCГC,C- Pjб_Г™ C_ГP·C-PI
PSPμ PïPμC_ГPμPIPëC%C_ГC” C,C_ГPëPIP°P»PsCГC,C- P·PSPμP±PsP»CHPIP°PSPSC_Г. P·PïP»PëPI
PïC_ГPμPïP°C_ГP°C,C_Г P·C_ГPïC-PIP°PεP°C—PS CГPïC-PSP°P» PSP° CГPμC_ГC†PμPIPs-
CГC_ГPrPëPSPSC_Г CГPëCГC,PμPjC_Г PïPsPrC-P±PSPëP№ P°P±Ps PjPμPSC€ PIPëC_ГP°P¶PμPSPëP№,
PSC-P¶ PμC,,PμPεC,Pë, C%Ps CГPïPsCГC,PμC_ГC-PiP°C_ГC,CHCГC_Г PïC_ГPë
P·P°CГC,PsCГC_ГPIP°PSPSC- C-PSC€PëC... PïC_ГPμPïP°C_ГP°C,C-PI, PïC_ГPëP·PSP°C†PμPSPëC...
PrP»C_Г PïC_ГPsPiPμPrPμPSPSC_Г CГPïPëPSPSPsPjPsP·PεPsPiPsC— P°PSPμCГC,PμP·C-C—.
P·C_ГPïC-PIP°PεP°C—PS C_Г PrPsP·C- 5 PjPi/PjP» P· PïP»CHPεPsP·PsC_Г C_Г PrPsP·C- 80 PjPi/PjP»
PIPëPSC_ГC,PεPsPiPs PrPsP±C_ГPμ PïPμC_ГPμPSPsCГPëC,CHCГC_Г PICГC-PjP°
C,PεP°PSPëPSP°PjPë, P· C_ГPεPëPjPë PIC-PS PICГC,C_ГPïP°C” C_Г PεPsPSC,P°PεC,.

PÿPïPsCГC-P± P·P°CГC,PsCГC_ГPIP°PSPSC_Г PrP»C_Г C-PSC,C_ГP°C,PμPεP°P»CHPSPsPiPs
PIPIPμPrPμPSPSC_Г.

Р"PsCḡPsCḡP»C- C,P° PrC-C,Pë PIC-PePsPj PIC-Pr 12 CḡPsPeC-PI

P PμPePsPjPμPSPPrPsPIP°PSC- PSPëP¶C‡Pμ PrPsP·Pë P»C-PeP°CḡCḡCHPePsPiPs P·P°CḡPsP±Cḡ
CḡP»C-Pr CḡPsP·PiP»CḡPrP°C,Pë CḡPe PePμCḡC-PIPSPëC‡C,PIPs PrP»Cḡ
P·P°CḡC,PsCḡCḡPIP°PSPSCḡ PiCḡPμPiP°CḡP°C,Cḡ PrPsCḡPsCḡP»PëPj CḡPμCḡPμPrPSCḡPsPiPs
PIC-PeCḡ.

PiPëC,,CḡPë PIC-PrPsP±CḡP°P¶P°CḡC,CH PsC‡C-PeCḡPIP°PSPëPNë PrC-P°PiP°P·PsPS
CḡPμCḡPμPrPSC-C... PrPsPiCḡCḡC,PëPjPëC... PrPsP· PiCḡPμPiP°CḡP°C,Cḡ. Pj PIPëPiP°PrPeCḡ
PSP°CḡPIPSPsCḡC,C- C,,P°PeC,PsCḡC-PI, C%Ps PIPiP»PëPIP°CḡC,CH PSP° PsPeCḡPμPjPs
PIP·CḡC,C- PjPμC,PsPrPëPePë PiCḡPsPIPμPrPμPSPSCḡ P±P»PsPeP°PrPë, C,P° PrP»Cḡ
P·P°P±PμP·PiPμC‡PμPSPSCḡ C-PSPPrPëPIC-PrCḡP°P»CHPSPëC... PIPëPjPsPi PiP°C‡C-C"PS C-PI
CḡP»C-Pr P±CḡP°C,Pë PrPs CḡPIP°PiPë CḡC,P°PSPPrP°CḡC,PSC- CḡPμPePsPjPμPSPPrP°C‡C-C-
C%PsPrPs PrPsP·.

P"PsCḡPIC-Pr P»C-PeP°CḡC-PI C- PrP°PSC- PiCḡPs C,,C-P·PëC‡PSPëPNë CḡC,P°PS
PiP°C‡C-C"PS C,P° PIP°P¶P»PëPIPëPjPë C,,P°PeC,PsCḡP°PjPë PiCḡPë CḡPsP·CḡP°C...CḡPSPeCḡ
PSPμPsP±C...C-PrPSPsC— PrPsP·Pë PiCḡPμPiP°CḡP°C,Cḡ. PŸP»C-Pr
P·P°CḡC,PsCḡPsPICḡPIP°C,Pë PSP°PNëPSPëP¶C‡C- PrPsP·Pë, PSPμPsP±C...C-PrPSC- PrP»Cḡ
PiCḡPsPIPμPrPμPSPSCḡ P°PrPμPePIP°C,PSPsC— P°PSPμCḡC,PμP·C-C—. PḡP° PiPsC‡P°C,PeCḡ
C,P° PiC-Pr C‡P°Cḡ PiCḡPsPIPμPrPμPSPSCḡ P°PSPμCḡC,PμP·C-C— PjPsP¶P»PëPIC-
PIPëPiP°PrPePë C-PSPPrPëPIC-PrCḡP°P»CHPSPsC— PjC-PSP»PëPIPsCḡC,C-, C- CḡC,CḡPiC-PSCH
PiPsC€PëCḡPμPSPSCḡ P°PSPμCḡC,PμP·C-C— PjPsP¶Pμ P±CḡC,Pë PIP°P¶PePs
PiPμCḡPμPrP±P°C‡PëC,Pë, PsPrPSP°Pe PIC-PS P·P°P»PμP¶P°C,PëPjPμ PIC-Pr PsP±Bḡ™ C"PiCḡ
P·P°CḡC,PsCḡPsPICḡPIP°PSPsPiPs P»C-PeP°CḡCḡCHPePsPiPs P·P°CḡPsP±Cḡ.

*P PμPePsPjPμPSPPrP°C‡C-C— C%PsPrPs PrPsP·CḡPIP°PSPSCḡ P»C-PeP°CḡCḡCHPePsPiPs
P·P°CḡPsP±Cḡ*

P‡PSC,CḡP°C,PμPeP°P»CHPSP° P°PSPμCḡC,PμP·C-Cḡ PI C...C-CḡCḡCḡPiC-C—:

2-4 PjP» (10-20 PjPi P±CḡPiC-PIP°PeP°C—PSCḡ PiC-PrCḡPsC...P»PsCḡPëPrCḡ).

P"PsP·Cḡ PiCḡPμPiP°CḡP°C,Cḡ CḡP»C-Pr P·PjPμPSC€PëC,Pë PrP»Cḡ PiP°C‡C-C"PS C-PI
P»C-C,PSCHPsPiPs PIC-PeCḡ C- PiP°C‡C-C"PS C,PsPe, CḡPeC- P·PSP°C...PsPrCḡC,CHCḡCḡ PSP°
PiC-P·PSC-C... CḡC,P°PrC-CḡC... PIP°PiC-C,PSPsCḡC,C-.

PḡPsPIPsPSP°CḡPsPrP¶PμPSC-, PSPμPjPsPIP»CḡC,P° C- PrC-C,Pë P· PjP°CḡPsCḡ
C,C-P»P° PrPs 40 PePi

P'CḡPiC-PIP°PeP°C—PS CḡPiC-PSP°P» PjPsP¶PSP° P·P°CḡC,PsCḡPsPICḡPIP°C,Pë Cḡ
PiPμPrC-P°C,CḡPëC‡PSC-PNë PiCḡP°PeC,PëC‡C-.

PḡPrPSP° P· PIC-PrPjC-PSPSPsCḡC,PμPNë PjC-P¶ PrC-C,CHPjPë C- PrPsCḡPsCḡP»PëPjPë Bḡ"
C‡Pμ PIC-PrPSPsCḡPSPs PIPëCḡPsPePëPNë PsP±Bḡ™ C"Pi CḡPiPëPSPSPsPjPsP·PePsPiPsC—
CḡC-PrPëPSPë Cḡ PSPμPjPsPIP»CḡC, C- PSPsPIPsPSP°CḡPsPrP¶PμPSPëC..., C%Ps
PIPëPjP°PiP°C" P·P°CḡC,PsCḡCḡPIP°PSPSCḡ PIC-PrPSPsCḡPSPs P±C-P»CHC€PsC— PrPsP·Pë
PiCḡPμPiP°CḡP°C,Cḡ/PeC-P»PsPiCḡP°Pj PjP°CḡPë C,C-P»P° PrP»Cḡ PrPsCḡCḡPiPSPμPSPSCḡ
C,PsPiPs P¶ CḡC-PIPSḡCḡ P±P»PsPeP°PrPë PiPsCḡC-PIPSḡCḡPSPs P· PrPsCḡPsCḡP»PëPjPë.B

PḡCḡPsC‡PμPrCḡCḡPë CḡPμPiC-PsPSP°CḡPSPsC— P°PSPμCḡC,PμP·C-C— Cḡ PrC-C,PμPNë
PiPsPIPëPSPSC- PIPëPePsPSCḡPIP°C,Pë PePIP°P»C-C,,C-PePsPIP°PSC- P»C-PeP°CḡC-, CḡPeC-

PjP°CHC,CH PSP°P»PμP¶PSPëPNë PrPsCÍPIC-Pr PíCĤPsPIPμPrPμPSPSCĬ
CĤPμPiC-PsPSP°CĤPSPsC— P°PSPμCÍC,PμP·C-C— PrC-C,CĬPj, P° C,P°PePsP¶ PrPsCÍPIC-Pr
PIPëPePsPSP°PSPSCĬ PjPμC,PsPrPëPePë P°PSPμCÍC,PμP·C-C—.

P°PsP·Pë, P·P°P·PSP°C±PμPSC- PI C,P°P±P»PëC†C- 1, CÍP»C-Pr CĤPsP·PiP»CĬPrP°C,Pë CĬPe
PePμCĤC-PIPSC- CÍ PIPëPiP°PrPeCÍ P·P°CÍC,PsCÍCÍPIP°PSPSCĬ P»C-PeP°CĤCÍCHPePsPiPs
P·P°CÍPsP±CÍ PI PiPμPrC-P°C,CĤC-C—. PŸPiPsCÍC,PμCĤC-PiP°P»PëCÍCĬ PIPëPiP°PrPePë
C-PSPPrPëPIC-PrCÍP°P»CHPSPsC— PjC-PSP»PëPIPSCÍC,C-. PŸC,P°PSPPrP°CĤC,PSC-
CĤPμPePsPjPμPSPPrP°C†C-C— C°PsPrPs PrPsP· CÍP»C-Pr P±CĤP°C,Pë PrPs CÍPIP°PiPë CÍ
PIPëPiP°PrPeCÍ PSP°CĬIPSPSCÍC,C- C„P°PeC,PsCĤC-PI, C°Ps PIPiP»PëPIP°CHC,CH PSP°
PsPeCĤPμPjPs PIP·CĬC,C- PjPμC,PsPrPëPePë PíCĤPsPIPμPrPμPSPSCĬ P±P»PsPeP°PrPë, C,P°
PrP»CĬ P·P°P±PμP·PiPμC±PμPSPSCĬ C-PSPPrPëPIC-PrCÍP°P»CHPSPëC... PIPëPjPsPi
PiP°C†C-C°PSC,C-PI.

PŸP»C-Pr P·P°CÍC,PsCÍPsPICÍPIP°C,Pë PSP°PNëPSPëP¶C±C- PSPμPsP±C...C-PrPSC- PrP»CĬ
PíCĤPsPIPμPrPμPSPSCĬ P°PrPμPePIP°C,PSPsC— P°PSPμCÍC,PμP·C-C— PrPsP·Pë
PíCĤPμPiP°CĤP°C,CÍ.

PŸP°P±P»PëC†CĬ 1

P PμPePsPjPμPSPPrP°C†C-C— C°PsPrPs PrPsP·CÍPIP°PSPSCĬ PíCĤPμPiP°CĤP°C,CÍ PrP»CĬ
PSPsPSP°CĤPsPrP¶PμPSPëC..., PSPμPjPsPIP»CĬC, C- PrC-C,PμPNë

PĤP°CÍP° C,C-P»P° (PePi)	P°PsP·P° (PjPi/PePi)
< 5	0,40 БĤ" 0,50
P'C-Pr 5 PrPs 15	0,30 БĤ" 0,40
P'C-Pr 15 PrPs 40	0,25 БĤ" 0,30

P PsP·PiPsPrC-P» PíCĤPμPiP°CĤP°C,CÍ PíC-Pr C±P°CÍ P°PSPμCÍC,PμP·C-C— P·P°P»PμP¶PëC,CH
PIC-Pr PeC-P»CHPePsC... C„P°PeC,PsCĤC-PI, CÍ C,PsPjCÍ C±PëCÍP»C- PIC-Pr PsP±BĤ™C°PjCÍ
CĤPsP·C±PëPSCÍ C- PíPsP»PsP¶PμPSPSCĬ PiP°C†C-C°PSC,P° PíC-Pr C±P°CÍ C,P° PíC-CÍP»CĬ
PíCĤPsPIPμPrPμPSPSCĬ C-PSBĤ™C°PeC†C-C—.

PμCĤPë PIPIPμPrPμPSPSC- CÍ PjC-P¶C...CĤPμP±C†PμPIPëPNë PíCĤPsCÍC,C-CĤ L₃-L₄
PiP°C†C-C°PSC,CÍ, CĬPePëPNë P·PSP°C...PsPrPëC,CHCÍCĬ PI PiPsP»PsP¶PμPSPSC-
CÍPëPrCĬC±Pë, 3 PjP» PíCĤPμPiP°CĤP°C,CÍ P·CÍPíC-PIP°PeP°C—PS CÍPíC-PSP°P»
P»C-PeP°CĤCÍCHPePëPNë P·P°CÍC-P± PíPsCëPëCĤCĤC°C,CHCÍCĬ PrPs CÍPμPiPjPμPSC,C-PI
B B B B B B PŸ₇-PŸ₁₀ CÍPiPëPSPSPsPiPs PjPsP·PeCÍ. Pj PiP°C†C-C°PSC,P°, CĬPePëPNë
PsC,CĤPëPjCÍC° C-PSBĤ™C°PeC†C-CĤ PíCĤPμPiP°CĤP°C,CÍ, PiPμCĤPμP±CÍPIP°CHC±Pë PI
PiPsCĤPëP·PsPSC,P°P»CHPSPsPjCÍ PiPsP»PsP¶PμPSPSC-, P° PiPsC,C-Pj PSP°P±CÍPIP°C°
PíPsP»PsP¶PμPSPSCĬ P»PμP¶P°C±Pë PSP° CÍPiPëPSC-, P±P»PsPeP°PrP°
PíPsCëPëCĤCĤC°C,CHCÍCĬ PrPs CÍPμPiPjPμPSC,C-PI PŸ₄-PŸ₇ CÍPiPëPSPSPsPiPs PjPsP·PeCÍ.
PŸP»C-Pr PIP·CĬC,Pë PrPs CÍPIP°PiPë, C°Ps CĤC-PIPμPSCĤ CÍPiPëPSPSPsPjPsP·PePsPSPsC—
P°PSPμCÍC,PμP·C-C—, C°Ps PrPsCÍCĬPiP°C°C,CHCÍCĬ PíCĤPë PIPIPμPrPμPSPSC-
P±CÍPrCH-CĬPePsPiPs PjC-CÍC†PμPIPSPiPs P°PSPμCÍC,PμC,PëPeP°, PjPsP¶Pμ P±CÍC,Pë
PSPμPiPμCĤPμPrP±P°C±CÍPIP°PSPëPj CÍ PiP°C†C-C°PSC,P°, CĬPePëPNë C—C— PsC,CĤPëPjCÍC°.

P PμPePsPjPμPSPPrPsPIP°PSPμ PjC-CÍC†Pμ C-PSBĤ™C°PeC†C-C— P·PSP°C...PsPrPëC,CHCÍCĬ
PSPëP¶C±Pμ L₃.

P"С-СЦ PиСґPμPиP°СґP°С,Ср Ср PIPëPiP»CЦIPrC- C-PSбґ™С"PeC†C-PNë Ср PrPsP·P°С..., C%oPs PиPμCґPμPIPëC%oCрCґC,Сґ 4 PjP», PrPsC,PμPиPμCґ PSPμ PIPëPIC‡PμPSP°, C,PсPjCр C,P°PeC-PsP±бґ™С"PjPë P·P°CґC,PсCґPsPICрPIP°С,Pë PSPμ CґPμPePsPjPμPSPrCрCґC,Сґ.

P PsP·C‡PëPS PиPsC,CґC-P±PSPs PIPëPePsCґPëCґC,P°С,Pë CЦPePSP°PNëC€PIPëPrC€Pμ PиC-CґP»CЦ C,PсPiPs, CЦPe P°PjPиCрP»P° P±CрP»P° PIC-PrPeCґPëC,P°. P'CрPrCґ-CЦPePëPNë CґPsP·C‡PëPS, C%oPs P·P°P»PëC€PëPICґCЦ, CґP»C-Pr CрC,PëP»C-P·CрPIP°С,Pë.

PμPsCґCЦIPrPsPe CґPsP±PsC,Pë P· P°PjPиCґP»PsCґ

B B B B B B B B B P PëCґ. 1B B B B B B B B B B B
B B B B B B B B B B B B B B B B B B B P PëCґ.
2B P PëCґ.
3B P PëCґ. 4

1. P'С-PrPsPeCґPμPjPëC,Pë PsPrPSCр P°PjPиCрP»Cр PIC-Pr P±P»PsPeCр C- CґC,CґCрCґPSCрC,Pë C—C—, CрC,CґPëPjCрCґC‡Pë P·P° PiPsCґP»PμC‡PePs (P PëCґ. 1).
2. PґC,PëCґPSCрC,Pë P°PjPиCрP»Cр CґCрPePsCґ (PиCґPë C†CґPsPjCр PSPμ PиPsPIPëPSPSPs PIC-PrP±CрPIP°С,PëCґCЦ PIPëPrC-P»PμPSPSCЦ PиCґPμPиP°СґP°С,Cр) C- PsP±PμCґC,P°P»CґPSPëPjPë CґCрC...P°PjPë P·PIPμCґPSCрC,Pë C- PIC-PrPsPeCґPμPjPëC,Pë PiPsP»C-PIPeCр (P PëCґ. 2).
3. P\$PμCґPμP· PsC,PIC-Cґ, C%oPs CрC,PIPsCґPëPICґCЦ, PSPμPiP°PNëPSPs P·бґ™С"PrPSP°С,Pë C€PиCґPëC† P· P°PjPиCрP»PsCґ (P PëCґ. 3).
4. PμPμCґPμPIPμCґPSCрC,Pë P°PjPиCрP»Cр C- PиPsPIC-P»CґPSPs PIC,CЦPiPSCрC,Pë Cр C€PиCґPëC† C—C— PIPjC-CґC, (P PëCґ. 4).
5. PќP°PrC-C,Pë PiPsP»PeCр PSP° C€PиCґPëC†.

P''C-C,Pë.

P'ĆrPïC-PIP°PεP°C—PS CÍPïC-PSP°P» PjPsP¶PSP° P·P°CÍC,PsCÍPsPICrPIP°C,Pë CÍ
PïPμPΓC-P°C,CĤPëC‡PSC-PN₀ PïCĤP°PεC,PëC†C-. P''P»Cı P±C-P»CHC€ PΓPμC,P°P»CHPSPsC—
C-PSC,,PsCĤPjP°C†C-C— PΓPëPI. CĤPsP·PΓC-P» B«PŸPïPsCÍC-P± P·P°CÍC,PsCÍCÍPIP°PSPSCı
C,P° PΓPsP·PëB».

PμPμCĤPμPΓPsP·CzPIP°PSPSCı.

PĤP°P»PsPN₀PjPsPIC-CĤPSPs, C%₀Ps
P·P°CÍC,PsCÍCÍPIP°PSPSCı
PïCĤPμPïP°CĤP°C,CÍ
P'ĆrPïC-PIP°PεP°C—PS CÍPïC-PSP°P» CÍ
CĤPμPεPsPjPμPSPΓPsPIP°PSPëC...
PΓPsP·P°C... PïCĤPëP·PIPμPΓPμ PΓPs
CÍC,PIPsCĤPμPSPSCı PIPëCÍPsPεPëC...
PεPsPSC†PμPSC,CĤP°C†C-PN₀
PïCĤPμPïP°CĤP°C,CÍ PI PεCĤPsPIC-, C%₀Ps
PjPsP¶CÍC,CH PïCĤPëP·PIPμCÍC,Pë PΓPs
CĤPsP·PIPëC,PεCÍ CÍPëCÍC,PμPjPSPsC—
C,PsPεCÍPëC‡PSPsCÍC,C-. PμCĤPsC,Pμ CÍ
CĤP°P·C- PsPΓPSPsC‡P°CÍPSPsPiPs
P·P°CÍC,PsCÍCÍPIP°PSPSCı
PïCĤPμPïP°CĤP°C,CÍ P· C-PSC€PëPjPë
PjC-CÍC†PμPIPëPjPë
P°PSPμCÍC,PμC,PëPεP°PjPë PjPsP¶CÍC,CH
PIPëPSPëPεPSCÍC,Pë CÍPëCÍC,PμPjPSC-

C,PsPeCΓPëC‡PSC- CḡPμP°PeC†C-C—, PsCΓPeC-P»CHPePë C,PsPeCΓPëC‡PSC- PμC,,PμPeC,Pë C” P°PḡPëC,PëPIPSPëPjPë.

PμPsP±C-C‡PSC- CḡPμP°PeC†C-C—.

PμCḡPsC,,C-P»CH PSPμP±P°P¶P°PSPëC... CḡPμP°PeC†C-PNë, C%Ps PIPëPSPëPeP°CHC,CH
PïCḡPë P·P°CΓC,PsCΓCḡPIP°PSPSC- PïCḡPμPïP°CḡP°C,Cḡ, PïPsPrC-P±PSPëPNë PrPs
PïCḡPsC,,C-P»CH PSPμP±P°P¶P°PSPëC... CḡPμP°PeC†C-PNë, C%Ps PIPëPSPëPeP°CHC,CH
PïCḡPë P·P°CΓC,PsCΓCḡPIP°PSPSC- C-PSCëPëC... PjC-CΓC†PμPIPëC... P°PSPμCΓC,PμC,PëPeC-PI
C,CḡPëPIP°P»PsC— PrC-C— PrP»Cḡ PïCḡPsPIPμPrPμPSPSCḡ
C-PSC,CḡP°C,PμPeP°P»CHPSPsC— P°PSPμCΓC,PμP·C-C—.

PḡPμP±P°P¶P°PSC- CḡPμP°PeC†C-C— PïPμCḡPμCḡP°C...PsPIP°PSC- PSPëP¶C‡Pμ P·P°
PeP»P°CΓP°PjPë CΓPëCΓC,PμPj PsCḡPïP°PSC-PI C,C-P»P° C- P°P±CΓPsP»CHC,PSPsCH
C‡P°CΓC,PsC,PsCH. P§P°CΓC,PsC,P° PIPëP·PSP°C‡P°C”C,CHCΓCḡ CḡPe PrCḡP¶Pμ C‡P°CΓC,Ps (≥
1/10), C‡P°CΓC,Ps (PIC-Pr ≥ 1/100 PrPs < 1/10), PSPμC‡P°CΓC,Ps (PIC-Pr ≥ 1/1000 PrPs < 1/100),
CḡC-PrPePs (PIC-Pr ≥ 1/10000 PrPs < 1/1000), C‡P°CΓC,PsC,P° PSPμPIC-PrPsPjP° (PSPμ
PjPsP¶Pμ P±CḡC,Pë PsC†C-PSPμPSP° P·P° PSP°CḡPIPSPëPjPë PrP°PSPëPjPë).

PḡP°P±P»PëC†Cḡ 2

PḡPμP±P°P¶P°PSC- CḡPμP°PeC†C-C—, C%Ps PIPëPSPëPeP°CHC,CH PïCḡPë
P·P°CΓC,PsCΓCḡPIP°PSPSC- PïCḡPμPïP°CḡP°C,Cḡ

PḡP»P°CΓ CΓPëCΓC,PμPj PsCḡPïP°PSC-PI	PḡP»P°CΓPëC,,C-PeP°C†C-Cḡ P·P° C‡P°CΓC,PsC,PsCH	PḡPμP±P°P¶P°PSP° CḡPμP°PeC†C-Cḡ PSP° P·P°CΓC,PsCΓCḡPIP°PSPSCḡ PïCḡPμPïP°CḡP°C,Cḡ
P— P±PsPeCḡ C-PjCḡPSPSPsC— CΓPëCΓC,PμPjPë	CḡC-PrPePs	PḡP»PμCḡPïC-C‡PSC- CḡPμP°PeC†C-C—, P°PSP°C,,C-P»P°PeC,PëC‡PSPëPNë CëPsPe
P— P±PsPeCḡ PSPμCḡPIPsPIPsC— CΓPëCΓC,PμPjPë	C‡P°CΓC,Ps	P”PsP»PsPIPSPëPNë P±C-P»CH, C%Ps CḡPsP·PIPëPIP°C”C,CHCΓCḡ PïC-CΓP»Cḡ PïCḡPSPeC†C-C— C,PIPμCḡPrPsC— PjPsP·PePsPIPsC— PsP±PsP»PsPSPëPë
	PSPμC‡P°CΓC,Ps	PμP°CḡPμCΓC,PμP·C-Cḡ, PïP°CḡPμP·, PrPëP·PμCΓC,PμP·C-Cḡ
	CḡC-PrPePs	PμPsPIPSP° PSPμPïPμCḡPμPrP±P°C‡CḡPIP°PSP° CΓPïPëPSPSPsPjPsP·PePsPIP° P±P»PsPeP°PrP°, PïP°CḡP°PïP»PμPiC-Cḡ, PïP°CḡP°P»C-C‡, PSPμPNëCḡPsPïP°C,C-Cḡ, P°CḡP°C...PSPsC—PrPëC,

P— P±PsPeCf CÍPµCĤC†CĬ	PrCfP¶Pµ C‡P°CÍC,Ps	PĥCĤC,PµCĤC-P°P»CḤPSP° PiC-PiPsC,PµPSP·C-CĬ,B P±CĤP°PrPëPeP°CĤPrC-CĬ
	CĤC-PrPePs	P—CfPiPëPSPeP° CÍPµCĤC†CĬ
P— P±PsPeCf PrPëC...P°P»CḤPSPsC— CÍPëCÍC,PµPjPë, PsCĤPiP°PSC-PI PiCĤCfPrPSPsC— PeP»C-C,PePë C,P° CÍPµCĤPµPrPsCÍC,C-PSPSCĬ	CĤC-PrPePs	PµCĤPëPiPSC-C‡PµPSPSCĬ PrPëC...P°PSPSCĬ
P— P±PsPeCf C,CĤP°PIPSPsC— CÍPëCÍC,PµPjPë	PrCfP¶Pµ C‡P°CÍC,Ps	PkCfPrPsC,P°
	C‡P°CÍC,Ps	P'P»CḤPIP°PSPSCĬ
P— P±PsPeCf CÍPePµP»PµC,PSPs- PjḡĤ™ CĬP·PsPIPSC— CÍPëCÍC,PµPjPë, CÍPiPsP»CfC‡PSPsC— C,PeP°PSPëPSPë C- PeC-CÍC,PsPe	PSPµC‡P°CÍC,Ps	PŸP»P°P±PeC-CÍC,CḤ PjḡĤ™ CĬP·C-PI, P±C-P»CḤ Cf CÍPiPëPSC-
P— P±PsPeCf PSPëCĤPsPe C,P° CÍPµC‡PsPIPëPrC-P»CḤPSPsC— CÍPëCÍC,PµPjPë	C‡P°CÍC,Ps	P—P°C,CĤPëPjPeP° CÍPµC‡C-, PSPµC,CĤPëPjP°PSPSCĬ CÍPµC‡C-

PµPsP±C-C‡PSC- CĤPµP°PeC†C-C—, CÍPiCĤPëC‡PëPSPµPSC- CÍP°PjPëPj
PiCĤPµPiP°CĤP°C,PsPj, PIP°P¶PePs PIC-PrCĤC-P·PSPëC,Pë PIC-Pr
C,,C-P·C-PsP»PsPiC-C‡PSPëC... PµC,,PµPeC,C-PI, PiPsPIḡĤ™ CĬP·P°PSPëC... C-P·
P±P»PsPeP°PrPsCĤ PSPµCĤPIPsPIPëC... PIPsP»PsPePsPS (PSP°PiCĤPëPeP»P°Pr,
P·PSPëP¶PµPSPSCĬ P°CĤC,PµCĤC-P°P»CḤPSPsPiPs C,PëCÍPeCf, P±CĤP°PrPëPeP°CĤPrC-CĬ,
C,PëPjC‡P°CÍPsPIP° P·P°C,CĤPëPjPeP° CÍPµC‡C-), CÍC,P°PSC-PI, CÍPiCĤPëC‡PëPSPµPSPëC...
P±PµP·PiPsCÍPµCĤPµPrPSCĤPs PiCĤPsC†PµPrCfCĤPsCĤ (PSP°PiCĤPëPeP»P°Pr,
CÍPiPëPSPSPsPjPsP·PePsPIP° PiPµPjP°C,PsPjP°) P°P±Ps PsPiPsCÍPµCĤPµPrPePsPIP°PSPs
PiPsP»PePsPIPsCĤ PiCfPSPeC†C-C"Ĥ (PSP°PiCĤPëPeP»P°Pr, PjPµPSC-PSPiC-C,,
PµPiC-PrCfCĤP°P»CḤPSPëPñ P°P±CÍC†PµCÍ), P°P±Ps CÍC,P°PSC-PI,
PiPsPIḡĤ™ CĬP·P°PSPëC... C-P· PIPëC,PsPePsPj C†PµCĤPµP±CĤPsCÍPiC-PSP°P»CḤPSPsC—
CĤC-PrPëPSPë (PSP°PiCĤPëPeP»P°Pr, PiPsP»PsPIPSPëPñ P±C-P»CḤ, C%Ps
CĤPsP·PIPëPIP°C"C,CḤCÍCĬ PiC-CÍP»CĬ PiCfPSPeC†C-C— C,PIPµCĤPrPsC— PjPsP·PePsPIPsC—
PsP±PsP»PsPSPëPë).

P"PsCÍC,CĤP° CÍPëCÍC,PµPjPSP° C,PsPeCÍPëC‡PSC-CÍC,CḤ

PñP°P»PsPñPjPsPIC-CĤPSPs, C%Ps P·P°CÍC,PsCÍCfPIP°PSPSCĬ PiCĤPµPiP°CĤP°C,Cf PI
CĤPµPePsPjPµPSPPrPsPIP°PSPëC... PrPsP·P°C... PiCĤPëP·PIPµPrPµ PrPs CfC,PIPsCĤPµPSPSCĬ
PIPëCÍPsPePëC... PePsPSC†PµPSC,CĤP°C†C-Pñ PiCĤPµPiP°CĤP°C,Cf PI PeCĤPsPIC-, C%Ps
PjPsP¶CfC,CḤ PiCĤPëP·PIPµCÍC,Pë PrPs CĤPsP·PIPëC,PeCf CÍPëCÍC,PµPjPSPsC—
C,PsPeCÍPëC‡PSPsCÍC,C-. PµCĤPsC,Pµ Cf CĤP°P·C- PsPrPSPsC‡P°CÍPSPsPiPs
P·P°CÍC,PsCÍCfPIP°PSPSCĬ PiCĤPµPiP°CĤP°C,Cf P· C-PSCëPëPjPë PjC-CÍC†PµPIPëPjPë
P°PSPµCÍC,PµC,PëPeP°PjPë PjPsP¶CfC,CḤ PIPëPSPëPePSCfC,Pë CÍPëCÍC,PµPjPSC-
C,PsPeCÍPëC‡PSC- CĤPµP°PeC†C-C—, PsCÍPeC-P»CḤPePë C,PsPeCÍPëC‡PSC- PµC,,PµPeC,Pë C"
P°PrPëC,PëIPSPëPjPë.

PŸPëCÍC,PµPjPSP° C,PsPeCÍPëC‡PSC-CÍC,CḤ CĤC-PrPePs P±CfPIP°C" PiPsPIḡĤ™ CĬP·P°PSP°
P·C- CÍPiPëPSPSPsPjPsP·PePsPIPsCĤ P°PSPµCÍC,PµP·C-C"Ĥ, P°P»Pµ PjPsP¶Pµ
PIPëPSPëPePSCfC,Pë PiC-CÍP»CĬ PIPëPiP°PrPePsPIPsPiPs
PIPSCfC,CĤC-CëPSCĤPsCÍCfPrPëPSPSPsPiPs PIPiPµPrPµPSPSCĬ PiCĤPµPiP°CĤP°C,Cf.
PŸPëCÍC,PµPjPSC- PSPµP±P°P¶P°PSC- CĤPµP°PeC†C-C—
C...P°CĤP°PeC,PµCĤPëP·CfCĤC,CḤCÍCĬ PsPSC-PjC-PSPSCĬPj CĬP·PëPeP°,
P·P°PiP°PjPsCĤPsC‡PµPSPSCĬPj C- C,CĤPµPjPsCĤPsPj P· PiPsPrP°P»CḤCëPëPjPë
CÍCfPrPsPjP°PjPë C,P° PiPsCĤCfCëPµPSPSCĬPjPë P· P±PsPeCf CÍPµCĤC†PµPIPs-
CÍCfPrPëPSPSPsC— CÍPëCÍC,PµPjPë.

P>C-PeCžPIP°PSPSCŬ PiPsCŬC,CŬPsC— CŬPëCŬC,PμPjPSPsC— C,PsPeCŬPëCžPSPsCŬC,C-

*PμCŬPë PiPsCŬPIC- CŬPëPjPiC,PsPjC-PI CŬPëCŬC,PμPjPSPsC— C,PsPeCŬPëCžPSPsCŬC,C-
P»PμPiPePsPiPs CŬC,CŬPjPμPSCŬ P»C-PeCŬPIP°PSPSCŬ PSPμ PiPsC,CŬC-P±PSPμ, P°P»Pμ
PiCŬPë PiPsCŬPIC- CŬCŬPrPsPj PIP°PŬP»PëPiPs P·P°P±PμP·PiPμCžPëC,Pë P°PrPμPePIP°C,PSCŬ
PsPeCŬPëPiPμPSP°CžC-CŬ PsCŬPiP°PSC-P·PjCŬ C,P° P·CŬPiPëPSPëC,Pë PiCŬPsCŬPIPë
CŬCŬPrPsPj, CŬPeC%Ps PIPsPSPë C,CŬPëPIP°CŬC,CŬ P±C-P»CŬCëPμ 15-30 CŬPμPeCŬPSPŬ.
PμPëCŬPμPSCŬ PiPsC,CŬC-P±PSPs PSP°PrP°PIP°C,Pë CŬ PIPëPiP»CŬPrC- PjP°CŬPePë PSP°
PsP±P»PëCžCžCŬ, P° PrPëC...P°PSPSCŬ CŬP»C-Pr PePsPSC,CŬPsP»CŬPIP°C,Pë CŬ CŬP°P·C-
PiPsC,CŬPμP±Pë. PŬCŬPrPsPjPë PjPsPŬPSP° P·CŬPiPëPSPëC,Pë CëP»CŬC...PsPj
PIPIPμPrPμPSPSCŬ C,C-PsPiPμPSC,P°P»CŬ PI PrPsP·C- 100-150 PjPi
PIPSCŬC,CŬC-CëPSCŬPsPIPμPSPSPs P°P±Ps PrC-P°P·PμPiP°PjCŬ PI PrPsP·C- 5-10 PjPi
PIPSCŬC,CŬC-CëPSCŬPsPIPμPSPSPs. PμCŬC-Pj C,PsPiPs, PjPsPŬPSP° PIPIPμCŬC,Pë
PIPSCŬC,CŬC-CëPSCŬPsPIPμPSPSPs CŬCŬPeCžPëPSC-P»C...PsP»C-PS CŬ PrPsP·C- 50-100 PjPi,
P°P»Pμ P»PëCëPμ CŬ C,PsPjCŬ PIPëPiP°PrPeCŬ, CŬPeC%Ps CŬ P»C-PeP°CŬCŬ C”
PjPsPŬP»PëPIC-CŬC,CŬ PiCŬPsPIPμPrPμPSPSCŬ C-PSC,CŬP±P°CžC-C— C,CŬP°C...PμC— C,P°
PSP°PrP°PSPSCŬ PrPsPiPsPjPsPiPë PiPsPIPSC-CŬC,CŬ PiP°CŬP°P»C-P·PsPIP°PSPsPjCŬ
PiP°CžC-C”PSC,CŬ.*

*PμCŬPsCŬPIPë PsP±CëPëCŬPSPsC— P°P±Ps PiPsPIPSPsC— CŬPiPëPSPSPsPjPsP·PePsPiPsC—
P±P»PsPeP°PrPë, C%Ps PiCŬPëP·PiPsPrPëC,CŬ PrPs CŬPsP·PIPëC,PeCŬ
PrPëC...P°P»CŬPSPsPiPs PiP°CŬP°P»C-CžCŬ, CŬP»C-Pr P»C-PeCŬPIP°C,Pë CëP»CŬC...PsPj
P·P°P±PμP·PiPμCžPμPSPSCŬ C- PiC-PrC,CŬPëPjP°PSPSCŬ PIC-P»CŬPSPsC—
PiCŬPsC...C-PrPSPsCŬC,C- PrPëC...P°P»CŬPSPëC... CëP»CŬC...C-PI, P° PrP»CŬ
PiPsP»PμPiCëPμPSPSCŬ P°P±Ps PePsPSC,CŬPsP»CŬ PIPμPSC,PëP»CŬCžC-C— P»PμPiPμPSC-PI
PiPsC,CŬC-P±PSPs PSP°PrP°C,Pë PePëCŬPμPSCŬ.*

*PŬCŬC,PμCŬC-P°P»CŬPSCŬ PiC-PiPsC,PμPSP·C-CŬ CŬP»C-Pr P»C-PeCŬPIP°C,Pë CëP»CŬC...PsPj
P·P°CŬC,PsCŬCŬPIP°PSPSCŬ PIP°P·PsPiCŬPμCŬPsCŬPSPëC... P·P°CŬPsP±C-PI,
PSP°PiCŬPëPeP»P°Pr PIPSCŬC,CŬC-CëPSCŬPsPIPμPSPSPsPiPs PIPIPμPrPμPSPSCŬ
PμC,,PμPrCŬPëPSCŬ PI PrPsP·C- 10-15 PjPi, PiPsPIC,PsCŬCŬCŬCžPë PIPIPμPrPμPSPSCŬ
PiCŬPμPiP°CŬP°C,CŬ PrPs PrPsCŬCŬPiPSPμPSPSCŬ P±P°PŬP°PSPsPiPs CŬC-PIPSCŬ
P°CŬC,PμCŬC-P°P»CŬPSPsPiPs C,PëCŬPeCŬ. P°PSCŬC,CŬC-CëPSCŬPsPIPμPSPSPμ
PIPIPμPrPμPSPSCŬ CŬC-PrPëPSPë, PμP»PμPeC,CŬPsP»C-C,C-PI C,P° PePsP»PsC—PrPSPëC...
CŬPsP·CžPëPSC-PI PjPsPŬPμ C,P°PePsPŬ CëPIPëPrPePs PiPsP»PμPiCëPëC,Pë PiPμCŬPμP±C-PI
P°CŬC,PμCŬC-P°P»CŬPSPsC— PiC-PiPsC,PμPSP·C-C—.*

PμPμPrC-P°C,CŬPëCžPSP° PiPsPiCžP»CŬCžC-CŬ

*PkPμP±P°PŬP°PSC- CŬPμP°PeCžC-C— PSP° P·P°CŬC,PsCŬCŬPIP°PSPSCŬ PiCŬPμPiP°CŬP°C,CŬ
CŬ PrC-C,PμPNž CŬC...PsPŬC- P· PSPμP±P°PŬP°PSPëPjPë CŬPμP°PeCžC-CŬPjPë CŬ
PrPsCŬPsCŬP»PëC..., PiCŬPsC,Pμ CŬ PrC-C,PμPNž PiPμCŬCëC- PsP·PSP°PePë
C,PsPeCŬPëCžPSPsCŬC,C- PjC-CŬCžPμPIPëC... P°PSPμCŬC,PμC,PëPeC-PI PjPsPŬPμ P±CŬC,Pë
PIP°PŬPePs PIPëCŬPIPëC,Pë CŬ PIPëPiP°PrPeP°C..., PePsP»Pë P±P»PsPeP°PrCŬ
PiCŬPsPIPsPrCŬC,CŬ PSP° C,P»C- CŬPμPrP°CžC-C— P°P±Ps P·P°PiP°P»CŬPSPsC—
P°PSPμCŬC,PμP·C-C—.*

*PμPsPIC-PrPsPjP»PμPSPSCŬ PiCŬPs PiC-PrPsP·CŬCŬPIP°PSC- PiPsP±C-CžPSC-
CŬPμP°PeCžC-C—*

*PμPsPIC-PrPsPjP»PμPSPSCŬ PiCŬPs PiPsP±C-CžPSC- CŬPμP°PeCžC-C— PiC-CŬP»CŬ
CŬPμC”CŬC,CŬP°CžC-C— P»C-PeP°CŬCŬCŬPePsPiPs P·P°CŬPsP±CŬ PjP°C” PIP°PŬP»PëPiPμ*

P·PSP°C±PμPSPSCЦ. P|Pμ PrP°C” P·PjPsPiCf PīCḡPsPIPsPrPëC,Pë PjPsPSC-C,PSCḡPëPSPi
CḡPīC-PIPIC-PrPSPsCєPμPSPSCЦ PєPsCḡPëCḡC,CH/ḡPëP·PëPє PīCḡPë
P·P°CḡC,PSCḡCfPIP°PSPSC- C†CHPsPiPs P»C-PєP°CḡCḡCHPєPsPiPs P·P°CḡPsP±Cf.
PḡPμPrPëC±PSPëPj C,P° C„P°CḡPjP°C†PμPIC,PëC±PSPëPj PīCḡP°C†C-PIPSPëPєP°Pj, P°
C,P°PєPsP¶ PīP°C†C-C”PSC,P°Pj P°P±Ps C—C... P·P°PєPsPSPSPëPj PīCḡPμPrCḡC,P°PIPSPëPєP°Pj
CḡP»C-Pr PīPsPIC-PrPsPjP»CЦC,Pë PīCḡPs CḡCḡC- PIPëPīP°PrPєPë PīC-PrPsP·CḡCHPIP°PSPëC...
PīPsP±C-C±PSPëC... CḡPμP°PєC†C-PNє C,P° PIC-PrCḡCḡC,PSPsCḡC,C-
PμC„PμPєC,PëPIPSPsCḡC,C- P»C-PєP°CḡCḡCHPєPsPiPs P·P°CḡPsP±Cf C±PμCḡPμP·
PḡPIC,PSPjP°C,PëP·PsPIP°PSCḡ C-PSC„PSCḡPjP°C†C-PNєPSCḡ CḡPëCḡC,PμPjCḡ P·
C„P°CḡPjP°PєPsPSP°PiP»CЦPrCḡ P·P° PīPsCḡPëP»P°PSPSCЦPj: <https://aisf.dec.gov.ua>.

PḡPμCḡPjC-PS PīCḡPëPrP°C,PSPsCḡC,C-. 2,5 CḡPsPєPë.

PḡC-CḡP»CЦ PIC-PrPєCḡPëC,C,CЦ P°PjPīCḡP»Pë PīCḡPμPīP°CḡP°C, PSPμ
P·P±PμCḡC-PiP°CḡC,CH.

PjPjPsPIPë P·P±PμCḡC-PiP°PSPSCЦ.

P—P±PμCḡC-PiP°C,Pë PI PsCḡPëPiC-PSP°P»CHPSC-PNє CḡPīP°PєPsPIC†C- PīCḡPë
C,PμPjPīPμCḡP°C,CḡCḡC- PSPμ PIPëC%Pμ 25 °PḢ. PḡPμ P·P°PjPsCḡPsP¶CḡPIP°C,Pë.
P—P±PμCḡC-PiP°C,Pë Cḡ PSPμPrPsCḡC,CḡPīPSPsPjCḡ PrP»CЦ PrC-C,PμPNє PjC-CḡC†C-.

PḡPμCḡCḡPjC-CḡPSC-CḡC,CH.

PḡPμ CḡP»C-Pr P·PjC-CєCḡPIP°C,Pë PīCḡPμPīP°CḡP°C, P· C-PSCєPëPjPë
P»C-PєP°CḡCḡCHPєPëPjPë P·P°CḡPsP±P°PjPë PI PsPrPSC-PNє C”PjPSPsCḡC,C-.

PjPīP°PєPsPIPєP°. PḡPs 4 PjP» PI P°PjPīCḡP»P°C... B„- 5.

PḡP°C,PμPiPsCḡC-CЦ PIC-PrPīCḡCḡPєCḡ. P—P° CḡPμC†PμPīC,PSPj.

P’PëCḡPsP±PSPëPє.

PḡPḡP’ B«PḡPḡP PḡPḡPḢP·P»B».

**PḡC-CḡC†PμP·PSP°C...PsPrP¶PμPSPSCЦ PIPëCḡPsP±PSPëPєP° C,P° P°PrCḡPμCḡP°
PjC-CḡC†CЦ PīCḡPsPIP°PrP¶PμPSPSCЦ PNєPsPiPs PrC-CЦP»CHPSPsCḡC,C-.**

PjPєCḡP°C—PSP°, 07408, PḡPëC—PICḡCHPєP° PsP±P»., P’CḡPsPIP°CḡCḡCHPєPëPNє Cḡ-PS, Cḡ.
PḡPIC-C,PSPμPIPμ, PICḡP». PḡCḡPsCḡC-P·PSP°, 3.