

РμРμСҖРөРSPPrPsPіСҖРөР» вҖҗ“ С-PSPiC-P±C-C,PsСҖ С,,РμСҖРјРμPSC,Ср, СҖРөРөРPNө
 РіРμСҖРμC,PIPsСҖСҖС” Р°PSPiC-PsC,РμPSP·РөРPS Р† РІ Р°PSPiC-PsC,РμPSP·РөРPS Р†Р†
 (Р°PSPiC-PsC,РμPSP·РөРPSРіРμСҖРμC,PIPsСҖСҖРІР°Р»СҖРSPөРPNө С,,РμСҖРјРμPSC,
 (РҗРұРұРұ)). РμРμСҖРμC,PIPsСҖСҖРІР°Р»СҖРSPөРPNө С,,РμСҖРјРμPSC,, Р°Р±Р± РөC-PSР°Р°·Р°, -
 С†Рμ С” РμРөР·PsPіРμРіC,РөРРР°Р°·Р°, СҖРөР° СҖРPsР±РөC,СҖ РјРPsР¶Р»Р»РөРРІРөРј
 РіРμСҖРμC,PIPsСҖРμPSPSCҖ Р°PSPiC-PsC,РμPSP·РөРPSCр Р† Ср
 СҖСрРрРөРSPsP·PіCрР¶СрРІР°Р»СҖРSPөРPNө Р°PSPiC-PsC,РμPSP·РөРPS Р†Р†, Р° С,Р°РөРPsР¶
 СҖРіCҖРөCҖРөPSCҖС” СҖРPs·РіР°Рр РІР°Р°·PsРрРөР»Р°C,Р°C,PsСҖР° Р±СҖР°РрРөРөC-PSC-PSCр
 РрPs PSPμР°РөC,РөРІPSPsPіPs РіРμРіC,Р°РіРμРіC,РөРРрCр. Р†PSPiC-P±CрРІР°Р»PSPSCҖ РҗРұРұРұ
 РіCҖРөР·PіPsРрРөC,СҖ РрPs Р·РјРμPSCөРμPSPSCҖ РөРPsPSCрРμPSC,СҖР°CҖC-C—
 Р°PSPiC-PsC,РμPSP·РөРPSCр Р†Р† Ср РіР»Р°Р°·РјC- РөCҖРPsPіC-, C%Ps РіC-РрРІРөC%СрC”
 Р°РөC,РөРІPSC-CҖC,СҖ СҖРμPSC-PSCр Ср РіР»Р°Р°·РјC- РөCҖРPsPіC- (Р°Р° СҖР°C...СрPSPsРө
 РіCҖРөРіPSC-CҖРμPSPSCҖ PSPμРіР°C,РөРІPSPsPіPs Р·PіPsСҖРPsC,PSPsPіPs Р·РІвҖҗ СҖР·РөCр
 PSP° РІРөРІC-Р»СҖРSPμPSPSCҖ СҖРμPSC-PSCр) С,Р° Р·PSPөР¶Cр” СҖРμРөCҖРμCҖC-CҖ
 Р°Р»СҖРрPsCҖC,РμСҖРPsPSCр. РҗCҖРөC-Р»СҖРөРө РҗРұРұРұ С-PSР°РөC,РөРІCрC”
 Р±СҖР°РрРөРөC-PSC-PS, C-PSPiC-P±CрРІР°Р»PSPSCҖ РҗРұРұРұ С,Р°РөРPsР¶ РіCҖРөР·PіPsРрРөC,СҖ
 РрPs РіC-РрРІРөC%РμPSPSCҖ Р°РөC,РөРІPSPsCҖC,C- С†РөCҖРөCрP»СҖСҖCҖPsC— С,Р°
 РјC-CҖCрРμPіPsC— РөРР°Р»C-РөCҖРμC—PSPөC-PSC-PSPsPіPsC— СҖРөCҖC,РμРјРө (C-
 C,Р°РөРөРј CҖРөPSPsРј С,Р°РөРPsР¶ РіCҖРөР·PіPsРрРөC,СҖ РрPs Р°РөC,РөРРІР°CҖC-C—
 СҖРөCҖC,РμРјРө РіCҖРPsCҖC,Р°РіP»Р°PSPрРөPSC-РІ). РіРμPNө РјРμC...Р°PSC-Р·Рј РрC-C—
 Р·CрРјPsPіP»СҖС” Р·PSPөР¶РμPSPSCҖ Р°CҖC,РμСҖC-Р°Р»СҖРSPsPіPs С,РөCҖРөCр
 C-PSPiC-P±C-C,PsСҖР°РјРө РҗРұРұРұ С- CҖР°CҖC,РөРPsPіPs PіC-РрРіPsPіC-РрР°C” Р·Р°
 РіPsCҖPіCр РрРμCҖРөРөC... РіPsР±C-CҖPSPөC... РμC,,РμРөC,C-РІ (PSP°РіCҖРөРөР»Р°Р°Рр,
 РөР°CөРμР»СҖСҖ).

РμРμСҖРөРSPPrPsPіСҖРөР»Cр С,РμСҖC,-P±CрC,РөР»Р°РјC-PS РрC-C” CҖРμСҖРμР· СҖРІC-PNө
 Р°РөC,РөРІPSPөРPNө РјРμC,Р°Р±Р±Р»C-C, вҖҗ“ РіРμСҖРөРSPPrPsPіСҖРөР»Р°C,, Р†PSCөC- Р¶
 РјРμC,Р°Р±Р±Р»C-C,Рө PSPμ РрРμРјPsPSCҖC,СҖCрCҖC,СҖ Р°РөC,РөРІPSPsCҖC,C- РІ
 C-PSPiC-P±CрРІР°Р»PSPSC- РҗРұРұРұ РІ РμРөCҖРіРμСҖРөРјРμPSC,Р°Р»СҖРSPөC... СрРјPsPіР°C....

РҗСҖC,РμСҖC-Р°Р»СҖРSP° РіC-РіРμСҖC,РμPSP·C-CҖ.

РμРμСҖРөРSPPrPsPіСҖРөР» РμC,,РμРөC,РөРІPSPs Р·PSPөР¶Cр” Р°CҖC,РμСҖC-Р°Р»СҖРSPөРPNө
 С,РөCҖРө РіCҖРө РіCҖC-C... СҖC,СрРіРμPSCҖC... Р°CҖC,РμСҖC-Р°Р»СҖРSPsC—
 РіC-РіРμСҖC,РμPSP·C-C—: РјвҖҗ СҖРөC-PNө, РіPsРјC-СҖPSC-PNө С,Р° С,СҖР¶РөC-PNө;
 Р·PSPөР¶РμPSPSCҖ СҖРөCҖC,PsP»C-CҖPSPsPіPs С,Р° РрC-Р°CҖC,PsP»C-CҖPSPsPіPs
 Р°CҖC,РμСҖC-Р°Р»СҖРSPsPіPs С,РөCҖРөCр СҖРіPsCҖC,РμСҖC-РіР°C”C,СҖCҖCҖ, СҖРө Ср
 РіPsP»PsP¶РμPSPSC- Р»РμР¶Р°CҖРө, С,Р°Рө C- Ср РіPsP»PsP¶РμPSPSC- СҖC,PsCҖCҖРө.

РμРμСҖРөРSPPrPsPіСҖРөР» Р·РјРμPSCөCрC” PsPіC-СҖ РіРμСҖРөC,,РμСҖРөCҖPSPөC...
 СҖСрРрРөPS, C%Ps РіCҖРөР·PіPsРрРөC,СҖ РрPs Р·PSPөР¶РμPSPSCҖ
 Р°CҖC,РμСҖC-Р°Р»СҖРSPsPіPs С,РөCҖРөCр. Р’PSP°CҖP»C-РрPsРө CҖСҖPsPіPs
 Р·Р±C-Р»СҖCөCрC”C,СҖCҖCҖ РіРμСҖРөC,,РμСҖРөCҖPSPөPNө РөCҖРPsPіPsC,C-Рө Р±РμР·
 РІРіР»Р»РөРІCр PSP° CҖР°CҖC,PsC,Ср СҖРμСҖCҖРμPіPөC... СҖРөPsСҖРPsCҖРμPSCҖ.

РіРө РіCҖР°РІРөР»Р»Ps, Р·Р±C-Р»СҖCөCрC”C,СҖCҖCҖ C- PSPөCҖРөPsPіPөPNө
 РөCҖРPsPіPsC,C-Рө, Ср С,PsPNө CҖР°CҖ СҖРө CөРІРөРрРөC-СҖC,СҖ РөР»CрР±PsCҖРөPsPіPsC—
 С,,C-Р»СҖC,СҖР°CҖC— (РөРұРұРұ) Р·Р°Р·PіPөCҖР°PNө PSPμ Р·РјC-PSCҖC”C,СҖCҖCҖ.

РҗР°РөCҖРөРјР°Р»СҖРSPөPNө Р°PSC,РөРіC-РіРμСҖC,РμPSP·РөРІPSPөPNө РμC,,РμРөC,
 СҖРPs·РІРөРІР°C”C,СҖCҖCҖ CҖРμСҖРμР· 4вҖҗ“6 РіPsРрРөPS РіC-СҖР»CҖ

PsPrPSPsCḡP°P·PsPIPsPiPs PīCḡPēPNēPsPjCṛ C,P° P·P±PμCḡC-PiP°C″C,CHCḡCḡCḡ
C%PsPSP°PNēPjPμPSC€Pμ 24 PiPsPrPēPSPē: CḡPīC-PIPIC-PrPSPsC€PμPSPSCḡ Pḡ/P
(PePsCḡPēC,Ps/PīC-Pe вḡ“ PjC-PSC-PjP°P»CHPSP°
PμC,,PμPeC,PēPIPSC-CḡC,CH/PjP°PeCḡPēPjP°P»CHPSP° PμC,,PμPeC,PēPIPSC-CḡC,CH
CṛPīCḡPsPrPsPIP¶ PrPsP±Pē) PīPμCḡPēPSPrPsPīCḡPēP»Cṛ CḡC,P°PSPsPIPēC,CH 87вḡ“100 %.

PḡCḡC,PμCḡC-P°P»CHPSPēPNē C,PēCḡPe P·PSPēP¶CṛC″C,CHCḡCḡCḡ C€PIPēPrPePs. Pj
PīP°C†C-C″PSC,C-PI, CḡPeC- PIC-PrPīPsPIC-P»Pē PSP° P»C-PeCṛPIP°PSPSCḡ,
PSPsCḡPjP°P»C-P·P°C†C-Cḡ P°CḡC,PμCḡC-P°P»CHPSPsPiPs C,PēCḡPeCṛ
PIC-PrP±CṛPIP°C″C,CHCḡCḡCḡ PīCḡPsC,CḡPiPsPj PjC-CḡCḡC†Cḡ C,P°
P·P±PμCḡC-PiP°C″C,CHCḡCḡCḡ P±PμP· PIPēPSPēPePSPμPSPSCḡ
C,P°C...C-C,,C-P»P°PeCḡC-C—.

Pj CḡP°P·C- PīCḡPēPīPēPSPμPSPSCḡ P·P°CḡC,PsCḡCṛPIP°PSPSCḡ PīPμCḡPēPSPrPsPīCḡPēP»Cṛ
PμC,,PμPeC,Cṛ PIC-PrPjC-PSPē PSPμ PIPēPSPēPeP°C″.

PμPμCḡPēPSPrPsPīCḡPēP» P·PjPμPSC€CṛC″ PiC-PīPμCḡC,CḡPsC,,C-CH P»C-PIPsPiPs
C€P»CṛPSPsC†PeP°.

PḡP»C-PSC-C†PSC- PrPsCḡP»C-PrP¶PμPSPSCḡ PrPsPIPμP»Pē, C%Ps PīPμCḡPēPSPrPsPīCḡPēP»
PjP°C″ CḡCṛPrPēPSPsCḡPsP·C€PēCḡCHPIP°P»CHPSC- PIP»P°CḡC,PēPIPsCḡC,C-. P°C-PS
PīPsPeCḡP°C%CṛC″ PμP»P°CḡC,PēC†PSC-CḡC,CH PIPμP»PēPePēC... P°CḡC,PμCḡC-PNē C,P°
P·PjPμPSC€CṛC″ CḡPīC-PIPIC-PrPSPsC€PμPSPSCḡ C,PsPIC%PēPSPē CḡC,C-PSPePē PrPs
PīCḡPsCḡPIC-C,Cṛ CḡCṛPrPēPSPē PrP»Cḡ PjP°P»PēC... P°CḡC,PμCḡC-PNē.

P″PsPrP°C,PePsPIP° C,PμCḡP°PīC-Cḡ P· C,C-P°P·PēPrPSPēPj PrC-CṛCḡPμC,PēPePsPj PjP°C″
CḡPēPSPμCḡPiC-C†PSPēPNē PμC,,PμPeC,. PḡPsPjP±C-PSP°C†C-Cḡ C-PSPiC-P±C-C,PsCḡCṛ
PḡPμPα C,P° C,C-P°P·PēPrPSPsPiPs PrC-CṛCḡPμC,PēPeP° C,P°PePsP¶ P·PjPμPSC€CṛC″
CḡPēP·PēPe PiC-PīPsPeP°P»C-C″PjC-C—, CḡPīCḡPēC†PēPSPμPSPsC— PrC-CṛCḡPμC,PēPePsPj.

PḡPμCḡC†PμPIP° PSPμPrPsCḡC,P°C,PSC-CḡC,CH.

PμPμCḡPēPSPrPsPīCḡPēP»Cṛ C,PμCḡC,-P±CṛC,PēP»P°PjC-PS P·PjPμPSC€CṛC″ CḡPsP±PsC,Cṛ
CḡPμCḡC†Cḡ C€P»CḡC...PsPj P·PjPμPSC€PμPSPSCḡ PīPμCḡPμPr- C,P°
PiC-CḡP»CḡPSP°PIP°PSC,P°P¶PμPSPSCḡ PSP° CḡPμCḡC†Pμ.

P″PsCḡP»C-PrP¶PμPSPSCḡ P·P° CṛC†P°CḡC,CH PīP°C†C-C″PSC,C-PI C-P·
CḡPμCḡC†PμPIPsCH PSPμPrPsCḡC,P°C,PSC-CḡC,CH
PīCḡPsPrPμPjPsPSCḡC,CḡCṛPIP°P»Pē:

- P·PjPμPSC€PμPSPSCḡ C,PēCḡPeCṛ PSP°PīPsPIPsPμPSPSCḡ PīCḡP°PIPsPiPs C,P°
P»C-PIPsPiPs C€P»CṛPSPsC†PeC-PI;
- P·PSPēP¶PμPSPSCḡ CḡPēCḡC,PμPjPSPsPiPs PīPμCḡPēC,,PμCḡPēC†PSPsPiPs PsPīPsCḡCṛ;
- P·P±C-P»CHC€PμPSPSCḡ CḡPμCḡC†PμPIPsPiPs C-PSPrPμPeCḡCṛ C,P°
PīPsPeCḡP°C%P°PSPSCḡ CḡPμCḡC†PμPIPsPiPs PIPēPePēPrCṛ;

Pj PīPsCḡC-PIPSCḡP»CHPSPēC... PrPsCḡP»C-PrP¶PμPSPSCḡC... PīPμCḡC€Pμ
PīCḡPēP·PSP°C†PμPSPSCḡ 2 PjPi PīPμCḡPēPSPrPsPīCḡPēP»Cṛ PīP°C†C-C″PSC,P°Pj C-P·
CḡPμCḡC†PμPIPsCH PSPμPrPsCḡC,P°C,PSC-CḡC,CH P»PμPiPePsPiPs C,P°
CḡPμCḡPμPrPSCḡPsPiPs CḡC,CṛPīPμPSCḡ C,CḡP¶PePsCḡC,C- PSPμ P±CṛP»Ps

РiРsPIBTM CIIIP·P°PSPμ P· P±CрPrCHb-CIIIPePëPj PrPsCГC,PsPIC-CГPSPëPj
P·PSPëP¶PμPSPSCIIIPj P°CГC,PμCГC-P°P»CHbPSPsPiPs C,PëCГPeCр
РiРsCГC-PIPSCIIPSPs P· PïP»P°C†PμP±Ps.

РμP°C†C-C°PSC,Pë P· C†PμCГPμP±CГPsPIP°CГPeCрP»CIIICГPSPëPjPë
P·P°C...PIPsCГCГPIP°PSPSCIIIPjPë PI P°PSP°PjPSPμP·C-.

РhCрP»CHbC,PëC†PμPSC,CГPsPIPμ C-PSC,PμCГPSP°C†C-PsPSP°P»CHbPSPμ РiРsPrPIC-PNëPSPμ
CГP»C-РiРμ CГP°PSPрPsPjC-P·PsPIP°PSPμ PïP»P°C†PμP±Ps-PePsPSC,CГPsP»CHbPsPIP°PSPμ
PrPsCГP»C-PrP¶PμPSPSCII PROGRESS PIPëP·PSP°C†PëP»Ps РiРμCГPμPIP°PiPë 4-
CГC-C†PSPsPiPs P»C-PeCрPIP°PSPSCII РiРμCГPëPSPрPsPïCГPëP»PsPj (Cр
PjPsPSPsC,PμCГP°PiC-C— P°P±Ps Cр PePsPjP±C-PSP°C†C-C— P· C-PSPрP°PiP°PjC-PrPsPj)
C%oPsPrPs P·P°PiPsP±C-PiP°PSPSCII РiРsPIC,PsCГPSPsPjCр C-PSCГCрP»CHbC,Cр Cр
PïP°C†C-C°PSC,C-PI C-Р· C†PμCГPμP±CГPsPIP°CГPeCрP»CIIICГPSPëPjPë
P·P°C...PIPsCГCГPIP°PSPSCIIIPjPë PI P°PSP°PjPSPμP·C-.

РμPμCГPIPëPSPSPsCГ PeC-PSC†PμPIPsCГ C,PsC†PePsCГ P±CрPI C-PSCГCрP»CHbC,.

РμC-CГP»CII 2 C,PëP¶PSC-PI (РiРμCГC-PsPrCр run-in) PiCГPëPNëPsPjCр
РiРμCГPëPSPрPsPïCГPëP»Cр C,PμCГC,-P±CрC,PëP»P°PjC-PSCр Cр PrPsP·C- 2 PjPi 1 CГP°P· PSP°
PrPsP±Cр C,P° PSP°CГC,CрPiPSPëC... 2 C,PëP¶PSC-PI PiCГPëPNëPsPjCр Cр PrPsP·C- 4 PjPi
1 CГP°P· PSP° PrPsP±Cр, 6105 PïP°C†C-C°PSC,C-PI P±CрP»Ps CГP°PSPрPsPjC-P·PsPIP°PSPs
PSP° PrPIC- PiCГCрPiPë: PI PsPrPSC-PNë PiCГCрPiC- PïP°C†C-C°PSC,Pë PiCГPëPNëPjP°P»Pë
PïP»P°C†PμP±Ps (n=3054), P° PI C-PSC€C-PNë РiРμCГPëPSPрPsPïCГPëP» C,PμCГC,-
P±CрC,PëP»P°PjC-PS 4 PjPi Cр PjPsPSPsC,PμCГP°PiC-C— P°P±Ps PI PePsPjP±C-PSP°C†C-C— P·
C-PSPрP°PiP°PjC-PrPsPj (n=3051). P†PSPрP°PiP°PjC-Pr PrPsPrP°PIP°P»Pë PïP°C†C-C°PSC,P°Pj,
CIIPeC- PjP°P»Pë PïPsPeP°P·P°PSPSCII PrPs PiCГPëP·PSP°C†PμPSPSCII PrC-CрCГPμC,PëPeP°
C,P° PSPμ PjP°P»Pë PiCГPsC,PëPiPsPeP°P·P°PSCH PrPs PNëPsPiPs PiCГPëP·PSP°C†PμPSPSCII.

PiCII C,PμCГP°PiC-CII PiCГPëP·PSP°C†P°P»P°CГCH PSP° PrPsPrP°C,PsPe PrPs
C,CГP°PrPëC†C-PNëPSPsPiPs P»C-PeCрPIP°PSPSCII C-PSCГCрP»CHbC,Cр C,P°/P°P±Ps
P°CГC,PμCГC-P°P»CHbPSPsC— PiC-РiРμCГC,PμPSP·C-C— P°P±Ps P±CрPrCHb-CIIPePëC...
C-PSC€PëC... PïP°C,PsP»PsPiC-C†PSPëC... CГC,P°PSC-PI.

PJCГC- PïP°C†C-C°PSC,Pë, CIIPeC- PiCГPëPNëPjP°P»Pë CрC†P°CГC,CH Cр
PrPsCГP»C-PrP¶PμPSPSC-, PjP°P»Pë C†PμCГPμP±CГPsPIP°CГPeCрP»CIIICГPSC-
P·P°C...PIPsCГCГPIP°PSPSCII PI P°PSP°PjPSPμP·C- (C-PSCГCрP»CHbC, P°P±Ps
C,CГP°PSP·PëC,PsCГPSP° C-C€PμPjC-C†PSP° P°C,P°PeP°) PiCГPsC,CIIPiPsPj PsCГC,P°PSPSC-C...
5 CГPsPeC-PI. PhCГC,PμCГC-P°P»CHbPSPëPNë C,PëCГPe PSPμ P±CрPI PeCГPëC,PμCГC-C°Pj
PrP»CII PIPeP»CHC†PμPSPSCII Cр PrPsCГP»C-PrP¶PμPSPSCII: 2916 PïP°C†C-C°PSC,C-PI
P±CрP»Pë P· P°CГC,PμCГC-P°P»CHbPSPsCГ PiC-РiРμCГC,PμPSP·C-C°CГ, 3189
PïP°C†C-C°PSC,C-PI P±CрP»Pë P· PSPsCГPjP°P»CHbPSPëPj P°CГC,PμCГC-P°P»CHbPSPëPj
C,PëCГPePsPj.

РμC-CГP»CII 3,9 CГPsPeCр (Cр CГPμCГPμPrPSCHbPsPjCр) CГPiPsCГC,PμCГPμP¶PμPSPSCII
P°CГC,PμCГC-P°P»CHbPSPëPNë C,PëCГPe
CГPëCГC,PsP»C-C†PSPëPNë/PrC-P°CГC,PsP»C-C†PSPëPNë P·PjPμPSC€PëPICГCII Cр
CГPμCГPμPrPSCHbPsPjCр PSP° 9,0/4,0 PjPj CГC, CГC, C,P° CГPëP·PëPe PïPsPIC,PsCГPSPëC...
C-PSCГCрP»CHbC,C-PI (CIIPe C-C€PμPjC-C†PSPëC... C,P°Pe C- PiPμPjPsCГP°PiC-C†PSPëC...)
PrPsCГC,PsPIC-CГPSPs P·PSPëP·PëPICГCII PSP° 28 % (95 % CI [17;38], p<0,0001)
PïPsCГC-PIPSCIIPSPs P· PïP°C†C-C°PSC,P°PjPë, CIIPeC- PiCГPëPNëPjP°P»Pë PïP»P°C†PμP±Ps
(10,1 % PïPsCГC-PIPSCIIPSPs P· 13,8 %).

PyP°PePsP¶ PIC-PrP·PSP°C±P°P»PsCfC¶ PrPsCfC,PsPIC-C¶PSPµ P·PSPëP¶PµPSPSC¶ C¶PëP·PëPeCr PIPëPSPëPePSPµPSPSC¶:

- P»PµC,P°P»CHBPSPsPiPs P°P±Ps C-PSPIP°P»C-PrPëP·CrC¶C±PsPiPs C-PSCfCrP»CHC,Cr (4 % PiPsC¶C-PIPSC¶PSPs P· 5,9 %, C°Ps PIC-PrPiPsPIC-PrP°C” P·PSPëP¶PµPSPSC¶ C¶PëP·PëPeCr PSP° 33 %);

- P·P°PiP°P»CHBPSPsC— PeC-P»CHPePsCfC,C- P·PSP°C±PSPëC... PeP°C¶PrC-PsPIP°CfPeCrP»C¶C¶PSPëC... PiPsPrC-PNë, C¶PeC- C¶PeP»P°PrP°C¶C,CHCfC¶ P·PeP°C¶PrC-PsPIP°CfPeCrP»C¶C¶PSPsC— C¶PjPµC¶C,C-, PSPµP»PµC,P°P»CHBPSPsPiPs C-PSC„P°C¶PeC,Cr PjC-PsPeP°C¶PrP° C,P° PSPµP»PµC,P°P»CHBPSPsPiPs C-PSCfCrP»CHC,Cr (15 % PiPsC¶C-PIPSC¶PSPs P· 19,8 %, C°Ps PIC-PrPiPsPIC-PrP°C” P·PSPëP¶PµPSPSC¶ C¶PëP·PëPeCr PSP° 26 %);

- PrPµPjPµPSC†C-C—, C°Ps PIPëPSPëPeP°C” PIPSP°CfP»C-PrPsPe C-PSCfCrP»CHC,Cr (1,4 % PiPsC¶C-PIPSC¶PSPs P· 2,1 %, C°Ps PIC-PrPiPsPIC-PrP°C” P·PSPëP¶PµPSPSC¶ C¶PëP·PëPeCr PSP° 34 %), C,P° C,C¶P¶PePëC... PiPsC¶CrC¶PµPSC¶ PePsPiPSC-C,PëPIPSPsC— C„CrPSPe†C-C—, C°Ps PIPëPSPëPeP°C¶C,CH CrPSP°CfP»C-PrPsPe C-PSCfCrP»CHC,Cr (1,6 % PiPsC¶C-PIPSC¶PSPs P· 2,8 %, C°Ps PIC-PrPiPsPIC-PrP°C” P·PSPëP¶PµPSPSC¶ C¶PëP·PëPeCr PSP° 45 %);

- P·PSP°C±PSPëC... PePsC¶PsPSP°C¶PSPëC... PiPsPrC-PNë, PIPeP»C¶C±P°C¶C±Pë PSPµP»PµC,P°P»CHBPSPëPNë C-PSC„P°C¶PeC, PjC-PsPeP°C¶PrP° P°P±Ps P»PµC,P°P»CHBPSPëPNë PSP°CfP»C-PrPsPe, C°Ps PIC-PrP±CrPICfC¶ PIPSP°CfP»C-PrPsPe C-C¶PµPjC-C±PSPsC— C...PIPsC¶PsP±Pë C¶PµC¶C†C¶ (3,8 % PiPsC¶C-PIPSC¶PSPs P· 5 %, C°Ps PIC-PrPiPsPIC-PrP°C” P·PSPëP¶PµPSPSC¶ C¶PëP·PëPeCr PSP° 26 %).

PjC- C,PµC¶P°PiPµPIC,PëC±PSC- PiPµC¶PµPIP°PiPë C¶PiPsCfC,PµC¶C-PiP°P»PëCfCH Cr PïP°C†C-C”PSC,C-PI PSPµP·P°P»PµP¶PSPs PIC-Pr PSP°C¶PIPSPsCfC,C-/PIC-PrCfCrC,PSPsCfC,C- P°C¶C,PµC¶C-P°P»CHBPSPsC— PiC-PiPµC¶C,PµPSP·C-C—, PSPµP·P°P»PµP¶PSPs PIC-Pr PIC-PeCr, C¶C,P°C,C-, C,PëPiCr C-PSCfCrP»CHC,Cr P°P±Ps PSP°C¶PIPSPsCfC,C- C†CrPeC¶PsPiPs PrC-P°P±PµC,Cr. P PµP·CrP»CHC,P°C,Pë PrPsCfP»C-PrP¶PµPSPSC¶ PROGRESS PiPsPeP°P·P°P»Pë, C°Ps PiC-CfP»C¶ 5-C¶C-C±PSPsPiPs P»C-PeCrPIP°PSPSC¶ PjPsP¶PSP° CrPSPëPePSCrC,Pë PIPëPSPëPePSPµPSPSC¶ PsPrPSPsPiPs C-PSCfCrP»CHC,Cr C¶PµC¶PµPr PePsP¶PSPëC... 23 PïP°C†C-C”PSC,C-PI C,P° PsPrPSPsPiPs C¶PµC¶PNëPsP·PSPsPiPs PeP°C¶PrC-PsPIP°CfPeCrP»C¶C¶PSPsPiPs CrCfPeP»P°PrPSPµPSPSC¶ C¶PµC¶PµPr PePsP¶PSPëC... 18 PïP°C†C-C”PSC,C-PI.

PµP°C†C-C”PSC,Pë P·C- C¶C,P°P±C-P»CHBPSPsC¶ P†P¶PŸ.

EUROPA B¶ C†Pµ PjC-P¶PSP°C¶PsPrPSPµ PjCrP»CHC,PëC†PµPSC,C¶PsPIPµ C¶P°PSPrPsPjC-P·PsPIP°PSPµ PiPsPrPIC-PNëPSPµ C¶P»C-PiPµ PiP»P°C†PµP±Ps- PePsPSC,C¶PsP»CHBPSP°PSPµ PeP»C-PSC-C±PSPµ PrPsCfP»C-PrP¶PµPSPSC¶, C¶PePµ C,C¶PëPIP°P»Ps 4 C¶PsPePë. 12218 PïP°C†C-C”PSC,C-PI PIC-PePsPj PIC-Pr 18 C¶PsPeC-PI P±CrP»Pë C¶P°PSPrPsPjC-P·PsPIP°PSC- PSP° PiC¶CrPiPë: 6110 PïP°C†C-C”PSC,C-PI PiC¶PëPNëPjP°P»Pë 8 PjPi PiPµC¶PëPSPrPsPiC¶PëP»Cr C,PµC¶C,-P±CrC,PëP»P°PjC-PSCr C,P° 6108 PïP°C†C-C”PSC,C-PI PiC¶PëPNëPjP°P»Pë PïP°P°C†PµP±Ps. Pj PrPsCfP»C-PrP¶PµPSPSC- PiC¶PëPNëPjP°P»Pë CrC±P°CfC,CH PiP°C†C-C”PSC,Pë P· PiC-PrC,PIPµC¶PrP¶PµPSPsC¶ C-C¶PµPjC-C±PSPsC¶ C...PIPsC¶PsP±PsC¶ C¶PµC¶C†C¶ C,P° P±PµP· PeP»C-PSC-C±PSPëC... C¶PëPjPiC,PsPjC-PI C¶PµC¶C†PµPIPsC— PSPµPrPsCfC,P°C,PSPsCfC,C-. P—P°PiP°P»PsPj, 90 % PïP°C†C-C”PSC,C-PI PiPµC¶PµPSPµC¶P»Pë PI P°PSP°PjPSPµP·C- C-PSC„P°C¶PeC,

PjC-PsPeP°CḡPrP° C,P°/P°P±Ps PsPīPμCḡP°C†C-Cḡ P· CḡPμPIP°C†PeC†P»CḡCḡPēP·P°C†C-C—. P'C-P»CHC€C-C†C,Cḡ PīP°C†C-C"°PSC,C-PI C† PrPsC†P»C-PrP¶PμPSPSC-
PsC,CḡPēPjC†PIP°P»P° PīPμCḡPēPSPPrPsPīCḡPēP» PSP° PrPsPrP°C,PsPe PrPs
C†C,P°PSPPrP°CḡC,PSPsC— C,PμCḡP°PīC-C—: PrPμP·P°PīCḡPμPīP°PSC,C-PI,
PīC-PīPsP»C-PīC-PrPμPjC-C†PSPēC... PīCḡPμPīP°CḡP°C,C-PI C,P° β-P±P»PsPeP°C,PsCḡC-PI.

PḡC†PSPsPIPSPēPj PeCḡPēC,PμCḡC-C"°Pj PμC,,PμPeC,PēPIPSPsC†C,C- P±C†P»Ps
PIC†C,P°PSPsPIP»PμPSPs C†C†PeC†PīPSC† PsC†C-PSPeC† PIPēPSPēPePSPμPSPSCḡ
C†PμCḡC†PμPIPs-C†C†PrPēPSPSPsC— P»PμC,P°P»CHPSPsC†C,C-, PSPμP»PμC,P°P»CHPSPsPīPs
C-PSC,,P°CḡPeC,C† PjC-PsPeP°CḡPrP° C,P°/P°P±Ps P·C†PīPēPSPePē C†PμCḡC†Cḡ P·
PīPsPrP°P»CHC€PēPj C†C†PīC-C€PSPēPj P·P°PīC†C†PePsPj. P>C-PeC†PIP°PSPSCḡ
PīPμCḡPēPSPPrPsPīCḡPēP»PsPj PI PrPsP·C- 8 PjPī PsPrPēPS CḡP°P· PSP° PrPsP±C†
PīCḡPēP·PIPμP»Ps PrPs PrPsC†C,PsPIC-CḡPSPsPīPs P°P±C†PsP»CḡC,PSPsPīPs
P·PjPμPSC€PμPSPSCḡ PīPsPeP°P·PSPēPeP° PīPμCḡPIPēPSPSPsC— PeC-PSC†PμPIPsC—
C,PsC†PePē PrPsC†P»C-PrP¶PμPSPSCḡ PSP° 1,9 % (P·PjPμPSC€PμPSPSCḡ
PIC-PrPSPsC†PSPsPīPs CḡPēP·PēPeC† PSP° 20 %, 95 % PŸP† [9,4; 28,6] бḡ" p<0,001).

PJ PīP°C†C-C"°PSC,C-PI P· C-PSC,,P°CḡPeC,PsPj PjC-PsPeP°CḡPrC† C,P°/P°P±Ps
CḡPμPIP°C†PeC†P»CḡCḡPēP·P°C†C-C"°Cḡ PI P°PSP°PjPSPμP·C-
C†PīPsC†C,PμCḡC-PīP°P»PsC†Cḡ P°P±C†PsP»CḡC,PSPμ P·PSPēP¶PμPSPSCḡ PSP° 2,2 %
PīPsPeP°P·PSPēPeP° PīPμCḡPIPēPSPSPsC— PeC-PSC†PμPIPsC— C,PsC†PePē, C%°Ps
PIC-PrPīPsPIC-PrP°C" P·PSPēP¶PμPSPSCḡ PIC-PrPSPsC†PSPsPīPs CḡPēP·PēPeC† PSP° 22,4 %
(95 % PŸP† [12,0; 31,6] бḡ" p<0,001) PīPsCḡC-PIPSCḡPSPs PrPs PīP»P°C†PμP±Ps.

P—P°C†C,PsC†C†PIP°PSPSCḡ PrC-C,CḡPj.

P'PμP·PīPμPeC† C,P° PμC,,PμPeC,PēPIPSC-C†C,Cḡ P·P°C†C,PsC†C†PIP°PSPSCḡ
PīPμCḡPēPSPPrPsPīCḡPēP»C† C† PrC-C,PμPNḡ C,P° PīC-PrP»C-C,PeC-PI PrPs 18 CḡPsPeC-PI
PIC†C,P°PSPsPIP»PμPSPs PSPμ P±C†P»Ps.

PJ PIC-PrPeCḡPēC,PsPjC† PeP»C-PSC-C†PSPsPjC† PrPsC†P»C-PrP¶PμPSPSC- P±PμP· PīCḡC†Pī
PīPsCḡC-PIPSCḡPSPSCḡ 62 PrC-C,CḡPj PIC-PePsPj PIC-Pr 2 PrPs 15 CḡPsPeC-PI, C† CḡPePēC...
C€PIPēPrPeC-C†C,Cḡ PeP»C†P±PsC†PePsPIPsC— C,,C-P»CHC,CḡP°C†C-C—
C†C,P°PSPsPIPēP»P° > 30 PjP»/C...PI/1,73 Pj², PīCḡPēP·PSP°C†P°P»Pē PīPμCḡPēPSPPrPsPīCḡPēP»
C† C†PμCḡPμPrPSC-PNḡ PrPsP·C- 0,07 PjPī/PePī. P"PsP·C† PīCḡPμPīP°CḡP°C,C†
PīC-PrP±PēCḡP°P»Pē C-PSPPrPēPIC-PrC†P°P»CHPSPs, P· PīC-PrPIPēC%°PμPSPSCḡPj PrPs
PjP°PeC†PēPjP°P»CHPSPsC— 0,135 PjPī/PePī/PrPsP±C† P·P°P»PμP¶PSPs PIC-Pr
PīCḡPsC,,C-P»Cḡ PīP°C†C-C"°PSC,P° C,P° PIC-PrPīPsPIC-PrC- P°CḡC,PμCḡC-P°P»CHPSPsPīPs
C,PēC†PeC† PSP° P»C-PeC†PIP°PSPSCḡ. 59 PīP°C†C-C"°PSC,C-PI PīCḡPēPNḡPjP°P»Pē
C†C†P°C†C,Cḡ C† PrPsC†P»C-PrP¶PμPSPSC- PīCḡPsC,CḡPīPsPj 3 PjC-C†CḡC†C-PI, 36
PīP°C†C-C"°PSC,C-PI PīCḡPsPrPsPIP¶PēP»Pē P»C-PeC†PIP°PSPSCḡ CḡPe PjC-PSC-PjC†Pj PrPs 24
PjC-C†CḡC†C-PI (C†PμCḡPμPrPSCḡ C,CḡPēPIP°P»C-C†C,Cḡ PrPsC†P»C-PrP¶PμPSPSCḡ 44
PjC-C†CḡC†C-). PŸPēC†C,PsP»C-C†PSPēPNḡ C,P° PrC-P°C†C,PsP»C-C†PSPēPNḡ
P°CḡC,PμCḡC-P°P»CHPSPēPNḡ C,PēC†Pe P·P°P»PēC€P°PIC†Cḡ C†C,P°P±C-P»CHPSPēPj (PIC-Pr
PjPsPjPμPSC,C† PIPeP»CḡC†PμPSPSCḡ PīP°C†C-C"°PSC,P° C† PrPsC†P»C-PrP¶PμPSPSCḡ PrPs
PsC†C,P°PSPSCHPsPīPs PIC-P·PēC,C†) C† PīP°C†C-C"°PSC,C-PI, CḡPeC- PīPsPīPμCḡPμPrPSCḡPs
P»C-PeC†PIP°P»PēC†Cḡ C-PSC€PēPjPē P°PSC,PēPīC-PīPμCḡC,PμPSP·PēPIPSPēPjPē
PīCḡPμPīP°CḡP°C,P°PjPē C,P° P·PSPēP¶C†PIP°PIC†Cḡ C† PīP°C†C-C"°PSC,C-PI, CḡPeC-
PīPsPīPμCḡPμPrPSCḡPs PSPμ PsC,CḡPēPjC†PIP°P»Pē P»C-PeC†PIP°PSPSCḡ. P'C-P»CHC€Pμ 75
% PrC-C,PμPNḡ PjP°P»Pē C†PēC†C,PsP»C-C†PSPēPNḡ C,P° PrC-P°C†C,PsP»C-C†PSPēPNḡ
P°CḡC,PμCḡC-P°P»CHPSPēPNḡ C,PēC†Pe PSPēP¶C†Pμ 95-PīPs PīPμCḡC†PμPSC,PēP»Cḡ PīC-Pr
C†P°C† C—C... PsC†C,P°PSPSCHPsPīPs PIC-P·PēC,C† C† PrPsC†P»C-PrP¶PμPSPSC-.

PhCfPSP±P»PëPIC- PiCfCfPiPë PiP°C+C-C" PSC,C-PI.

P'PëPIPµPrPµPSPSCf PiPµCfPëPSPPrPsPiCfPëP»P°C,Cf CfPiPsPIC-P»CHbPSCfC"C,CHbCfCf Cf PiP°C+C-C" PSC,C-PI P»C-C,PSCbPsPiPs PIC-PeCf, P° C,P°PePsP¶ Cf PiP°C+C-C" PSC,C-PI C-P· CfPµCfCfPµPIPsCf P°P±Ps PSPëCfPePsPIPsCf PSPµPrPsCfC,P°C,PSC-CfC,Cf.

P PµPePsPjPµPSPPrPsPiP°PSPs PiC-PrP±PëCfP°C,Pë PrPsP·Cf PrP»Cf PiP°C+C-C" PSC,C-PI P· PSPëCfPePsPIPsCf PSPµPrPsCfC,P°C,PSC-CfC,Cf, PICfP°C...PsPICfCfCfPë CfC,CfPiC-PSCb PSPµPrPsCfC,P°C,PSPsCfC,C- (PeP»C-CfPµPSCfCf PeCfPµP°C,PëPSC-PSCf).

P"C-P°P»C-P·PSPëPNë PeP»C-CfPµPSCf PiPµCfPëPSPPrPsPiCfPëP»P°C,Cf b70 PjP»/C...PI.

PbC-PSPµC,PëPeP° PiPµCfPëPSPPrPsPiCfPëP»Cf P·PjC-PSCfC"C,CHbCfCf Cf C...PIPsCfPëC... PSP° CfPëCfPsP· PiPµCfC-PSPePë: PiPµCfC-PSPePsPiPëPNë PeP»C-CfPµPSCf PiPµCfPëPSPPrPsPiCfPëP»Cf P·PjPµPSCfCfC"C,CHbCfCf PIPrPIC-CfC-. PhPrPSP°Pe PeC-P»CHbPeC-CfC,CH PiPµCfPëPSPPrPsPiCfPëP»P°C,Cf, C%oPs CfC,PIPsCfCfC"C,CHbCfCf, PSPµ P·PjPµPSCfCfC"C,CHbCfCf. PhC,P¶Pµ, C,P°PePëPj C...PIPsCfPëPj PSPµ PiPsC,CfC-P±PSPs PePsCfPëPiCfPiP°C,Pë PrPsP·Cf.

PbP»C-PSC-CfPSC- C...P°CfP°PeC,PµCfPëCfC,PëPePë.

PµPsPeP°P·P°PSPSCf.

- PhCfC,PµCfC-P°P»CHbPSP° PiC-PiPµCfC,PµPSP·C-Cf.
- PŸPµCfCfPµPIP° PSPµPrPsCfC,P°C,PSC-CfC,Cf.
- P—P°PiPsP±C-PiP°PSPSCf PIPëPSPëPePSPµPSPSCf PiPsPIC,PsCfPSPsPiPs C-PSCfCfP»CHbC,Cf Cf PiP°C+C-C" PSC,C-PI P· CfPµCfPµP±CfPsPiP°CfPeCfP»CfCfPSPëPjPë P·P°C...PIPsCfCfPiP°PSPSCfPjPë.
- P—P°PiPsP±C-PiP°PSPSCf CfPµCfCfPµPIPs-CfCfPrPëPSPSPëPj CfCfPeP»P°PrPSPµPSPSCfPj Cf PiP°C+C-C" PSC,C-PI P· PrPsPeCfPjPµPSC,P°P»CHbPSPs PiC-PrC,PIPµCfPrP¶PµPSPsCf CfC,P°P±C-P»CHbPSPsCf C-CfPµPjC-CfPSPsCf C...PIPsCfPsP±PsCf CfPµCfCfCf.

P"PsPiPiPsC,CfPëPiP°P»Pµ P»C-PeCfPiP°PSPSCf P·PjPµPSCfCfC" CfPëP·PëPe PIPëPSPëPePSPµPSPSCf C-PSC„P°CfPeC,Cf PjC-PsPeP°CfPrP° C,P° CfPµCfCfPµPIPsC— PSPµPrPsCfC,P°C,PSPsCfC,C- (P·P° CfPµP·CfP»CHbC,P°C,P°PjPë PrPsCfP»C-PrP¶PµPSPSCf EUROPA).

PµCfPsC,PëPiPsPeP°P·P°PSPSCf.

- PµC-PrPiPëC%oPµPSP° CfCfC,P»PëPIC-CfC,CH PrPs PiPµCfPëPSPPrPsPiCfPëP»Cf P°P±Ps PrPs P±CfPrCHb-CfPëPsC— P· PrPsPiPsPjC-P¶PSPëC... CfPµCfPsPiPëPS, P°P±Ps PrPs P±CfPrCHb-CfPëPsPiPs C-PSCfPsPiPs C-PSPiC-P±C-C,PsCfCf PhPµPα;
- P°PSPiC-PsPSPµPICfPsC,PëCfPSPëPNë PSP°P±CfCfPë PI P°PSP°PjPSPµP·C-, PiPsPiPµCfPµPrPSC-Pj P»C-PeCfPiP°PSPSCfPj

C-PSPiC-P±C-C,PsCḡPsPj PḡPḡPḡ (PrPēPI. CḡPsP·PrC-P» B«PhCḡPsP±P»PēPIPsCḡC,C-
P·P°CḡC,PsCḡCḡPIP°PSPSCḡB»);

- C-PrC-PsPīP°C,PēC±PSPēPNē P°P±Ps CḡPīP°PrPePsPIPēPNē
P°PSPiC-PsPSPḡPICḡPsC,PēC±PSPēPNē PSP°P±CḡCḡPe;

- PsPrPSPsC±P°CḡPSPḡ P·P°CḡC,PsCḡCḡPIP°PSPSCḡ P·PīCḡPḡPīP°CḡP°C,P°PjPē, C%Ps
PjC-CḡC,CḡC,Ch PrC-CḡC±Cḡ CḡPḡC±PsPIPēPSCḡ P°P»C-CḡPeC-CḡPḡPS, PīP°CḡC-C°PSC,P°Pj
P·CḡCḡPeCḡPsPIPēPj PrC-P°P±PḡC,PsPj, P°P±Ps P·PīPsCḡCḡCḡPḡPSPSCḡPj C„CḡPSPeCḡC-C—
PSPēCḡPsPe (CḡPIPēPrPeC-CḡC,Ch PeP»CḡP±PsC±PePsIPsC— C„C-P»ChC,CḡP°CḡC-C— < 60
PjP»/C...PI/1,73 Pj²) (PrPēPI. CḡPsP·PrC-P» B«P'P·P°C°PjPsPrC-Cḡ P·C-PSCēPēPjPē
P»C-PeP°CḡCḡChPePēPjPē P·P°CḡPsP±P°PjPē C,P° C-PSCēC- PIPēPrPē PIP·P°C°PjPsPrC-PNēB»);

- PIP°PiC-C,PSC- P°P±Ps PḡC-PSPePē, CḡPeC- PīP»P°PSCḡCḡC,Ch P·P°PIP°PiC-C,PSC-C,Pē
(PrPēPI. CḡPsP·PrC-P» B«P—P°CḡC,PsCḡCḡPIP°PSPSCḡ Cḡ PīPḡCḡC-PsPr PIP°PiC-C,PSPsCḡC,C-
P°P±Ps PīPsPrCḡPIP°PSPSCḡ PīCḡCḡPrPrCḡB»);

- PsPrPSPsC±P°CḡPSPḡ P·P°CḡC,PsCḡCḡPIP°PSPSCḡ P·
CḡP°PeCḡP±C-C,CḡPēP»PsPj/PIP°P»CḡP°CḡC,P°PSPsPj. P—P°CḡC,PsCḡCḡPIP°PSPSCḡ
PīCḡPḡPīP°CḡP°C,Cḡ PḡPsCḡPrPḡCḡC-Cḡ PḡPsPSPs PSPḡ PjPsPḡPSP°
CḡPsP·PīPsC±PēPSP°C,Pē CḡP°PSC-CḡPḡ PSC-Pḡ C±PḡCḡPḡP· 36 PīPsPrPēPS
PīC-CḡP»Cḡ PīCḡPēPNēPsPjCḡ PsCḡC,P°PSPSCHḡPsC— PrPsP·Pē
CḡP°PeCḡP±C-C,CḡPēP»Cḡ/PIP°P»CḡP°CḡC,P°PSCḡ (PrPēPI. CḡPsP·PrC-P»Pē
B«PhCḡPsP±P»PēPIPsCḡC, C- P·P°CḡC,PsCḡCḡPIP°PSPSCḡB» C- B«P'P·P°C°PjPsPrC-Cḡ P·
C-PSCēPēPjPē P»C-PeP°CḡCḡChPePēPjPē P·P°CḡPsP±P°PjPē C,P° C-PSCēC- PIPēPrPē
PIP·P°C°PjPsPrC-PNēB»);

- PḡPeCḡC,CḡP°PePsCḡPīPsCḡP°P»ChPSC- PjPḡC,PsPrPē P»C-PeCḡPIP°PSPSCḡ, CḡPeC-
PīCḡPēP·PIPsPrCḡC,Ch PrPs PePsPSC,P°PeC,Cḡ PeCḡPsPIC- P·PSPḡPīP°C,PēPIPsPs
P·P°CḡCḡPrPḡPḡPSPēPjPē PīPsPIPḡCḡC...PSCḡPjPē (PrPēPI. CḡPsP·PrC-P»
B«P'P·P°C°PjPsPrC-Cḡ P·C-PSCēPēPjPē P»C-PeP°CḡCḡChPePēPjPē P·P°CḡPsP±P°PjPē C,P°
C-PSCēC- PIPēPrPē PIP·P°C°PjPsPrC-PNēB»);

- P·PSP°C±PSPēPNē PrPIPsP±C-C±PSPēPNē CḡC,PḡPSPsP·PSPēCḡPePsPIPēC...
P°CḡC,PḡCḡC-PNē P°P±Ps CḡC,PḡPSPsP·P°CḡC,PḡCḡC-C— C°PrPēPSPsC—
C„CḡPSPeCḡC-PsPSCḡCḡC±PsC— PSPēCḡPePē (PrPēPI. CḡPsP·PrC-P»
B«PhCḡPsP±P»PēPIPsCḡC, C- P·P°CḡC,PsCḡCḡPIP°PSPSCḡB»).

**P'P·P°C°PjPsPrC-Cḡ P·C-PSCēPēPjPē P»C-PeP°CḡCḡChPePēPjPē P·P°CḡPsP±P°PjPē C,P°
C-PSCēC- PIPēPrPē PIP·P°C°PjPsPrC-PNē.**

P°P°PSC- PeP»C-PSC-C±PSPēC... PrPsCḡP»C-PrPḡPḡPSCḡ CḡPIC-PrC±P°C,Ch, C%Ps
PīPsPrPIC-PNēPSP° P±P»PsPeP°PrP° CḡPḡPSC-PS-P°PSPiC-PsC,PḡPSP·PēPS-
P°P»ChPrPsCḡC,PḡCḡPsPSPsIPsC— CḡPēCḡC,PḡPjPē (P PḡPḡPḡ) CḡP»CḡC...PsPj
PsPrPSPsC±P°CḡPSPsPīPs PīCḡPēPNēPsPjCḡ C-PSPiC-P±C-C,PsCḡC-PI PḡPḡPḡ,
P±P»PsPeP°C,PsCḡC-PI CḡPḡCḡPḡPīC,PsCḡC-PI P°PSPiC-PsC,PḡPSP·PēPSCḡ PḡPḡ P°P±Ps
P°P»C-CḡPeC-CḡPḡPSCḡ P°CḡPsCḡC-CḡC°C,ChCḡCḡ P·P±C-P»ChCḡ PIPēCḡPsPePsCḡ
C±P°CḡC,PsC,PsCḡ PīPsP±C-C±PSPēC... CḡPḡP°PeCḡC-PNē, C,P°PePēC... CḡPe
PiC-PīPsC,PḡPSP·C-Cḡ, PiC-PīPḡCḡPeP°P»C-C°PjC-Cḡ C,P° P·PSPēPḡPḡPSPSCḡ
C„CḡPSPeCḡC-C— PSPēCḡPsPe (PIPēP»CḡC±P°CḡC±Pē PīPsCḡC,CḡCḡ PSPēCḡPePsPICḡ

PSPμPrPsCfC,P°C,PSC-CfC,CH), PīPsCfC-PIPSCμPSPs P·P·P°CfC,PsCfCfPIP°PSPSCμPj
PsPrPSPsPiPs PiCfPμPīP°CfP°C,Cr, C%Ps PIP°P»PēPIP°C” PSP° P PhPpPŸ (PrPēPI.
CfPSP·PrC-P»Pē B«PμCfPSc,PēPīPsPeP°P·P°PSPSCμB» C,P° B«PhCfPsP±P»PēPIPsCfC,C-
P·P°CfC,PsCfCfPIP°PSPSCμB»).

*P>C-PeP°CfCfCHPeC- P·P°CfPsP±Pē, C%Ps PiC-PrPIPēC%CzCHC,CH CfPēP·PēPe
CfPSP·PIPēC,PeCz P°PSPiC-PsPSPμPICfPSc,PēC±PSPsPiPs PSP°P±CfCμPeCz*

PhPrPSPsC±P°CfPSPμ P·P°CfC,PsCfCfPIP°PSPSCμ C-PSPiC-P±C-C,PsCfC-PI PhPμPα P·
CfP°PeCfP±C-C,CfPēP»PsPj/PIP°P»CfP°CfC,P°PSPsPj PiCfPSc,PēPīPsPeP°P·P°PSPμ,
PsCfPeC-P»CHPePē C†Pμ PiC-PrPIPēC%CrC” CfPēP·PēPe CfPSP·PIPēC,PeCf
P°PSPiC-PsPSPμPICfPSc,PēC±PSPsPiPs PSP°P±CfCμPeCf (PrPēPI. CfPSP·PrC-P»
B«PμCfPSc,PēPīPsPeP°P·P°PSPSCμB», B«PhCfPsP±P»PēPIPsCfC,C-
P·P°CfC,PsCfCfPIP°PSPSCμB»). P PsP·PiPsC±PēPSP°C,Pē P·P°CfC,PsCfCfPIP°PSPSCμ
CfP°PeCfP±C-C,CfPēP»Cf/PIP°P»CfP°CfC,P°PSCr CfP»C-Pr PSPμ CfP°PSC-C€Pμ PSC-P¶
C±PμCfPμP· 36 PiPsPrPēPS PiC-CfP»Cμ PiCfPēPNsPjCr PsCfC,P°PSPSCHPsC— PrPsP·Pē
PīPμCfPēPSPrPsPiCfPēP»Cf. PŸPμCfP°PiC-Cf PiPμCfPēPSPrPsPiCfPēP»PsPj CfP»C-Pr
CfPSP·PiPsC±PēPSP°C,Pē PSPμ CfP°PSC-C€Pμ PSC-P¶ C±PμCfPμP· 36 PiPsPrPēPS PiC-CfP»Cμ
PiCfPēPNsPjCr PsCfC,P°PSPSCHPsC— PrPsP·Pē
CfP°PeCfP±C-C,CfPēP»Cf/PIP°P»CfP°CfC,P°PSCr (PrPēPI. CfPSP·PrC-P»Pē
B«PμCfPSc,PēPīPsPeP°P·P°PSPSCμB» C,P° B«PhCfPsP±P»PēPIPsCfC,C-
P·P°CfC,PsCfCfPIP°PSPSCμB»).

PhPrPSPsC±P°CfPSPμ P·P°CfC,PsCfCfPIP°PSPSCμ C-PSPiC-P±C-C,PsCfC-PI PhPμPα P·
CfP°C†PμPeP°PrPsC,CfPēP»PsPj, C-PSPiC-P±C-C,PsCfP°PjPē mTOR (PSP°PiCfPēPeP»P°Pr
CfPēCfPSP»C-PjCrCfPsPj, PμPIPμCfPSP»C-PjCrCfPsPj, C,PμPjCfPēCfPSP»C-PjCrCfPsPj) C,P°
PiP»C-PiC,PēPSP°PjPē (PSP°PiCfPēPeP»P°Pr P»C-PSP°PiP»C-PiC,PēPSPsPj,
CfP°PeCfP°PiP»C-PiC,PēPSPsPj, CfPēC,P°PiP»C-PiC,PēPSPsPj, PIC-P»PrP°PiP»C-PiC,PēPSPsPj)
PjPsP¶Pμ PiCfPēP·PIPμCfC,Pē PrPs PiC-PrPIPēC%PμPSPSCμ CfPēP·PēPeCf CfPSP·PIPēC,PeCf
P°PSPiC-PsPSPμPICfPSc,PēC±PSPsPiPs PSP°P±CfCμPeCf (PrPēPI. CfPSP·PrC-P»
B«PhCfPsP±P»PēPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCμB»).

*P>C-PeP°CfCfCHPeC- P·P°CfPsP±PēB C%Ps CfPiCfPēC±PēPSCμCHC,CH
PiC-PiPμCfPeP°P»C-C”PjC-Cf.*

P C-PIPμPSCf PeP°P»C-Cf PI CfPēCfPSPiP°C,C†C- PeCfPSPiC- P·P°P·PIPēC±P°PNs
P·P°P»PēC€P°C”C,CHCfCμ PI PjPμP¶P°C... PSPsCfPjPē, P°P»Pμ Cr PrPμCμPePēC...
PīP°C†C-C”PSC,C-PI, CμPeC- P·P°CfC,PsCfPsPICrCfC,CH P»C-PeP°CfCfCHPePēPNs
P·P°CfC-P± PμPsCfPPrPμCfC-Cμ PμPsPSPs, PjPsP¶Pμ PIPēPSPēPePSCrC,Pē
PiC-PiPμCfPeP°P»C-C”PjC-Cμ. P”PμCμPeC- P»C-PeP°CfCfCHPeC- P·P°CfPsP±Pē
P°P±Ps C,PμCfP°PiPμPIC,PēC±PSC- PeP»P°CfPē P»C-PeP°CfCfCHPePēC...
P·P°CfPsP±C-PI PjPsP¶CfC,CH CfPiCfPēC±PēPSPēC,Pē
PiC-PiPμCfPeP°P»C-C”PjC-CfPIPēPSPēPePSPμPSPSCμ PiC-PiPμCfPeP°P»C-C”PjC-C—,
P° CfP°PjPμ: P°P»C-CfPeC-CfPμPS, CfPsP»C- PeP°P»C-Cf,
PeP°P»C-PNsP·P±PμCfC-PiP°CfC±C- PrC-CrCfPμC,PēPePē (PSP°PiCfPēPeP»P°Pr
CfPiC-CfPSPsPSP»P°PeC,PsPS, C,CfPēP°PjC,PμCfPμPS P°P±Ps P°PjC-P»PsCfPēPr),
C-PSPiC-P±C-C,PsCfPē PhPμPα, P°PSC,P°PiPsPSC-CfC,Pē CfPμC†PμPiC,PsCfC-PI
P°PSPiC-PsC,PμPSP·PēPSCr P†P†, PSPμCfC,PμCfPSc—PrPSC-
PiCfPSc,PēP·P°PiP°P»CHPSC- P·P°CfPsP±Pē (PκPμP—P—), PiPμPiP°CfPēPSPē,
C-PjCrPSPsCfCfPiCfPμCfPsCfPē, C,P°PeC- CμPe C†PēPeP»PsCfPiPsCfPēPS P°P±Ps

C,P°PeCḡPsP»C-PjCfCf, C,CḡPḡPjPμC,PsiCḡPḡPj C,P° PePs-C,CḡPḡPjPsPeCfP°P·PsP»
(C,CḡPḡPjPμC,PsiCḡPḡPj/CfCfP»CHC,,P°PjPμC,PsiPeCfP°P·PsP»), PsCfPeC-P»CHPePḡ
C,CḡPḡPjPμC,PsiCḡPḡPj PrC-C" CḡPe PeP°P»C-PN°P·P±PμCḡC-PiP°CḡC±PḡPN°
PrC-CfCḡPμC,PḡPe, PiPsPrC-P±PSPs PrPs P°PjC-P»PsCḡPḡPrCf. PhPrPSPsC±P°CfPSPḡPN°
PiCḡPḡPN°PsPj PIPeP°P·P°PSPḡC... P»C-PeP°CḡCfCHPePḡC... P·P°CfPsP±C-PI
PiC-PrPIPḡC%oCfC" CḡPḡP·PḡPe PIPḡPSPḡPePSPμPSPSCḡ
PiC-PiPμCḡPeP°P»C-C" PjC-C—.B PḡPsPjCf PsPrPSPsC±P°CfPSPμ
P·P°CfC,PsiCfCfPIP°PSPSCḡ P»C-PeP°CḡCfCHPePsPiPs P·P°CfPsP±Cf
PḡPsCḡPrPμCḡC-Cḡ PḡPsPSPs P· PIPḡC%oPμP·P°P·PSP°C±PμPSPḡPjPḡ
PiCḡPμPiP°CḡP°C,P°PjPḡ PSPμ CḡPμPePsPjPμPSPPrPsPIP°PSPs. PiPeC%oPs
PsPrPSPsC±P°CfPSPμ P·P°CfC,PsiCfCfPIP°PSPSCḡ C±PḡC... CḡPμC±PsPIPḡPS C"
PSPμPsP±C...C-PrPSPḡPj, C—C... CfP»C-Pr P·P°CfC,PsiCfPsPICfPIP°C,Pḡ P·
PsP±PμCḡPμPḡPSC-CfC,Cḡ C,P° PiCḡPsPIPsPrPḡC,Pḡ C±P°CfC,PḡPN°
PjPsPSC-C,PsiCḡPḡPSi CḡC-PIPSCḡ PeP°P»C-Cḡ Cf CfPḡCḡPsPIP°C,C†C- PeCḡPsPIC-.

PhPrPSPsC±P°CfPSPμ P·P°CfC,PsiCfCfPIP°PSPSCḡ PiCḡPsC,PḡPiPsPeP°P·P°PSPs (PrPḡPI.
CḡPsP·PrC-P» B«PμCḡPsC,PḡPiPsPeP°P·P°PSPSCḡB»).

PḡP»C-CfPeC-CḡPμPS: Cf PiP°C†C-C"PSC,C-PI, C...PIPsCḡPḡC... PSP° C†CfPeCḡPsPIPḡPN°
PrC-P°P±PμC,, P°P±Ps PiP°C†C-C"PSC,C-PI P· PiPsCḡCfCḡPμPSPsCḡ C,,CfPSPeC†C-C" Cḡ
PSPḡCḡPsPe CḡPḡP·PḡPe PIPḡPSPḡPePSPμPSPSCḡ PiC-PiPμCḡPeP°P»C-C" PjC-C—,
PiPsPiC-CḡCḡPμPSPSCḡ C,,CfPSPeC†C-C— PSPḡCḡPsPe C,P°
PeP°CḡPrC-PsiPIP°CfPeCfP»CḡCḡPSPsC— P·P°C...PIPsCḡCḡPIP°PSPsCfC,C- C-
P»PμC,P°P»CHPSPsCfC,C- PiC-PrPIPḡC%oCfC"C,CḡCfCḡ.

P·PeCfC,CḡP°PePsCḡPiPsCḡP°P»CHPSC- PjPμC,PsiPrPḡ P»C-PeCfPIP°PSPSCḡ, CḡPeC-
PiCḡPḡP·PIPsPrCḡC,Cḡ PrPs PePsPSC,P°PeC,Cf PeCḡPsPIC- P· PSPμPiP°C,PḡPIPsPs
P·P°CḡCḡPrPḡPμPSPḡPjPḡ PiPsPIPμCḡC...PSCḡPjPḡ, C,P°PePḡPjPḡ CḡPe
PIPḡCfPsPePsPiCḡPsC,PsiC±PSC- PjPμPjP±CḡP°PSPḡ PrP»Cḡ PrC-P°P»C-P·Cf P°P±Ps
PiPμPjPsC,,C-P»CHC,CḡP°C†C-C— (PSP°PiCḡPḡPeP»P°Pr PiPsP»C-P°PeCḡPḡP»PsPIC-
PjPμPjP±CḡP°PSPḡ) C,P° PrP»Cḡ P°C,,PμCḡPμP·Cf P»C-PiPsPiCḡPsC,PμC—PrC-PI
PSPḡP·CHPePsC— C%oC-P»CHPSPsCfC,C- P· PrPμPeCfC,CḡP°PSCfCfP»CHC,,P°C,PsiPj, C%oPs
PjPsPḡPμ PiCḡPḡP·PIPμCfC,Pḡ PrPs PiC-PrPIPḡC%oPμPSPSCḡ CḡPḡP·PḡPeCf
PIPḡPSPḡPePSPμPSPSCḡ C,CḡPḡPePḡC... P°PSP°C,,C-P»P°PeC,PsiC—PrPSPḡC... CḡPμP°PeC†C-PN°
(PrPḡPI. CḡPsP·PrC-P» B«PμCḡPsC,PḡPiPsPeP°P·P°PSPSCḡB»). Pj CḡP°P·C-
PSPμPsP±C...C-PrPSPsCfC,C- C,P°PePsPiPs P»C-PeCfPIP°PSPSCḡ, CfP»C-Pr
CḡPsP·PiP»CḡPSCfC,Pḡ PjPsPḡP»PḡPIC-CfC,Cḡ PIPḡPePsCḡPḡCfC,P°PSPSCḡ
PrC-P°P»C-P·PSPsC— PjPμPjP±CḡP°PSPḡ C-PSCḡPsPiPs C,PḡPiCf P°P±Ps
P·P°CfC,PsiCfCfPIP°PSPSCḡ C-PSCḡPsPiPs PeP»P°CfCf
P°PSC,PḡPiC-PiPμCḡC,PμPSP·PḡPIPsPḡC... PiCḡPμPiP°CḡP°C,C-PI.

PhPrPSPsC±P°CfPSPμ P·P°CfC,PsiCfCfPIP°PSPSCḡ PSPμ CḡPμPePsPjPμPSPPrPsPIP°PSPμ (PrPḡPI.
CḡPsP·PrC-P» B«PhCfPsP±P»PḡPIPsCfC,C- P·P°CfC,PsiCfCfPIP°PSPSCḡB»).

PḡP»C-CfPeC-CḡPμPS: Cf P±CfPrCH-CḡPePḡC... C-PSCḡPḡC... PiP°C†C-C"PSC,C-PI, CḡPe C-
Cf C...PIPsCḡPḡC... PSP° C†CfPeCḡPsPIPḡPN° PrC-P°P±PμC, P°P±Ps PiP°C†C-C"PSC,C-PI P·
PiPsCḡCfCḡPμPSPsCḡ C,,CfPSPeC†C-C" Cḡ PSPḡCḡPsPe, CḡPḡP·PḡPe PIPḡPSPḡPePSPμPSPSCḡ
PiC-PiPμCḡPeP°P»C-C" PjC-C—, PiPsPiC-CḡCḡPμPSPSCḡ C,,CfPSPeC†C-C— PSPḡCḡPsPe C,P°
PeP°CḡPrC-PsiPIP°CfPeCfP»CḡCḡPSPsC— P·P°C...PIPsCḡCḡPIP°PSPsCfC,C- C-
P»PμC,P°P»CHPSPsCfC,C- PiC-PrPIPḡC%oCfC"C,CḡCfCḡ.

PhPrPSPsC±P°CÍPSPµ P·P°CÍC,PsCÍCíPIP°PSPSCÍ C-PSPiC-P±C-C,PsCÍCí PhPµPα C,P°
P±P»PsPeP°C,PsCÍP° CÍPµC±PµPíC,PsCÍC-PI P°PSPiC-PsC,PµPSP·PëPSCí

P—P° PrP°PSPëPjPë P»C-C,PµCÍP°C,CÍCÍPë PIC-PrPsPjPs, C°Ps Cí PíP°C†C-C"PSC,C-PI P·C-
PICÍC,P°PSPsPIP»PµPSPëPj P°C,PµCÍP°CíPëP»PµCÍP°P·PsPj, CÍPµCÍC†PµPIPsCÍ
PSPµPrPsCÍC,P°C,PS-CÍC,CÍ P°P±Ps P· C†CíPëCÍP°PSPiPëPj PrC-P°P±PµC,PsPj P·
CíCÍP°P¶PµPSPSCÍPj PsCÍPíP°PSC-PI-PjC-CëPµPSPµPNë PsPrPSPsC±P°CÍPSPµ
P·P°CÍC,PsCÍCíPIP°PSPSCÍ C-PSPiC-P±C-C,PsCÍC-PI PhPµPα C,P° P±P»PsPeP°C,PsCÍC-PI
CÍPµC†PµPíC,PsCÍC-PI P°PSPiC-PsC,PµPSP·PëPSCí CÍCíPíCÍP°PSPiPsPrP¶CíPIP°P»PsCÍCÍ
PíC-PrPIPëC°PµPSPSCÍPj C±P°CÍC,PsC,Pë PIPëPSPëPePSPµPSPSCÍ
P°CÍC,PµCÍC-P°P»CHPSPsC— PíC-PíPsC,PµPSP·C-C—, PSPµPíCÍPëC,PsPjPSPsCÍC,C-,
PíC-PíPµCÍPëP°P»C-C"¶jC-C— C,P° PíPsPíC-CÍCëPµPSPSCÍPj C,,CíPSPeC†C-C— PSPëCÍP°P
(Cí C,PsPjCí C±PëCÍP»C- PíPsCÍC,CÍP°C— PSPëCÍP°PSPiPsC— PSPµPrPsCÍC,P°C,PSPsCÍC,C-)
PíPsCÍC-PIPSCÍPSPs P· PjPsPSPsC,PµCÍP°PíC-C"Ç PíCÍPµPíP°CÍP°C,P°PjPë, C°Ps
PIPíP»PëPIP°CÍC,CH PSP° CÍPµPSC-PS-P°PSPiC-PsC,PµPSP·PëPS-
P°P»CHPrPsCÍC,PµCÍP°PSPsPICí CÍPëCÍC,PµPjCí. P—P°CÍC,PsCÍCíPIP°PSPSCÍ
PíPsPrPIC-PNëPSPsC— P±P»PsPeP°PrPë (C,PsP±C,Ps PePsPjP±C-PSP°C†C-CÍ
C-PSPiC-P±C-C,PsCÍCí PhPµPα P· P°PSC,P°PíPsPSC-CÍC,P°PjPë CÍPµC†PµPíC,PsCÍC-PI
P°PSPiC-PsC,PµPSP·PëPSCí P†P†) PjPsP¶P»PëPIPµ C,C-P»CHPePë Pí PsPeCÍPµPjPëC...
PIPëPíP°PrPeP°C... P·P° CíPjPsPIPë CÍPµC,PµP»CHPSPsPiPs PePsPSC,CÍP°P»CÍ
C,,CíPSPeC†C-C— PSPëCÍP°P, CÍC-PIPSCÍ PëP°P»C-CÍ C,P° P°CÍC,PµCÍC-P°P»CHPSPsPiPs
C,PëCÍPëCí.

P·CÍC,CÍP°PjCíCÍC,PëPS: PíC-PrPIPëC°PµPSPSCÍ CÍPëP·PëPeCí PIPëPSPëPePSPµPSPSCÍ
PíPsP±C-C±PSPëC... CÍPµP°PeC†C-PNë, C,P°PePëC... CÍPe P°PSPiC-PsPSPµPICÍP°C,PëC±PSPëPNë
PSP°P±CÍCÍPe (P°PSPiC-PsPµPrPµPjP°).

PµP°P»C-PNëP·P±PµCÍC-PíP°CÍC±C- PrC-CíCÍPµC,PëPePë (PSP°PíCÍPëPeP»P°Pr
C,CÍPëP°PjC,PµCÍPµPS, P°PjC-P»PsCÍPëPr C,P° C-PSCëC-), CÍPsP»C- PeP°P»C-CÍ:
PIPëPSPëPePSPµPSPSCÍ PíC-PíPµCÍPëP°P»C-C"¶jC-C— (PíPsC,PµPSC†C-PNëPSPs
P»PµC,P°P»CHPSPsC—), PsCÍPsP±P»PëPIPs Cí PíP°C†C-C"PSC,C-PI P·
PíPsCÍCíCëPµPSPSCÍPj C,,CíPSPeC†C-C— PSPëCÍP°P (P°PrPëC,PëPIPSPëPNë
PíC-PíPµCÍPëP°P»C-C"¶jC-C±PSPëPNë PµC,,PµPeC,). P—P°P·PSP°C±PµPSC-
PíCÍPµPíP°CÍP°C,Pë PSPµ CÍPµPePsPjPµPSPPrPsPIP°PSC- PrP»CÍ
PsPrPSPsC±P°CÍPSPsPiPs P·P°CÍC,PsCÍCíPIP°PSPSCÍ P· PíPµCÍPëPSPPrPsPíCÍPëP»PsPj
(PrPëPI. CÍP°P·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCíPIP°PSPSCÍB»).

PhPrPSP°Pe CÍPeC°Ps PsPrPSPsC±P°CÍPSPµ PíCÍPëP·PSP°C±PµPSPSCÍ C†PëC...
CÍPµC±PsPIPëPS C" PSPµPsP±C...C-PrPSPëPj, C—C... CÍP»C-Pr
P·P°CÍC,PsCÍPsPICíPIP°C,Pë P· PsP±PµCÍPµP¶PSC-CÍC,CÍ C,P° PíCÍP°PSPiPsPrPëC,Pë
C±P°CÍC,PëPNë PePsPSC,CÍP°P»CH PeP°P»C-CÍ Cí CÍPëCÍP°PSPiP°C,C†C-B PeCÍP°PIC-.
P©PsPrPs P·P°CÍC,PsCÍCíPIP°PSPSCÍ CÍPíC-CÍP°PSPsP»P°PeC,PsPSCí PíCÍPë
CÍPµCÍC†PµPIC-PNë PSPµPrPsCÍC,P°C,PSPsCÍC,C- PrPëPI. PíCíPSPeC,B
B«PhPrPSPsC±P°CÍPSPµ P·P°CÍC,PsCÍCíPIP°PSPSCÍ, CÍPePµ PíPsC,CÍPµP±C±C"
PsCÍPsP±P»PëPIPsC— C±PIP°PíPëB».

P>C-C,C-PNë. PµCÍPë P·P°CÍC,PsCÍCíPIP°PSPSC- C-PSPiC-P±C-C,PsCÍC-PI PhPµPα P·
PíCÍPµPíP°CÍP°C,P°PjPë P»C-C,C-CÍ PíPsPIC-PrPsPjP»CÍP»PsCÍCÍ PíCÍP°P PsP±PsCÍP°C,PSPµ
PíC-PrPIPëC°PµPSPSCÍ PePsPSC†PµPSC,CÍP°C†C-C— P»C-C,C-CÍ Cí CÍPëCÍP°PSPiP°C,C†C-B
PeCÍP°PIC- C,P° PNëPsPiPs C,PsPeCÍPëC±PSC-CÍC,CH. PkPµ CÍPµPePsPjPµPSPPrCíC"C,CHCÍCÍ
P·P°CÍC,PsCÍPsPICíPIP°C,Pë PíPµCÍPëPSPPrPsPíCÍPëP» P· PíCÍPµPíP°CÍP°C,P°PjPë

P»C-C,C-CĤ. PJ CĤP°P·C- PrPsPIPμPrPμPSPsC— PSPμPsP±C...C-PrPSPsCĴC,C- C,P°PePsPiPs
PiCĤPëP·PSP°C±PμPSPSCĴ PsP±PsPIbĤ™ CĴP·PePsPIPs CĴP»C-Pr CĤPμC,PμP»CHPSPs
PePsPSC,CĤPsP»CĤPIP°C,Pë CĤC-PIPμPSCĤ P»C-C,C-CĤ CĴ CĴPëCĤPsPIP°C,C†C- PeCĤPsPIC-
(PrPëPI. PiCĴPSPeC,B B«PhCĴPsP±P»PëPIPsCĴC,C- P·P°CĴC,PsCĴCĴPIP°PSPSCĴB»).

PhPrPSPsC±P°CĴPSPμ P·P°CĴC,PsCĴCĴPIP°PSPSCĴ, C%Ps PiPsC,CĤPμP±CĴC
PsCĴPsP±P»PëPIPsC— CĴPIP°PiPë.

PμCĤPsC,PëPrC-P°P±PμC,PëC±PSC- P·P°CĴPsP±Pë (C-PSCĴCĴP»C-PS,
PiC-PiPsPiP»C-PePμPjC-C±PSC- P·P°CĴPsP±Pë PrP»CĴ PiPμCĤPsCĤP°P»CHPSPsPiPs
P·P°CĴC,PsCĴCĴPIP°PSPSCĴ).

P PμP·CĴP»CHC,P°C,Pë PμPiC-PrPμPjC-PsP»PsPiC-C±PSPëC... PrPsCĴP»C-PrPμPμPSCĤ
CĴPIC-PrC±P°C,CH PiCĤPs C,Pμ, C%Ps PsPrPSPsC±P°CĴPSPμ P·P°CĴC,PsCĴCĴPIP°PSPSCĴ
C-PSPiC-P±C-C,PsCĤC-PI PhPμPα C,P° PiCĤPsC,PëPrC-P°P±PμC,PëC±PSPëC... P·P°CĴPsP±C-PI
(C-PSCĴCĴP»C-PS, PiC-PiPsPiP»C-PePμPjC-C±PSC- P·P°CĴPsP±Pë PrP»CĴB
PiPμCĤPsCĤP°P»CHPSPsPiPs P·P°CĴC,PsCĴCĴPIP°PSPSCĴ) PjPsPμPi PiPsCĴPëP»PëC,Pë
C†CĴPeCĤPsP·PSPëPμCĴPIP°P»CHPSPëPNë PμC,,PμPeC, P· CĤPëP·PëPePsPj CĤPsP·PIPëC,PeCĴ
PiC-PiPsPiP»C-PePμPjC-C—. P'·C-CĤPsPiC-PrPSC-C€Pμ, C%Ps C†Pμ CĴPIPëC%PμB PjPsPμPi
PIPëPSPëPeP°C,Pë CĴ PiPμCĤC€C- C,PëPμPSC- PePsPjP±C-PSPsPIP°PSPsPiPs
P»C-PeCĴPIP°PSPSCĴ C,P° CĴ PiP°C†C-C"·PSC,C-PI P· PSPëCĤPePsPIPsCĤ
PSPμPrPsCĴC,P°C,PSC-CĴC,CĤ.

P'P°PeP»PsC,,PμPS PiPsCĴPëP»CĤC" P°PSC,PëPiC-PiPμCĤC,PμPSP·PëPIPsPëPNë PμC,,PμPeC.,
PκPμPsP±C...C-PrPSPs PePsPSC,CĤPsP»CĤPIP°C,Pë P°CĤC,PμCĤC-P°P»CHPSPëPNë C,PëCĴPe
C-, CĴ CĤP°P·C- PSPμPsP±C...C-PrPSPsCĴC,C-, PePsCĤPμPiCĴPIP°C,Pë PrPsP·CĴ
P°PSC,PëPiC-PiPμCĤC,PμPSP·PëPIPsPëPNë P·P°CĴPsP±CĴ.

P"·C-CĴCĤPμC,PëPePë. PJ PiP°C†C-C"·PSC,C-PI, CĴPeC- PiCĤPëPNëPjP°CĤC,CH
PrC-CĴCĤPμC,PëPePë, C,P° PsCĴPsP±P»PëPIPs CĴ C,PëC..., CĴ PePsPiPs PiPsCĤCĴC€PμPSPëPNë
PIPsPrPSPs-PμP»PμPeC,CĤPsP»C-C,PSPëPNë PsP±PjC-PS, PjPsPμPiP»PëPIPsPSP°PrPjC-CĤPSPμ
P·PSPëPμPμPSPSCĴ P°CĤC,PμCĤC-P°P»CHPSPsPiPs C,PëCĴPeCĴ PiC-CĴP»CĴ PiPsC±P°C,PeCĴ
P»C-PeCĴPIP°PSPSCĴ C-PSPiC-P±C-C,PsCĤPsPj PhPμPα. P†PjPsPIC-CĤPSC-CĴC,CH
CĤPsP·PIPëC,PeCĴ PiC-PiPsC,PμPSP·PëPIPsPëPNë PμC,,PμPeC,CĴ PjPsPμPi P±CĴC,Pë
P·PSPëPμPμPSP° C€P»CĴC...PsPj PIC-PrPjC-PSPë PiCĤPëPNëPsPjCĴ PrC-CĴCĤPμC,PëPeP°,
PiC-PrPIPëC%PμPSPSCĴ PsP±bĤ™ C"·PjCĴ C†PëCĤPeCĴP»CĤCĤC±PsC— PeCĤPsPIC- P°P±Ps
CĴPiPsPμPiPëPIP°PSPSCĴ CĴPsP»C- PiPμCĤPμPr PiPsC±P°C,PePsPj C,PμCĤP°PiC-C—
PiPμCĤPëPSPPrPsPiCĤPëP»PsPj, CĴPeCĴ CĴP»C-Pr CĤPsP·PiPsC±PëPSP°C,Pë P· PSPëP·CHPePsC—
PrPsP·Pë P· PiPsCĴC,CĴPiPsPiPëPj C-C— PiC-PrPIPëC%PμPSPSCĴPj. PμCĤPë
P°CĤC,PμCĤC-P°P»CHPSC-PNë PiC-PiPμCĤC,PμPSP·C-C—, PePsP»Pë PiPsPiPμCĤPμPrPSCĤPs
PiCĤPëP·PSP°C±PμPSPëPNë PrC-CĴCĤPμC,PëPe PjC-Pi CĴPiCĤPëC±PëPSPëC,Pë
PSPμPrPsCĴC,P°C,PSC-CĴC,CH PIPsPrPë/PμP»PμPeC,CĤPsP»C-C,C-PI, PNëPsPiPs
PSPμPsP±C...C-PrPSPs PIC-PrPjC-PSPëC,Pë PiPμCĤPμPr PiPsC±P°C,PePsPj P»C-PeCĴPIP°PSPSCĴ
C-PSPiC-P±C-C,PsCĤPsPj PhPμPα (CĴ C,P°PePëC... PIPëPiP°PrPeP°C... PiCĤPëPNëPsPj
PrC-CĴCĤPμC,PëPeP° PjPsPμPi P±CĴC,Pë PiPsPSPsPIP»PμPSPs P· C†P°CĴPsPj) P°P±Ps
PiCĤPëP·PSP°C±PëC,Pë C-PSPiC-P±C-C,PsCĤ PhPμPα CĴ PSPëP·CHPeC-PNë PrPsP·C- P·
PiPsCĴC,CĴPiPsPiPëPj C—C— PiC-PrPIPëC%PμPSPSCĴPj. PμCĤPë P·P°CĴC,C-PNëPSC-PNë
CĴPμCĤC†PμPIC-PNë PSPμPrPsCĴC,P°C,PSPsCĴC,C- PSP° C,P»C- PiCĤPëPNëPsPjCĴ
PrC-CĴCĤPμC,PëPeP° PiCĤPëPNëPsPj C-PSPiC-P±C-C,PsCĤCĴ PhPμPα CĴP»C-Pr
CĤPsP·PiPsC±PëPSP°C,Pë P· PjC-PSC-PjP°P»CHPSPsC— PrPsP·Pë, PjPsPμPiP»PëPIPs, PiC-CĴP»CĴ
P·PSPëPμPμPSPSCĴ PrPsP·Pë PrC-CĴCĤPμC,PëPeP°. PJ P±CĴPrCH-CĴPePsPjCĴ PIPëPiP°PrPeCĴ
PSPμPsP±C...C-PrPSPs PePsPSC,CĤPsP»CĤPIP°C,Pë C,,CĴPSPeC†C-CĤ PSPëCĤPsPe

PhPSC, PëPiC-PiPμCḤC, PμPSP·PëPIPSC- P·P°CḤPsP±Pë C, P° PIP°P·PsPrPëP»P°C, P°C, PsCḤPë:
PsPrPSPSc±P°CḤPSPμ P·P°CḤC, PsCḤCḤPIP°PSPSCḤ P°PSC, PëPiC-PiPμCḤC, PμPSP·PëPIPSPëC...
P·P°CḤPsP±C-PI PjPsP¶Pμ PiC-PrPIPëC%PëC, Pë PiC-PiPsC, PμPSP·PëPIPSPëP№ PμC,, PμPeC,
PiPμCḤPëPSPPrPsPiCḤPëP»CḤ. PhPrPSPSc±P°CḤPSPμ P·P°CḤC, PsCḤCḤPIP°PSPSCḤ P·

PSC-C, C₇PsPiP»C-C†P_μC₇PēPSPsPj C, P° C-PSC€PēPjPē PSC-C, C₇P°C, P°PjPē P°P±Ps P·
C-PSC€PēPjPē PIP°P·PsPrPēP»P°C, P°C, PsC₇P°PjPē PjPsP¶P_μ C†PīC₇PēC_μC, Pē
PrPsPrP°C, PePsPIPsPjCr P·PSPēP¶P_μPSPSC₇ P°C₇C, P_μC₇C-P°P»CH₃PSPsPiPs C, PēC†PēCr.

PhPrPSPsC†P°C†PSP_μ P·P°C†C, PsC†C†PIP°PSPSC_μ PrP_μC_μPePēC...
C, C₇PēC†PēPeP»C-C†PSPēC... P°PSC, PēPrP_μPīC₇P_μC†P°PSC, C-PI P°P±Ps
P°PSC, PēPīC†PēC...PsC, C₇PsPiPSPēC... P·P°C†PsP±C-PI, P°P±Ps P°PSP_μC†C, P_μC, PēPeC-PI P·
C-PSPiC-P±C-C, PsC₇P°PjPē PhP_μα PjPsP¶P_μ PīC₇PēP·PIP_μC†C, Pē PrPs PīPsPrP°P»CH₃C€PsPiPs
P·PSPēP¶P_μPSPSC_μ P°C₇C, P_μC₇C-P°P»CH₃PSPsPiPs C, PēC†PēCr (PrPēPI. C₇PsP·PrC-P»
B«PhC†PsP±P»PēPIPsC†C, C- P·P°C†C, PsC†C†PIP°PSPSC_μB»).

PŸPēPjPīP°C, PsPjC-PjP_μC, PēPePē PjPsP¶C†C, CH PīPsC†P»P°P±P»C_μC, Pē
P°PSC, PēPiC-PīP_μC₇C, P_μPSP·PēPIPsC† PrC-C₇ C-PSPiC-P±C-C, PsC₇C-PI PhP_μα.

P—PsP»PsC, Ps: PSC-C, C₇P°C, PsPīPsPrC-P±PSP° C₇P_μP°PeC†C-C_μ (C†PēPjPīC, PsPjP°PjPē
C": PīPsC†P_μC₇PIPsPSC-PSPSC_μ PsP±P»PēC†C†C_μ, PSC†PrPsC, P°, P±P»CH₃PIP°PSPSC_μ
C, P° P°C₇C, P_μC₇C-P°P»CH₃PSP° PiC-PīPsC, P_μPSP·C-C_μ) P·C†C†C, C₇C-C†P°P»P°C†C_μ
C₇C-PrPePs Cr PīP°C†C-C" PSC, C-PI, C_μPeC- PsPrPSPsC†P°C†PSPs PīC₇PēP_μPjP°P»Pē
C-PSPiC-P±C-C, PsC₇Pē PhP_μα, PIPeP»CH₃C†P°CH₃C†Pē PīP_μC₇PēPSPPrPsPīC₇PēP», C, P°
C-PSB₇™ C"PeC†C-PN₆PSC- PīC₇P_μPīP°C₇P°C, Pē P·PsP»PsC, P° (PSP°C, C₇C-C₇
P°C†C₇PsC, C-PsPjP°P»P°C,).

PhC†PsP±P»PēPIPsC†C, C- P·P°C†C, PsC†C†PIP°PSPSC_μ.

PŸC, P°P±C-P»CH₃PSP° C-C€P_μPjC-C†PSP° C...PIPsC₇PsP±P° C†P_μC₇C†C_μ. Pj PIPēPīP°PrPeCr,
C_μPeC%oPs PīC₇PsC, C_μPiPsPj PīP_μC₇C€PsPiPs PjC-C†C_μC†C_μ P»C-PeC†PIP°PSPSC_μ
PīP_μC₇PēPSPPrPsPīC₇PēP»PsPj PIC-PrP±C†PIC†C_μ P_μPiC-P·PsPr PSP_μC†C, P°P±C-P»CH₃PSPsC—
C†C, P_μPSPsPeP°C₇PrC-C— (P±C†PrCH₃-C_μPePsC— C, C_μP¶PēPsC†C, C-), PSP_μPsP±C...C-PrPSPs
C₇P_μC, P_μP»CH₃PSPs P·PIP°P¶PēC, Pē C†PīC-PIPIC-PrPSPsC€P_μPSPSC_μ
C₇PēP·PēPe/PePsC₇PēC†C, CH PīP_μC₇P_μPr C, PēPj C_μPe PIPēC₇C-C€C†PIP°C, Pē
PīPēC, P°PSPSC_μ PīC₇Ps PīC₇PsPrPsPIP¶P_μPSPSC_μ C, P_μC₇P°PīC-C—.

PhC₇C, P_μC₇C-P°P»CH₃PSP° PiC-PīPsC, P_μPSP·C-C_μ. P_μC₇PēPN₆PsPj C-PSPiC-P±C-C, PsC₇C-PI
PhP_μα PjPsP¶P_μ C†PīC₇PēC†PēPSPēC, Pē P·PSPēP¶P_μPSPSC_μ P°C₇C, P_μC₇C-P°P»CH₃PSPsPiPs
C, PēC†PēCr. PŸPēPjPīC, PsPjP°C, PēC†PSP° P°C₇C, P_μC₇C-P°P»CH₃PSP° PiC-PīPsC, P_μPSP·C-C_μ
C†PīPsC†C, P_μC₇C-PiP°C" C, CH₃C†C_μ C₇C-PrC€P_μ Cr PīP°C†C-C" PSC, C-PI P·
PSP_μC†C†PēP»P°PrPSP_μPSPsC₇ P°C₇C, P_μC₇C-P°P»CH₃PSPsC₇ PiC-PīP_μC₇C, P_μPSP·C-C" C₇
C, P° C" P±C-P»CH₃C€ PIC-C₇PsPiC-PrPSPsC₇ Cr PīP°C†C-C" PSC, C-PI P·
PiC-PīPsPIPsP»P_μPjC-C" C₇, Cr C, PēC..., C...C, Ps PīC₇PēPN₆PjP°C" PrC-C†C₇P_μC, PēPePē,
P·PSP°C...PsPrPēC, CH₃C†C_μ PSP° PrC-C" C, C- P· PsP±PjP_μP¶P_μPSPSC_μPj PeC-P»CH₃PePsC†C, C-
C†PsP»C-, Cr PīP°C†C-C" PSC, C-PI PSP° PrC-P°P»C-P·C-, Cr PīP°C†C-C" PSC, C-PI P·
PrC-P°C₇P_μC" C₇ P°P±Ps P±P»CH₃PIP°PSPSC_μPj, P°P±Ps Cr PīP°C†C-C" PSC, C-PI C-P·
C, C_μP¶PēPsC₇ C₇P_μPSC-PS-P·P°P»P_μP¶PSPsC₇ P°C₇C, P_μC₇C-P°P»CH₃PSPsC₇
PiC-PīP_μC₇C, P_μPSP·C-C" C₇ (PrPēPI. C₇PsP·PrC-P»Pē B«P·P·C" PjPsPrC-C_μ P· C-PSC€PēPjPē
P»C-PeP°C₇C†CH₃PePēPjPē P·P°C†PsP±P°PjPē C, P° C-PSC€C- PIPēPrPē PIP·P°C" PjPsPrC-PN₆B»
C, P° B«P_μPsP±C-C†PSC- C₇P_μP°PeC†C-C—B»). PŸPēPjPīC, PsPjP°C, PēC†PSP°
P°C₇C, P_μC₇C-P°P»CH₃PSP° PiC-PīPsC, P_μPSP·C-C_μ C†PīPsC†C, P_μC₇C-PiP°P»P°C†CH₃ Cr
PīP°C†C-C" PSC, C-PI P· C†PēPjPīC, PsPjP°C, PēC†PSPsC₇ C†P_μC₇C†P_μPIPsC₇
PSP_μPrPsC†C, P°C, PSC-C†C, C₇, C-P· C†C†PīCrC, PSCH₃PsC₇ PSPēC₇PePsPIPsC₇

PSPµPrPsCfC,P°C,PSC-CfC,Ch P°P±Ps P±PµP· PSPµC—. P'PëPSPëPePSPµPSPSCl
CfPëPjPiC,PsPjP°C,PëC±PSPsC— P°ChC,PµChC-P°P»CHPSPsC— PiC-PiPsC,PµPSP·C-C—
PSP°PN±C-P»CHC€ PIC-ChPsPiC-PrPSPµ Cr PiP°C†C-C"psc,C-PI P· P±C-P»CHC€
C,CfP¶PePëPj CfC,CfPiPµPSPµPj CfPµChC†PµPIPsC— PSPµPrPsCfC,P°C,PSPsCfC,C-, CfPeC-
PiChPëPN±PjP°CChC,Ch PIPµP»PëPeC- PrPsP·Pë PiPµC,P»CHPsPIPëC... PrC-CfChPµC,PëPeC-PI,
PjP°CChC,Ch PiC-PiPsPSP°C,ChC-C"pjC-Ch P°P±Ps PSPëChPePsPICr
PSPµPrPsCfC,P°C,PSC-CfC,Ch C,,CfPSPëC†C-PsPSP°P»CHPSPsPiPs C...P°ChP°PeC,PµChCf.
PµP°C†C-C"psc,P°Pj P· PiC-PrPIPëC%PµPSPëPj ChPëP·PëPePsPjB
CfPëPjPiC,PsPjP°C,PëC±PSPsC— P°ChC,PµChC-P°P»CHPSPsC— PiC-PiPsC,PµPSP·C-C—
CfP»C-Pr PiC-Pr C±P°Cf PiPsC±P°C,PeCf C,PµChP°PiC-C— C,P° PSP° PµC,P°PiC-
PiC-PrP±PsChCf PrPsP· PiPµChPµP±CfPIP°C,Pë PiC-Pr ChPµC,PµP»CHPSPëPj
PSP°PiP»CfPrPsPj P»C-PeP°ChCf (PrPëPI. ChPsP·PrC-P»Pë B«PÿPiPsCfC-P±
P·P°CfC,PsCfCfPIP°PSPSCl C,P° PrPsP·PëB» C,P° B«PµPsP±C-C±PSC- ChPµP°PeC†C-C—B»).

PÿP°PeC- CfP°PjC- P·P°CfC,PµChPµP¶PµPSPSCl CfC,PsCfCfChC,ChCfCf
PiP°C†C-C"psc,C-PI P· C-C€PµPjC-C±PSPsCh C...PIPsChPsP±PsCh CfPµChC†Cf P°P±Ps
C†PµChPµP±ChPsPIP°CfPeCfP»CfChPSPëPjPë P·P°C...PIPsChPµPIP°PSPSClPjPë, Cr
CfPePëC... PSP°PrPjC-ChPSPµ P·PSPëP¶PµPSPSCl P°ChC,PµChC-P°P»CHPSPsPiPs C,PëCfPeCf
PjPsP¶Pµ CfPiChPëC±PëPSPëC,Pë PIPëPSPëPePSPµPSPSCl C-PSC,,P°ChPeC,Cf
PjC-PsPeP°ChPPrP° P°P±Ps C-PSCfCfP»CHC,Cf.

PµChPë PIPëPSPëPePSPµPSPSC- P°ChC,PµChC-P°P»CHPSPsC— PiC-PiPsC,PµPSP·C-C—
PiP°C†C-C"psc,Cf CfP»C-Pr PSP°PrP°C,Pë PiPsChPëP·PsPSC,P°P»CHPSPµ
PiPsP»PsP¶PµPSPSCl C,P° Cr ChP°P·C- PSPµPsP±C...C-PrPSPsCfC,C- PIPµCfC,Pë
PIPsCfC,ChC-C€PSCHPsPIPµPSPSPs 0,9 % (9 PjPi/PjP») ChPsP·C±PëPS PSP°C,ChC-Ch
C...P»PsChPëPrCf. PÿChP°PSP·PëC,PsChPSP° PiC-PiPsC,PµPSP·C-Cf PSPµ C"
PiChPsC,PëPiPsPeP°P·P°PSPSClPj PrP»Cf PiPsPrP°P»CHC€PsPiPs P·P°CfC,PsCfCfPIP°PSPSCl
PiChPµPiP°ChP°C,Cf, CfPePëPN± P·P°P·PIPëC±P°PN± PjPsP¶PSP° P·P°CfC,PsCfPsPICfPIP°C,Pë
P±PµP· P±CfPrChC-CfPePëC... PiPµChPµC€PePsPr PiC-CfP»Cf PIC-PrPSPsPIP»PµPSPSCl
PsP±Bf™C"PjCf PeChPsPIC- C,P° PiC-PrPIPëC%PµPSPSCl P°ChC,PµChC-P°P»CHPSPsPiPs
C,PëCfPeCf.

Pj PrPµCfPePëC... PiP°C†C-C"psc,C-PI C-P· P·P°CfC,C-PN±PSPsCh CfPµChC†PµPIPsCh
PSPµPrPsCfC,P°C,PSC-CfC,Ch P· PSPsChPjP°P»CHPSPëPj P°P±Ps P·PSPëP¶PµPSPëPj
P°ChC,PµChC-P°P»CHPSPëPj C,PëCfPePsPj PiPµChPëPSPPrPsPiChPëP»Cf C,PµChC,-
P±CfC,PëP»P°PjC-PS PjPsP¶Pµ CfPiChPëC±PëPSPëC,Pë PrPsPrP°C,PePsPIPµ P·PSPëP¶PµPSPSCl
CfPëCfC,PµPjPSPsPiPs P°ChC,PµChC-P°P»CHPSPsPiPs C,PëCfPeCf. PiPµPN± PµC,,PµPeC, C"
PiPµChPµPrP±P°C±CfPIP°PSPëPj C- P·P°P·PIPëC±P°PN± PSPµ PiPsC,ChPµP±CfC" PIC-PrPjC-PSPë
PiChPµPiP°ChP°C,Cf. PiPeC%Ps P°ChC,PµChC-P°P»CHPSP° PiC-PiPsC,PµPSP·C-Cf CfC,P°C"
CfPëPjPiC,PsPjP°C,PëC±PSPsCh, PjPsP¶Pµ P·Bf™ CfPIPëC,PëCfCf
PSPµPsP±C...C-PrPSC-CfC,Ch P·PSPëP¶PµPSPSCl PrPsP·Pë P°P±Ps PIC-PrPjC-PSPë
PiChPµPiP°ChP°C,Cf.

PÿC,PµPSPsP· P°PsChC,P°P»CHPSPsPiPs C,P° PjC-C,ChP°P»CHPSPsPiPs
PeP»P°PiP°PSC-PI/PiC-PiPµChC,ChPsC,,C-C±PSP° PeP°ChPrC-PsPjC-PsPiP°C,C-Cf. PiPe C-
C-PSC€C- C-PSPiC-P±C-C,PsChPë PµPµPµ, PiPµChPëPSPPrPsPiChPëP»Cf C,PµChC,-
P±CfC,PëP»P°PjC-PS CfP»C-Pr PiChPëP·PSP°C±P°C,Pë P· PsP±PµChPµP¶PSC-CfC,Ch
PiP°C†C-C"psc,P°Pj P·C- CfC,PµPSPsP·PsPj PjC-C,ChP°P»CHPSPsPiPs PeP»P°PiP°PSP° P°P±Ps
PsP±CfC,ChCfPeC†C-C"Ch PIPëC...PsPrCf P· P»C-PIPsPiPs C€P»CfPSPsC±PeP°
(P°PsChC,P°P»CHPSPëPN± CfC,PµPSPsP· P°P±Ps PiC-PiPµChC,ChPsC,,C-C±PSP°
PeP°ChPrC-PsPjC-PsPiP°C,C-Cf).

PµPsChCfC€PµPSPSCl C,,CfPSPëC†C-C— PSPëChPsPe.

PJ PIPëPİP°PrPeCř PSPëCĤPePsPIPsC— PSPµPrPsCřC,P°C,PSPsCřC,C- (PeP»C-CĤPµPSCř PeCĤPµP°C,PëPSC-PSCř < 60 PjP»/C...PI) PİPsC‡P°C,PePsPICř PrPsP·Cř PİPµCĤPëPSPPrPsPİCĤPëP»Cř CřP»C-Pr PİCĤPëP·PSP°C‡P°C,Pë PIC-PrPİPsPIC-PrPSPs PrPs PeP»C-CĤPµPSCřCř PeCĤPµP°C,PëPSC-PSCř PİP°C‡C-C”PSC,P° (PrPëPI. CĤPsP·PrC-P» B«PŸPİPsCřC-P± P·P°CřC,PsCřCřPİP°PSPSCĬ C,P° PrPsP·PëB»), P° PrP°P»C- BĤ“ P·P°P»PµP¶PSPs PIC-Pr PIC-PrPİPsPIC-PrC- PİP°C‡C-C”PSC,P° PSP° P»C-PeCřPİP°PSPSCĬ. P PµPİCřP»CĬCĤPSPëP№ PjPsPSC-C,PsCĤPëPSPİ PeP°P»C-CĤ C,P° PeCĤPµP°C,PëPSC-PSCř C” C‡P°CřC,PëPSPsCĤ P·PİPëC‡P°P№PSPsC— PjPµPrPëC‡PSPsC— PİCĤP°PeC,PëPePë PrP»CĬ C,P°PePëC... PİP°C‡C-C”PSC,C-PI (PrPëPI. CĤPsP·PrC-P» B«PµPsP±C-C‡PSC-CĤPµP°PeC‡C-C—B»).

PJ PİP°C‡C-C”PSC,C-PI C-P· CřPëPjPİC,PsPjP°C,PëC‡PSPsCĤ CřPµCĤC‡PµPIPsCĤ PSPµPrPsCřC,P°C,PSC-CřC,CĤ P°CĤC,PµCĤC-P°P»CHbPSP° PİC-PİPsC,PµPSP·C-CĬ, C°Ps PİPëPSPëPeP°C” PSP° PİPsC‡P°C,PeCř P·P°CřC,PsCřCřPİP°PSPSCĬ C-PSPIc-P±C-C,PsCĤC-PI PhPµPα, PjPsP¶Pµ PİCĤPëP·PİPµCřC,Pë PrPs PİPsCĤCřC€PµPSPSCĬ C„CřPSPeC‡C-C— PSPëCĤPsPe, B Cř PrPµCĬPePëC... PİPëPİP°PrPeP°C... BĤ“ C-P· PİPëPSPëPePSPµPSPSCĬPj PİPsCřC,CĤPsC— PSPëCĤPePsPIPsC— PSPµPrPsCřC,P°C,PSPsCřC,C-, CĬPeP° P·P°P·PİPëC‡P°P№ C” PsP±PsCĤPsC,PSPsCĤ.

PJ PrPµCĬPePëC... PİP°C‡C-C”PSC,C-PI P· PrPIPsP±C-C‡PSPëPj CřC,PµPSPsP·PsPj PSPëCĤPePsPİPëC... P°CĤC,PµCĤC-P№ P°P±Ps CřC,PµPSPsP·PsPj P°CĤC,PµCĤC-C— C”PrPëPSPsC— PSPëCĤPePë PİCĤPë P·P°CřC,PsCřCřPİP°PSPSC- C-PSPIc-P±C-C,PsCĤC-PI PhPµPα CřPİPsCřC,PµCĤC-PİP°P»PsCřCĬ P·P±C-P»CHbC€PµPSPSCĬ CĤC-PIPSC-PI CřPµC‡PsPİPëPSPë PeCĤPsPIC- C,P° PeCĤPµP°C,PëPSC-PSCř Cř CřPëCĤPsPİP°C,C‡C- PeCĤPsPIC-, CĬPeC- P·P°P·PİPëC‡P°P№ PİPsPİPµCĤC,P°P»PëCřCĬ PrPs PSPsCĤPjPë PİC-CřP»CĬ PİCĤPëPİPëPSPµPSPSCĬ P»C-PeCřPİP°PSPSCĬ. PİPµ PsCřPsP±P»PëPIPs CřC,PsCřCřC”C,CHbCřCĬ PİP°C‡C-C”PSC,C-PI C-P· PSPëCĤPePsPIPsCĤ PSPµPrPsCřC,P°C,PSC-CřC,CĤ. PµCĤPë PSP°CĬPİPSPsCřC,C- CřCřPİCřC,PSCHbPsC— CĤPµPSPsPİP°CřPeCřP»CĬCĤPSPsC— PİC-PİPµCĤC,PµPSP·C-C— CĤPëP·PëPe PİPëPSPëPePSPµPSPSCĬ C,CĬP¶PePsC— P°CĤC,PµCĤC-P°P»CHbPSPsC— PİC-PİPsC,PµPSP·C-C— C,P° PSPëCĤPePsPIPsC— PSPµPrPsCřC,P°C,PSPsCřC,C- PİC-PrPİPëC°CřC”C,CHbCřCĬ. P”P»CĬ C,P°PePëC... PİP°C‡C-C”PSC,C-PI P»C-PeCřPİP°PSPSCĬ CřP»C-Pr CĤPsP·PİPsC‡PëPSP°C,Pë PİC-Pr CĤPµC,PµP»CHbPSPëPj CřPİPsCřC,PµCĤPµP¶PµPSPSCĬPj P»C-PeP°CĤCĬ P· PjP°P»PµPSCĤPePëC... PrPsP· C,P° P· PsP±PµCĤPµP¶PSPsCĤ C,PëC,CĤP°C‡C-C”CĤ PrPsP·. P’CĤP°C...PsPICřCĤC‡Pë PİPëC°PµCřPeP°P·P°PSPµ, P»C-PeCřPİP°PSPSCĬ PrC-CřCĤPµC,PëPeP°PjPë PjPsP¶Pµ CřPİCĤPëCĬC,Pë PİPëPSPëPePSPµPSPSCĤ P°CĤC,PµCĤC-P°P»CHbPSPsC— PİC-PİPsC,PµPSP·C-C—, C,PsPjCř C—C... PİPsC,CĤC-P±PSPs PIC-PrPjC-PSPëC,Pë C,P° PİCĤPsPİPsPrPëC,Pë PjPsPSC-C,PsCĤPëPSPİ C„CřPSPeC‡C-C— PSPëCĤPsPe Cř PİPµCĤC€C- C,PëP¶PSC- P»C-PeCřPİP°PSPSCĬ PİPµCĤPëPSPPrPsPİCĤPëP»Cř C,PµCĤC,-P±CřC,PëP»P°PjC-PSCř.

PJ PrPµCĬPePëC... PİP°C‡C-C”PSC,C-PI P· P°CĤC,PµCĤC-P°P»CHbPSPsCĤ PİC-PİPµCĤC,PµPSP·C-C”CĤ, Cř CĬPePëC... PrPs PİPsC‡P°C,PeCř P»C-PeCřPİP°PSPSCĬ PSPµ P±CřP»Ps PİPëCĬPİP»PµPSPs CĤPµPSPsPİP°CřPeCřP»CĬCĤPSPëC... P·P°C...PİPsCĤCĤPİP°PSCHb, PIC-PrP±CřPİP°P»PsCřCĬ PİC-PrPİPëC°PµPSPSCĬ CřPµC‡PsPİPëPSPë PeCĤPsPIC- C,P° PeCĤPµP°C,PëPSC-PSCř CřPëCĤPsPİP°C,PePëB PeCĤPsPIC-, P·P°P·PİPëC‡P°P№ PSPµP·PSP°C‡PSPµ C,P° C,PëPjC‡P°CřPsPİPµ, PsCřPsP±P»PëPIPs PePsP»Pë PİPµCĤPëPSPPrPsPİCĤPëP»Cř C,PµCĤC,- P±CřC,PëP»P°PjC-PS PİCĤPëP·PSP°C‡P°P»Pë PsPrPSPsC‡P°CřPSPs P· PrC-CřCĤPµC,PëPePsPj. PhP»Pµ C‡Pµ P±C-P»CHbC€ C...P°CĤP°PeC,PµCĤPSPs PrP»CĬ

P»C-PeCfPIP°PSPSCl. P»CfP»P·PSP°C»P»PSPSCl P°PSC,P»PiC-CfC,P°PjC-PSPSPeC...
PiCfP»PiP°CfP°C,C-PI PjPsP»P» P±CfC,P» PePsCfP»P»PSP»Pj PrP»Cl P·PjP»PSC»P»PSPSCl
CfP»PjPiC,P»PjC-PI.

P»PSPiC-PsPSP»PICfP»C,P»C»PSP»P» PSP°P±CfClPe, PiPsPiBf™ ClP·P°PSP»P» P·
PSP°P±CfClPePsPj PiPsCfC,P°PSC-, PjPsP»P» PiCfP»P·PiP»CfC,P» PrPs
P»P»C,P°P»CfPSPeC... PSP°CfP»C-PrPeC-PI. Pj PIP»PiP°PrPeP°C..., PePsP»P» PSP°P±CfClPe
CfP»P·PiPsPICfCfPrP»CfC°C,CfCfCl PSP° ClP·P»Pe, PiPsP»PsCfP»PICf C°C-P»P»PSCf
P°P±Ps PiPsCfC,P°PSCf, C°Ps CfPiCfP»P»P»PSClC° PsP±CfC,CfCfPeCfC-Cf
PrPeC...P°P»CfPSPeC... C»P»ClC...C-PI, PSP»PsP±C...C-PrPSP» C,P»CfPjC-PSPsPiP»
PiCfP»PiP»PrP»PSPSCl PSP»PIC-PrPeP»P°PrPSPsC— C,P»CfP°PiC-C—, ClPeP° PjPsP»P»
PiPeP»CfC»P°C,P» PIPiP»PrP»PSPSCl P°PrCfP»PSP°P»C-PSCf C,P°/P°P±Ps
P·P°P±P»P·PiP»C»P»PSPSCl PiCfP»C...C-PrPSPsCfC,C- PrPeC...P°P»CfPSPeC...
C»P»ClC...C-PI. P»P°CfC-C°PSC,Cf CfP»C-Pr PiP»CfP»P±CfPIP°C,P» PiC-Pr
CfP»C,P»P»CfPSP»Pj PjP»PrPeC»PSP»Pj PSP°PiP»ClPrPsPj PrPs PiPsPiPSPsPiPs
P·PSP»PePSP»PSPSClB CfP»PjPiC,P»PjC-PI C,P°B CfC,P°P±C-P»C-P°CfC-C— P»PsPiPs
CfC,P°PSCf. P»P°CfC-C°PSC,P» P· P°PSPiC-PsPSP»PICfP»C,P»C»PSP»Pj PSP°P±CfClPePsPj PI
P°PSP°PjPSP»P·C-, ClPeP»P» PSP» P±CfPI PiPsPiBf™ ClP·P°PSP»P» P· PiCfP»P»PsPjPsPj
C-PSPiC-P±C-C,P»CfC-PI P»P»P», PSP°P»P»P»P°C,Cf PrPs PiCfCfPiPe
PiC-PrPiPeC°P»P»PSPsPiPs CfP»P·P»PeCf CfP»P·PiPeC,PeCf
P°PSPiC-PsPSP»PICfP»C,P»C»PSPsPiPs PSP°P±CfClPeCf PiC-Pr C»P°Cf
PiCfP»P»PsPjCf C-PSPiC-P±C-C,P»CfC-PI P»P»P» (PrPePI. CfP»P·PrC-P»
B«P»CfP»C,P»PiPsPeP°P·P°PSPSClB»).

P»PsPIC-PrPsPjP»ClP»PsCfCl PiCfP»CfC-PrPeC-CfPSC- PIP»PiP°PrPeP»
PIP»PSP»PePSP»PSPSCl C-PSC,P»CfC,P»PSP°P»CfPSPsPiPs
P°PSPiC-PsPSP»PICfP»C,P»C»PSPsPiPs PSP°P±CfClPeCf Cf PiP°CfC-C°PSC,C-PI PiC-Pr C»P°Cf
P»C-PeCfPIP°PSPSCl C-PSPiC-P±C-C,P»CfP°PjPe P»P»P». Pj C,P°PePeC... PiP°CfC-C°PSC,C-PI
CfPiPsCfC,P»CfC-PiP°PICfCl P°P±PrPsPjC-PSP°P»CfPSP»P» P±C-P»Cf (P· PSCfPrPsC,P»Cf
P°P±Ps P±P»CfPIP°PSPSClPj C»Pe P±P»P· PSPeC...); Cf PrP»ClPePeC... PIP»PiP°PrPeP°C...
PSP» CfPiPsCfC,P»CfC-PiP°P»PsCfCl PiPsPiP»CfP»PrP»P»P»P»P»
P°PSPiC-PsPSP»PICfP»C,P»C»PSPsPiPs PSP°P±CfClPeCf PsP±P»PeCfCfCl C,P°
CfC-PIP»P»P» P»-1 P»CfC,P»CfP°P·Pe P±CfPI Cf PSPsCfPjC-. P°C-P°PiPSPsP·
C-PSC,P»CfC,P»PSP°P»CfPSPsPiPs P°PSPiC-PsPSP»PICfP»C,P»C»PSPsPiPs PSP°P±CfClPeCf
P±CfPI PICfC,P°PSPsPiP»P»PSP»P» PiC-Pr C»P°Cf PePsPjPiBf™ CfC,P»CfPSPsC—
C,P»PjPsPiCfP°C,,C-C— C»P»CfP»PiPSPsC— PiPsCfP»P»PSP»P» P°P±Ps
CfP»CfC,CfP°P·PICfPePsPiPs PrPsCfP»C-PrP»P»PSPSCl, P°P±Ps PiC-Pr C»P°Cf
C...C-CfCfCfPiC-C»PSPsPiPs PIC,CfCfC»P°PSPSCl. P»C-CfP»Cl PIC-PrPjC-PSP»
C-PSPiC-P±C-C,P»CfCf P»P»P» CfP»PjPiC,P»PjPe P°PSPiC-PsPSP»PICfP»C,P»C»PSPsPiPs
PSP°P±CfClPeCf P·PSP»PeP°P»Pe. P»PSC,P»CfC,P»PSP°P»CfPSP»P»
P°PSPiC-PsPSP»PICfP»C,P»C»PSP»P» PSP°P±CfClPe PSP»PsP±C...C-PrPSPs
PICfP°C...PsPICfPIP°C,P» PiC-Pr C»P°Cf PiCfP»PiP»PrP»PSPSCl
PrPeC,,P»CfP»P»P»P»P»P» PrC-P°PiPSPsP·Cf Cf PiP°CfC-C°PSC,C-PI P·
P°P±PrPsPjC-PSP°P»CfPSP»Pj P±PsP»P»Pj, ClPeC- PiCfP»P»PjP°CfC,Cf
C-PSPiC-P±C-C,P»CfPe P»P»P».

P»PrPSPsC»P°CfPSP» P·P°CfC,P»CfCfPIP°PSPSCl PiP»CfP»PSP»PrPsPiCfP»P»Cf P·
CfP°PeCfP±C-C,CfPeP»PsPj/PIP°P»CfP°CfC,P°PSPsPj PiCfP»C,P»PiPsPeP°P·P°PSP»
C»P»CfP»P· PiC-PrPiPeC°P»PSP»P» CfP»P·Pe CfP»P·PiPeC,PeCf
P°PSPiC-PsPSP»PICfP»C,P»C»PSPsPiPs PSP°P±CfClPeCf (PrPePI. CfP»P·PrC-P»
B«P»CfP»C,P»PiPsPeP°P·P°PSPSClB»). P PsP·PiPsC»PePSP°C,P» P·P°CfC,P»CfCfPIP°PSPSCl

PSPμPsP±PμCḡPμP¶PSPsPjCř PİCḡPsPIPμPrPμPSPSC- PİCḡPsPIPsPeP°C†C-PNεPSPëC...
PİCḡPsP±.

PμPμC†C-PSPePsPIP° PSPμPrPsCİC,P°C,PSC-CİC,CH. P C-PrPePs P·P°CİC,PsCİCřPIP°PSPSCİ
C-PSPiC-P±C-C,PsCḡC-PI PḡPμPα P°CİPsC†C-CḡPIP°P»PsCİCİ P· PIPëPSPëPePSPμPSPSCİPj
CİPëPSPPrCḡPsPjCř, C%Ps CḡPsP·PiPsC†PëPSP°C”C,CHCİCİ P·
C...PsP»PμCİC,P°C,PëC†PSPsC— P¶PsPIC,CİPSPëC†C- C- PİCḡPsPiCḡPμCİCřC” PrPs
C€PIPëPrPePsPiP»PëPSPSPsPiPs PSPμPeCḡPsP·Cř PiPμC†C-PSPePë, C-PSPePsP»Pë P·
P»PμC,P°P»CHPSPëPj PSP°CİP»C-PrPePsPj. PḡPμC...P°PSC-P·Pj C†CHPsPiPs CİPëPSPPrCḡPsPjCř
PSPμCİCİPSPëPNε.B PμP°C†C-C”PSC,P°Pj, Cř CİPePëC... PİC-Pr C†P°Cİ PİCḡPëPNεPsPjCř
C-PSPiC-P±C-C,PsCḡC-PI PḡPμPα CḡPsP·PIPëPIPëPSCřP»P°CİCİ P¶PsPIC,CİPSPëC†CİB
P°P±Ps PIC-PrP·PSP°C†P°C”C,CHCİCİ PİC-PrPIPëC%PμPSPSCİ CḡC-PIPSCİ
PiPμC†C-PSPePsPIPëC... C„PμCḡPjPμPSC,C-PI, CİP»C-Pr PİCḡPëPiPëPSPëC,Pë PİCḡPëPNεPsPj
C-PSPiC-P±C-C,PsCḡCř PḡPμPα C,P° P·P°P±PμP·PiPμC†PëC,Pë PIC-PrPiPsPIC-PrPSPμ
PjPμPrPëC†PSPμ PsP±CİC,PμP¶PμPSPSCİ C- P»C-PeCřPIP°PSPSCİ (PrPëPI. CḡPsP·PrC-P»
B«PμPsP±C-C†PSC- CḡPμP°PeC†C-C—B»).

PḲPμPNεC,CḡPsPiPμPSC-Cİ/P°PiCḡP°PSCřP»PsC†PëC,PsP·, C,CḡPsPjP±PsC†PëC,PsPiPμPSC-Cİ
C,P° P°PSPμPjC-Cİ

PŸPμCḡPμPr PİP°C†C-C”PSC,C-PI, CİPeC- PİCḡPëPNεPjP°CḡC,CH C-PSPiC-P±C-C,PsCḡPë
PḡPμPα, P±CřP»Ps P·P°CḡPμC”CİC,CḡPsPIP°PSPs PIPëPiP°PrPePë
PSPμPNεC,CḡPsPiPμPSC-C—/P°PiCḡP°PSCřP»PsC†PëC,PsP·Cř,
C,CḡPsPjP±PsC†PëC,PsPiPμPSC-C— C,P° P°PSPμPjC-C—. Pj PİP°C†C-C”PSC,C-PI P·
PSPsCḡPjP°P»CHPSPsCḡ C„CřPSPeC†C-C”Cḡ PSPëCḡPsPe C,P° PİCḡPë
PIC-PrCİCřC,PSPsCİC,C- C-PSC€PëC... C„P°PeC,PsCḡC-PI CḡPëP·PëPeCř
PSPμPNεC,CḡPsPiPμPSC-Cİ PIPëPSPëPeP°C” CḡC-PrPePs. PμPμCḡPëPSPPrPsPiCḡPëP» CİP»C-Pr
PİCḡPëP·PSP°C†P°C,Pë PrCřP¶Pμ PsP±PμCḡPμP¶PSPs PİP°C†C-C”PSC,P°Pj P·B
PePsP»P°PiPμPSPsP·P°PjPë, PİC-Pr C†P°Cİ C,PμCḡP°PiC-C—
C-PjCřPSPsCİCřPiCḡPμCİPsCḡP°PjPë, P°P»PsPiCřCḡPëPSPsP»PsPj P°P±Ps
PİCḡPsPeP°C—PSP°PjC-PrPsPj, P°P±Ps PİCḡPë PiPsC”PrPSP°PSPSC- C†PëC...
PsP±C,CİP¶P»PëPIPëC... C„P°PeC,PsCḡC-PI, PsCİPsP±P»PëPIPs CİPeC%Ps C”
PiPsCḡCřC€PμPSPSCİ C„CřPSPeC†C-C— PSPëCḡPsPe. Pj PrPμPePsPiPs P· C,P°PePëC...
PİP°C†C-C”PSC,C-PI PIPëP·PSP°C†P°PICİCİ CḡPsP·PIPëC,PsPe CİPμCḡPNεPsP·PSPëC...
C-PSC„PμPeC†C-PNεPSPëC... P·P°C...PIPsCḡCḡPIP°PSCḡ, CİPeC- PI PrPμPeC-P»CHPePsC...
PIPëPiP°PrPeP°C... PSPμ PIC-PrPiPsPIC-PrP°P»Pë PSP° C-PSC,PμPSCİPëPIPSCř
P°PSC,PëP±C-PsC,PëPePsC,PμCḡP°PiC-Cḡ. Pj CḡP°P·C- P·P°CİC,PsCİCřPIP°PSPSCİ
PiPμCḡPëPSPPrPsPiCḡPëP»Cř C,P°PePëPj PİP°C†C-C”PSC,P°Pj CḡPμPePsPjPμPSPPrCřC”C,CHCİCİ
PiPμCḡC-PsPrPëC†PSPs PePsPSC,CḡPsP»CḡPIP°C,Pë PeC-P»CHPeC-CİC,CH
P»PμPNεPePsC†PëC,C-PI Cř PeCḡPsPIC-. PŸP°PePsP¶ PİP°C†C-C”PSC,Pë PjP°CḡC,CH P·PSP°C,Pë,
C%Ps PSPμPsP±C...C-PrPSPs CİPiPsPIC-C%P°C,Pë PİCḡPs P±CřPrCH-CİPePëPNε PİCḡPsCİPI
C-PSC„PμPeC†C-PNεPSPsPiPs P·P°C...PIPsCḡCḡPIP°PSPSCİ (P±C-P»CH Cř PiPsCḡP»C-,
P»PëC...PsPjP°PSPeCř).

P P°CİPsPIC- PsCİPsP±P»PëPIPsCİC,C-. P†PSPiC-P±C-C,PsCḡPë PḡPμPα C†P°CİC,C-C€Pμ
CİPİCḡPëC†PëPSCİCḡC,CH PIPëPSPëPePSPμPSPSCİ P°PSPiC-PsPSPμPICḡPsC,PëC†PSPsPiPs
PSP°P±CḡCİPeCř Cř PİP°C†C-C”PSC,C-PI PSPμPiCḡPsC—PrPSPsC— CḡP°CİPë, PSC-P¶ Cř
PİP°C†C-C”PSC,C-PI PSPμ PSPμPiCḡPsC—PrPSPsC— CḡP°CİPë. PμPμCḡPëPSPPrPsPiCḡPëP»,
CİPe C- C-PSC€C- C-PSPiC-P±C-C,PsCḡPë PḡPμPα, PjPμPSC€ PμC„PμPeC,PëPIPSPs
P·PSPëP¶CřC” P°CḡC,PμCḡC-P°P»CHPSPëPNε C,PëCİPe Cř PİP°C†C-C”PSC,C-PI
PSPμPiCḡPsC—PrPSPsC— CḡP°CİPë, PSC-P¶ Cř PsCİC-P± C-PSC€PëC... CḡP°Cİ. P©Ps,
PjPsP¶P»PëPIPs, PiPsCİCİPSCḡC”C,CHCİCİ PSPëP·CHPePëPj CḡC-PIPSPμPj CḡPμPSC-PSCř

$$\text{PiC-PiPpCTjC, PpPSP} \cdot \text{C-C}''\text{CT Cr' C}^+\text{C-C}''\text{C- PiPsPiCrP} \gg \text{C}^+\text{C}^+\text{C-C-}.$$

$\text{PSP}_{\mu}\text{P}\ddot{\text{C}}\text{H}\text{PsPrCrPeC}, \text{P}\ddot{\text{E}}\text{IPSP}\ddot{\text{E}}\text{Pj}, \text{C}\dot{\text{I}}\text{C}, \text{C}-\text{PN}_{\text{e}}\text{PeP}\ddot{\text{E}}\text{Pj} \text{ C}, \text{P}^{\circ} \text{P}\ddot{\text{C}}\text{H}\text{P}\ddot{\text{E}}\text{P}\ddot{\text{I}}\text{P}\ddot{\text{E}}\text{PSC}\dot{\text{C}}\text{C}''\text{C}, \text{CH}\text{C}\dot{\text{I}}\text{C}\dot{\text{C}}\dot{\text{I}}\text{P}\ddot{\text{I}}\text{C}-\text{C}\dot{\text{I}}\text{P}\gg\text{C}\dot{\text{I}}\text{PIC}-\text{PrPjC}-\text{PSP}\ddot{\text{E}} \text{P}\ddot{\text{C}}\text{H}\text{P}_{\mu}\text{P}\ddot{\text{I}}\text{P}^{\circ}\text{C}\dot{\text{H}}\text{P}^{\circ}\text{C}, \text{Cr}. \text{P}_{\text{L}}\text{P}^{\circ}\text{C}\text{E}\text{P}_{\mu}\text{P}\gg\text{CH},$
 $\text{C}\dot{\text{I}}\text{P}\ddot{\text{C}}\text{H}\text{P}\ddot{\text{E}}\text{C}\ddagger\text{P}\ddot{\text{E}}\text{PSP}_{\mu}\text{PSP}\ddot{\text{E}}\text{PN}_{\text{e}} \text{P}\ddot{\text{C}}\text{H}\text{P}\ddot{\text{E}}\text{PN}_{\text{e}}\text{PsPjPsPj} \text{ C}-\text{PSPiC}-\text{P}\pm\text{C}-\text{C}, \text{PsC}\dot{\text{H}}\text{C}-\text{PI} \text{P}_{\text{h}}\text{P}_{\mu}\text{P}_{\alpha},$
 $\text{P}\ddot{\text{I}}\text{PsC}, \text{C}\dot{\text{H}}\text{C}-\text{P}\pm\text{PSPs} \text{PIC}\dot{\text{H}}\text{P}^{\circ}\text{C}...\text{PsPIC}\dot{\text{I}}\text{PIP}^{\circ}\text{C}, \text{P}\ddot{\text{E}} \text{P}\ddot{\text{I}}\text{C}-\text{Pr} \text{C}\ddagger\text{P}^{\circ}\text{C}\dot{\text{I}} \text{P}\ddot{\text{C}}\text{H}\text{PsPIP}_{\mu}\text{PrP}_{\mu}\text{PSPSC}\dot{\text{C}}\dot{\text{I}}$
 $\text{PrP}\ddot{\text{E}}\text{C}, \text{P}_{\mu}\text{C}\dot{\text{H}}\text{P}_{\mu}\text{PSC}\dot{\text{I}}\text{C}-\text{PN}_{\text{e}}\text{PSPsPiPs} \text{PrC}-\text{P}^{\circ}\text{PiPSPsP}\cdot\text{C}\dot{\text{I}} \text{PeP}^{\circ}\text{C}\text{E}\text{P}\gg\text{CH}.$

$\text{P}\mu\text{C}\eta\text{P}\ddot{\text{e}} \text{ C} \dots \text{C}-\text{C}\eta\text{C}\acute{\text{r}}\text{C}\eta\text{P}\text{ic}-\text{C}\ddagger\text{PSPsPjC}\acute{\text{r}} \text{ PIC}, \text{C}\eta\text{C}\acute{\text{r}}\text{C}\ddagger\text{P}^{\circ}\text{PSPSC}-\text{P}^{\circ}\text{P}\pm\text{Ps} \text{ P}\ddot{\text{ic}}-\text{Pr} \text{ C}\ddagger\text{P}^{\circ}\text{C}\acute{\text{r}}$
 $\text{P}\ddot{\text{ic}}\text{C}\eta\text{PsP}\text{IP}\mu\text{PrP}\mu\text{PSPSC}\text{I}\text{I} \text{ P}^{\circ}\text{PSP}\mu\text{C}\acute{\text{r}}\text{C}, \text{P}\mu\text{P}\cdot\text{C}-\text{C}-\text{P}\ddot{\text{ic}}\text{C}\eta\text{P}\mu\text{P}\ddot{\text{ip}}^{\circ}\text{C}\eta\text{P}^{\circ}\text{C}, \text{P}^{\circ}\text{PjP}\ddot{\text{e}}, \text{C}\%_{\text{oo}}\text{Ps}$
 $\text{PIP}\ddot{\text{e}}\text{PeP}\gg\text{P}\ddot{\text{e}}\text{PeP}^{\circ}\text{C}\eta\text{C}, \text{CH} \text{ PiC}-\text{P}\ddot{\text{ip}}\text{Sc}, \text{P}\mu\text{PSP}\cdot\text{C}-\text{C}\eta, \text{P}\ddot{\text{ip}}\mu\text{C}\eta\text{P}\ddot{\text{e}}\text{PSP}\text{rPsP}\ddot{\text{ic}}\text{C}\eta\text{P}\ddot{\text{e}}\text{P}\gg\text{PjPsP}\text{I}\text{I}\text{P}\mu$
 $\text{P}\pm\text{P}\gg\text{PsPeC}\acute{\text{r}}\text{PIP}^{\circ}\text{C}, \text{P}\ddot{\text{e}} \text{ PIC}, \text{PsC}\eta\text{P}\ddot{\text{e}}\text{PSPSP}\mu \text{ C}\acute{\text{r}}\text{C}, \text{PIP}\text{ScC}\eta\text{P}\mu\text{PSPSC}\text{I}\text{I} \text{ P}^{\circ}\text{PSPiC}-\text{PsC}, \text{P}\mu\text{PSP}\cdot\text{P}\ddot{\text{e}}\text{PSC}\acute{\text{r}} \text{ P}\ddagger\text{P}\ddagger$
 $\text{C}\acute{\text{r}} \text{ PIC}-\text{PrP}\ddot{\text{ip}}\text{ScPIC}-\text{PrCH} \text{ PSP}^{\circ} \text{ PePsPjP}\ddot{\text{ip}}\mu\text{PSC}\acute{\text{r}}\text{P}^{\circ}\text{C}, \text{PsC}\eta\text{PSP}\mu \text{ PIP}\ddot{\text{e}}\text{PIC}-\text{P}\gg\text{CH}\text{PSP}\mu\text{PSPSC}\text{I}\text{I}$
 $\text{C}\eta\text{P}\mu\text{PSC}-\text{PSC}\acute{\text{r}}. \text{P}\mu\text{C}\eta\text{P}\mu\text{P}\ddot{\text{ip}}^{\circ}\text{C}\eta\text{P}^{\circ}\text{C}, \text{C}\acute{\text{r}}\text{P}\gg\text{C}-\text{Pr} \text{ PIC}-\text{PrPjC}-\text{PSP}\ddot{\text{e}}\text{C}, \text{P}\ddot{\text{e}} \text{ P}\cdot\text{P}^{\circ} \text{ PsPrP}\ddot{\text{e}}\text{PS} \text{ PrP}\mu\text{PSC}\eta$
 $\text{PrPs} \text{ C} \dots \text{C}-\text{C}\eta\text{C}\acute{\text{r}}\text{C}\eta\text{P}\text{ic}-\text{C}\ddagger\text{PSPsPiPs} \text{ PIC}, \text{C}\eta\text{C}\acute{\text{r}}\text{C}\ddagger\text{P}^{\circ}\text{PSPSC}\text{I}\text{I}. \text{P}\ddot{\text{ip}}\text{eC}\%_{\text{oo}}\text{Ps} \text{ C}\eta\text{PsP}\cdot\text{PIP}\ddot{\text{e}}\text{P}\gg\text{P}^{\circ}\text{C}\acute{\text{r}}\text{C}\text{I}\text{I}$
 $\text{P}^{\circ}\text{C}\eta\text{C}, \text{P}\mu\text{C}\eta\text{C}-\text{P}^{\circ}\text{P}\gg\text{CH}\text{PSP}^{\circ} \text{ PiC}-\text{P}\ddot{\text{ip}}\text{Sc}, \text{P}\mu\text{PSP}\cdot\text{C}-\text{C}\text{I}\text{I} \text{ C}-\text{PIPIP}^{\circ}\text{P}\text{I}\text{P}^{\circ}\text{C}''\text{C}, \text{CH}\text{C}\acute{\text{r}}\text{C}\text{I}\text{I} \text{ C}\%_{\text{oo}}\text{Ps} \text{ PIPsPSP}^{\circ}$
 $\text{C}\acute{\text{r}}\text{P}\ddot{\text{ic}}\text{C}\eta\text{P}\ddot{\text{e}}\text{C}\ddagger\text{P}\ddot{\text{e}}\text{PSP}\mu\text{PSP}^{\circ} \text{ C}\acute{\text{r}}\text{P}^{\circ}\text{PjP}\mu \text{ C}\ddagger\text{P}\ddot{\text{e}}\text{Pj} \text{ PjP}\mu\text{C} \dots \text{P}^{\circ}\text{PSC}-\text{P}\cdot\text{PjPsPj}, \text{C}\acute{\text{r}}\text{C}, \text{P}^{\circ}\text{PS} \text{ C} \dots \text{PIP}\text{ScC}\eta\text{PsPiPs}$
 $\text{PjPsP}\text{I}\text{I}\text{PSP}^{\circ} \text{ PSPScC}\eta\text{PjP}^{\circ}\text{P}\gg\text{C}-\text{P}\cdot\text{C}\acute{\text{r}}\text{PIP}^{\circ}\text{C}, \text{P}\ddot{\text{e}} \text{ P}\cdot\text{P}\pm\text{C}-\text{P}\gg\text{CH}\text{C}\epsilon\text{P}\mu\text{PSPSC}\text{I}\text{I}\text{Pj} \text{ PsP}\pm\text{b}\eta^{\text{TM}} \text{ C}''\text{PjC}\acute{\text{r}}$
 $\text{C}\ddagger\text{P}\ddot{\text{e}}\text{C}\eta\text{PeC}\acute{\text{r}}\text{P}\gg\text{C}\eta\text{C}\eta\text{C}\ddagger\text{PsC}-\text{PeC}\eta\text{PsPIC}-.$

“C-ΠiΠuCηPeP°P»C-C”PjC-CΠ. ΠJ PrPμCΠPePēC... ΠiP°C†C-C”PSC,C-ΠI, CΠPeC-
P·P°CΓC,PsCΓPsPICrPIP°P»Pē C-PSPiC-P±C-C,PsCηPē PhPμPα, Cr C,PsPjCr C‡PēCΓP»C-
ΠiΠuCηPēPSPPrPsPiCηPēP», PIC-PrP·PSP°C‡P°P»PsCΓCΠ P·P±C-P»CHC€PμPSPSCΠ CηC-PIPSCΠ
PeP°P»C-Cη Cr CΓPēCηPsPIP°C,C†C- PeCηPsPIC-. P†PSPiC-P±C-C,PsCηPē PhPμPα
PjPsP¶CrC,CH PIPēPeP»PēPeP°C,Pē PiC-ΠiΠuCηPeP°P»C-C”PjC-Cη, PsCΓPeC-P»CHPePē
PiCηPēPiPSC-C‡CrCηC,CH PIPēPIC-P»CHPSPμPSPSCΠ P°P»CHPrPsCΓC,PμCηPsPSCr. ΠJ
ΠiP°C†C-C”PSC,C-ΠI P· PSPsCηPjP°P»CHPSPsCη C,,CrPSPeC†C-C”Cη PSPēCηPsPe C†PμP№
PμC,,PμPeC, P·P°P·PIPēC‡P°P№ PSPμP·PSP°C‡PSPēP№. P”Ps C,,P°PeC,PsCηC-ΠI CηPēP·PēPeCr
PIPēPSPēPePSPμPSPSCΠ PiC-ΠiΠuCηPeP°P»C-C”PjC-C— PSP°P»PμP¶P°C,CH PSPēCηPePsPIP°
PSPμPrPsCΓC,P°C,PSC-CΓC,CH, ΠiPsPiC-CηC€PμPSPSCΠ C,,CrPSPeC†C-C— PSPēCηPsPe, PIC-Pe
(PIC-Pr 70 CηPsPeC-ΠI), C†CrPeCηPsPIPēP№ PrC-P°P±PμC,, C-PSC,PμCηPeCrCηPμPSC,PSC-
CΓC,P°PSPē, C,P°PeC- CΠPe PrPμPiC-PrCηP°C,P°C†C-CΠ, PiPsCΓC,CηP° CΓPμCηC†PμPIP°
PrPμPePsPjΠiΠuPSCΓP°C†C-CΠ, PjPμC,P°P±PsP»C-C‡PSPēP№ P°C†PēPrPsP· C,P°
PsPrPSPsC‡P°CΓPSPμ P·P°CΓC,PsCΓCrPIP°PSPSCΠ PeP°P»C-P№P·P±PμCηC-ΠiP°CηC‡PēC...
PrC-CrCηPμC,PēPeC-ΠI (PSP°PiCηPēPeP»P°Pr CΓPiC-CηPsPSPsP»P°PeC,PsPS,
PμPiP»PμCηPμPSPsPS, C,CηPēP°PjC,PμCηPμPS P°P±Ps P°PjC-P»PsCηPēPr), C...P°CηC‡PsPIPēC...
PrPsP±P°PIPsPe, C%Ps PjC-CΓC,CΠC,CH PeP°P»C-P№, P°P±Ps P·P°PjC-PSPSPēPeC-ΠI CΓPsP»C-
P· PeP°P»C-C”Pj; P°P±Ps PiCηPēP№PsPj C-PSC€PēC... PiCηPμPiP°CηP°C,C-ΠI, C%Ps
CΓPiCηPēC‡PēPSCΠCηC,CH PiC-PrPIPēC%PμPSPSCΠ PePsPSC†PμPSC,CηP°C†C-C—
PeP°P»C-Cη Cr CΓPēCηPsPIP°C,C†C- PeCηPsPIC- (PSP°PiCηPēPeP»P°Pr PiPμPiP°CηPēPS, PePs-
C,CηPēPjPsPeCΓP°P·PsP», C,P°PePsP¶ PIC-PrPsPjPēP№ CΠPe
C,CηPēPjPμC,PsPiCηPēPj/CΓCrP»CHC,,P°PjPμC,PsPeCΓP°P·PsP»), C- PsCΓPsP±P»PēPIPs
P°PSC,P°PiPsPSC-CΓC,C-ΠI P°P»CHPrPsCΓC,PμCηPsPSCr P°P±Ps P±P»PsPeP°C,PsCηC-ΠI
CηPμC†PμPiC,PsCηC-ΠI P°PSPiC-PsC,PμPSP·PēPSCr. P—P°CΓC,PsCΓCrPIP°PSPSCΠ
C...P°CηC‡PsPIPēC... PrPsP±P°PIPsPe, C%Ps PjC-CΓC,CΠC,CH PeP°P»C-P№,
PeP°P»C-P№P·P±PμCηC-ΠiP°CηC‡PēC... PrC-CrCηPμC,PēPeC-ΠI P°P±Ps P·P°PjC-PSPSPēPeC-ΠI
CΓPsP»C- P· PeP°P»C-C”Pj, PsCΓPsP±P»PēPIPs Cr ΠiP°C†C-C”PSC,C-ΠI C-P·

PiPsC7CfC€PµPSPSCiPj C,,CfPSPeC†C-C— PSpëC7PsPe, PjPsP¶Pµ PiC7PëP·PiPµC†C,Pë PrPs
P·PSP°C†PSPsPiPs PiC-PrPiPëC%PµPSPSCi C7C-PIPSCi PeP°P»C-C7 C† C†PëC7PsPiP°C,C†C-
PeC7PsPIC-. P°C-PiPµC7PeP°P»C-C”PjC-Ci PjPsP¶Pµ C†PiC7PëC†PëPSPëC,Pë
PiPëPSPëPePSPµPSPSCi C†PµC7PNëPs·PSPëC..., C-PSPsPrC- P»PµC,P°P»CHPSPëC...
P°C7PëC,PjC-PNë. PµP°C†C-C”PSC,P°Pj, CiPeC- PiC7PëPNëPjP°C7C,CH C-PSPiC-P±C-C,PsC7Pë
PhPµPα, C†P»C-Pr P· PsP±PµC7PµP¶PSC-C†C,C7 PiC7PëP·PSP°C†P°C,Pë
PeP°P»C-PNëP·P±PµC7C-PiP°C7C†C- PrC-C†C7PµC,PëPePë C,P° P±P»PsPeP°C,PsC7Pë
C7PµC†PµPiC,PsC7C-PI P°PSPiC-PsC,PµPSP·PëPSC†, P° C,P°PePsP¶ PiC7PsPiPsPrPëC,Pë
C7PµC,PµP»CHPSPëPNë PjPsPSC-C,PsC7PëPSPi C7C-PIPSCi PeP°P»C-C7 C†
C†PëC7PsPiP°C,C†C- PeC7PsPIC- C,P° C,,CfPSPeC†C-C— PSpëC7PsPe. PiPeC%Ps
PsPrPSPsC†P°C†PSPµ P·P°C†C,PsC†C†PiP°PSPSCi PiPµC7PëPSPPrPsPiC7PëP»C† C,P°
P±C†PrCH-CiPePsC— P· PiPëC%PµP·P°P·PSP°C†PµPSPëC... C7PµC†PsPiPëPS
PiPiP°P¶P°C,C7C†Ci PrPsC7PµC†PSPëPj, C—C... C†P»C-Pr P·P°C†C,PsC†PsPIC†PiP°C,Pë P·
PsP±PµC7PµP¶PSC-C†C,C7 C,P° P· C†P°C†C,PëPj PjPsPSC-C,PsC7PëPSPiPsPj C7C-PIPSCi
PeP°P»C-C7 C† C†PëC7PsPiP°C,C†C- PeC7PsPIC- (PrPëPi. C7PsP·PrC-P» B«P’P·P°C”PjPsPrC-Ci
P· C-PSC€PëPjPë P»C-PeP°C7C†CHPePëPjPë P·P°C†PsP±P°PjPë C,P° C-PSC€C- PiPëPrPë
PiP·P°C”PjPsPrC-PNëB»).

PµP°C†C-C”PSC,P°Pj, C...PiPsC7PëPj PSP° C†C†PeC7PsPiPëPNë PrC-P°P±PµC,, CiPeC-
PiC7PëPNëPjP°C7C,CH PiPµC7PsC7P°P»CHPSC- C†C†PeC7PsP·PSPëP¶C†PiP°P»CHPSC-
P·P°C†PsP±Pë P°P±Ps PsC,C7PëPjC†C7C,CH C-PSC†C†P»C-PS, PSPµPsP±C...C-PrPSPs
C7PµC,PµP»CHPSPs PePsPSC,C7PsP»C7PiP°C,Pë C7C-PIPµPSC7 PiP»C-PePµPjC-C—
PiC7PsC,CiPiPsPj PiPµC7C€PsPiPs PjC-C†CiC†Ci C,PµC7P°PiC-C—
C-PSPiC-P±C-C,PsC7P°PjPë PhPµPα (PrPëPi. C7PsP·PrC-P» B«P’P·P°C”PjPsPrC-Ci P·
C-PSC€PëPjPë P»C-PeP°C7C†CHPePëPjPë P·P°C†PsP±P°PjPë C,P° C-PSC€C- PiPëPrPë
PiP·P°C”PjPsPrC-PNëB»).

P»C-C,C-PNë. PhPrPSPsC†P°C†PSPëPNë PiC7PëPNëPsPj P»C-C,C-C7 C,P°
PiPµC7PëPSPPrPsPiC7PëP»C† P·P°P·PiPëC†P°PNë PSPµ C7PµPePsPjPµPSPPrPsPiP°PSPëPNë
(PrPëPi. C7PsP·PrC-P» B«P’P·P°C”PjPsPrC-Ci P· C-PSC€PëPjPë
P»C-PeP°C7C†CHPePëPjPë P·P°C†PsP±P°PjPë C,P° C-PSC€C- PiPëPrPë
PiP·P°C”PjPsPrC-PNëB»).

PhPrPSPsC†P°C†PSPµ P·P°C†C,PsC†C†PiP°PSPSCi PiPµC7PëPSPPrPsPiC7PëP»C† P·
PeP°P»C-PNëP·P±PµC7C-PiP°C7C†PëPjPë PrC-C†C7PµC,PëPeP°PjPë, C...P°C7C†PsPiPëPjPë
PrPsP±P°PiPeP°PjPë, C%Ps PjC-C†C,CiC,CH PeP°P»C-PNë P°P±Ps P· P·P°PjC-PSPSPëPeP°PjPë
C†PsP»C- P· PeP°P»C-C”Pj PSPµ C7PµPePsPjPµPSPPrC†C”C,C7C†Ci (PrPëPi. C7PsP·PrC-P»
B«P’P·P°C”PjPsPrC-Ci P· C-PSC€PëPjPë P»C-PeP°C7C†CHPePëPjPë P·P°C†PsP±P°PjPë C,P°
C-PSC€C- PiPëPrPë PiP·P°C”PjPsPrC-PNëB»).

PµPsPrPIC-PNëPSP° P±P»PsPeP°PrP° C7PµPSC-PS-P°PSPiC-PsC,PµPSP·PëPS-
P°P»CHPrPsC†C,PµC7PsPSPsPiPsC— C†PëC†C,PµPjPë (P PhPhPŸ). P†C†PSC†C7C,CH
PrP°PSC-, C%Ps PsPrPSPsC†P°C†PSPëPNë PiC7PëPNëPsPj C-PSPiC-P±C-C,PsC7C-PI
PhPµPα, P±P»PsPeP°C,PsC7C-PI C7PµC†PµPiC,PsC7C-PI P°PSPiC-PsC,PµPSP·PëPSC†
P†P† P°P±Ps P°P»C-C†PeC-C7PµPSC† PiC-PrPiPëC%C†C” C7PëP·PëPe
PiPëPSPëPePSPµPSPSCi PiC-PiPsC,PµPSP·C-C—, PiC-PiPµC7PeP°P»C-C”PjC-C— C,P°
P·PSPëP¶PµPSPSCi C,,CfPSPeC†C-C— PSpëC7PsPe (PiPeP»C7C†P°C7C†Pë
PiPsC†C,C7C† PSPëC7PePsPIC† PSPµPrPsC†C,P°C,PSC-C†C,CH). PŸPsPjC†
PiPsPrPIC-PNëPSP° P±P»PsPeP°PrP° P PhPhPŸ C€P»CiC...PsPj PsPrPSPsC†P°C†PSPsPiPs
PiC7PëPNëPsPjC† C-PSPiC-P±C-C,PsC7C-PI PhPµPα, P±P»PsPeP°C,PsC7C-PI

C₇H₁₂PM₂C⁺PM₂PiC, PsC₇H₁₂C-PI P°PSPiC-PsC, P₁₂PMSP·PëPSCr P⁺P⁺ P°P±Ps
 P°P»C-Cl⁻PeC-C₇H₁₂PM₂PSCr PSP₁₂ C₇H₁₂PM₂PePsPjP₁₂PMSP⁺PsPIP°PSP° (PrPëPI. C₇H₁₂PsP·PrC-P»
 B«P'P·P°C" PjPsPrC-Cl₁₂ P· C-PSC€PëPjPë P»C-PeP°C₇H₁₂Cl⁻CH₂PePëPjPë P·P°Cl⁻PsP±P°PjPë
 C, P° C-PSC€C- PIPëPrPë PIP·P°C" PjPsPrC-PNëB»). PİPeC%Ps P»C-PeC⁺PIP°PSPSC₁₂ P·
 PsPrPSPsC±P°Cl⁻PSPëPj P·P°Cl⁻C, PsCl⁻CrPIP°PSPSC₁₂Pj PrPIPsC...
 P±P»PsPeP°C, PsC₇H₁₂C-PI P P₇H₇P₇ PİPIP°P¶P°C"C, CH₂Cl⁻Cl₁₂ P°P±Cl⁻PsP»CH₂C, PSPs
 PSP₁₂PsP±C...C-PrPSPëPj, PIPsPSPs PjPsP¶P₁₂ PIC-PrP±C⁺PIP°C, PëCl⁻Cl₁₂ C, C-P»CH₂PePë
 PiC-Pr PSP°PiP»Cl₁₂PrPsPj Cl⁻PiP₁₂C⁺C-P°P»C-Cl⁻C, P° C, P° P·P° Cl⁻PjPsPIPë
 C±P°Cl⁻C, PsPiPs C₇H₁₂PM₂C, P₁₂P»CH₂PSPsPiPs PjPsPSC-C, PsC₇H₁₂PëPSPiC⁺ C,, Cl⁻PSPeC⁺C-C—
 PSPëC₇H₁₂PsPe, C₇H₁₂C-PIPSC₁₂ P₁₂P»P₁₂PeC, C₇H₁₂PsP»C-C, C-PI C, P°
 P°C₇H₁₂C, P₁₂C₇H₁₂C-P°P»CH₂PSPsPiPs C, PëCl⁻PeC⁺. P⁺PSPiC-P±C-C, PsC₇H₁₂Pë P₇H₇PM₂ C, P°
 P±P»PsPeP°C, PsC₇H₁₂Pë C₇H₁₂PM₂C⁺PM₂PiC, PsC₇H₁₂C-PI P°PSPiC-PsC, P₁₂PMSP·PëPSCr P⁺P⁺ PSP₁₂
 Cl⁻P»C-Pr P·P°Cl⁻C, PsCl⁻PsPIC⁺PIP°C, Pë PsPrPSPsC±P°Cl⁻PSPs PiP°C⁺C-C" PSC, P°Pj P·
 PrC-P°P±P₁₂C, PëC±PSPsCH PSP₁₂C,, C₇H₁₂PsPiP°C, C-C"CH.

P₁₂PM₂C₇H₁₂PIPëPSPSPëPNë P°P»CH₂PrPsCl⁻C, P₁₂C₇H₁₂PsPSC-P·Pj. P₁₂P°C⁺C-C" PSC, Pë P·
PiP₁₂C₇H₁₂PIPëPSPSPëPj PiC-PiP₁₂C₇H₁₂P°P»CH₂PrPsCl⁻C, P₁₂C₇H₁₂PsPSC-P·PjPsPj, Cl₁₂Pe PiC₇H₁₂P°PIPëP»Ps,
PSP₁₂ PIC-PrPiPsPIC-PrP°CH₂C, CH₂ PSP° P»C-PeC⁺PIP°PSPSC₁₂
P°PSC, PëPiC-PiP₁₂C₇H₁₂C, P₁₂PMSP·PëPIPSPëPjPë PiC₇H₁₂PM₂PiP°C₇H₁₂P°C, P°PjPë, Cl₁₂PeC- PrC-CH₂C, CH₂
C€P»Cl₁₂C...PsPj PiC₇H₁₂PëPiPSC-C±P₁₂PMSPSC₁₂ C₇H₁₂PM₂PSC-PS-P°PSPiC-PsC, P₁₂PMSP·PëPSPsPiPsC—
Cl⁻PëCl⁻C, P₁₂PjPë. P₇PsPjC⁺ C, P°PePëPj PiP°C⁺C-C" PSC, P°Pj P·P°Cl⁻C, PsCl⁻PsPIC⁺PIP°C, Pë
PrP°PSPëPNë PiC₇H₁₂PM₂PiP°C₇H₁₂P°C, PSP₁₂ C₇H₁₂PM₂PePsPjP₁₂PMSP⁺CrC"C, CH₂Cl⁻Cl₁₂.

P"PsPiPsPjC-P¶PSC- C₇H₁₂PM₂C±PsPIPëPSPë.

P"Ps Cl⁻PeP»P°PrC⁺ PiC₇H₁₂PM₂PiP°C₇H₁₂P°C, C⁺ PIC...PsPrPëC, CH₂ P»P°PeC, PsP·P°, C, PsPjC⁺
 PiP°C⁺C-C" PSC, P°Pj C-P· C₇H₁₂C-PrPeC-Cl⁻PSPsCH Cl⁻PiP°PrPePsPiPsCH
 PSP₁₂PiP₁₂C₇H₁₂PM₂PSPsCl⁻PëPjC-Cl⁻C, CH₂ PiP°P»P°PeC, PsP·Pë, Cl⁻PëPSP⁺CrC₇H₁₂PsPjPsPj
 PjP°P»CH₂P°P±Cl⁻PsC₇H₁₂P±C⁺C-C— PiP»CH₂PePsP·Pë-PiP°P»P°PeC, PsP·Pë,
 PSP₁₂PrPsCl⁻C, P°C, PSC-Cl⁻C, CH₂ P»P°PeC, P°P·Pë P>P°PiP° PSP₁₂
 C₇H₁₂PM₂PePsPjP₁₂PMSP⁺CrC"C, CH₂Cl⁻Cl₁₂ PiC₇H₁₂PëPNëPjP°C, Pë P»C-PeP°C₇H₁₂Cl⁻CH₂PePëPNë P·P°Cl⁻C-P±
 P₁₂PsC₇H₁₂PrP₁₂C₇H₁₂C-Cl₁₂ P₁₂PsPSPs.

P—P°Cl⁻C, PsCl⁻C±PIP°PSPSC₁₂ C± PiP₁₂C₇H₁₂C-PsPr PIP°PiC-C, PSPsCl⁻C, C- P°P±Ps
PiPsPrC±PIP°PSPSC₁₂ PiC₇H₁₂C±PrPrCH.

P'P°PiC-C, PSC-Cl⁻C, CH₂

P>C-PeP°C₇H₁₂Cl⁻CH₂PePëPNë P·P°Cl⁻C-P± PiC₇H₁₂PsC, PëPiPsPeP°P·P°PSPs
 P·P°Cl⁻C, PsCl⁻PsPIC⁺PIP°C, Pë PIP°PiC-C, PSPëPj P°P±Ps P¶C-PSPeP°Pj, Cl₁₂PeC-
 PiP»P°PSC⁺CH₂C, CH₂ P·P°PIP°PiC-C, PSC-C, Pë. PİPeC%Ps PiC-Pr C±P°Cl⁻ P»C-PeC⁺PIP°PSPSC₁₂
 C⁺PëPj P»C-PeP°C₇H₁₂Cl⁻CH₂PePëPj P·P°Cl⁻PsP±PsPj PiC-PrC, PIP₁₂C₇H₁₂PrP¶C⁺C, CH₂Cl⁻Cl₁₂
 PIP°PiC-C, PSC-Cl⁻C, CH₂ PNëPsPiPs P·P°Cl⁻C, PsCl⁻CrPIP°PSPSC₁₂ PSP₁₂PsP±C...C-PrPSPs
 PSP₁₂PiP°PM₂PSPs PiC₇H₁₂PëPiPëPSPëC, Pë C- P·P°PjC-PSPëC, Pë C-PSC€PëPj
 P»C-PeP°C₇H₁₂Cl⁻CH₂PePëPj P·P°Cl⁻PsP±PsPj, PrPsP·PiPsP»P₁₂PMSPëPj PrPs
 P·P°Cl⁻C, PsCl⁻CrPIP°PSPSC₁₂ PIP°PiC-C, PSPëPj.

Pj PIPëPiP°PrPeC⁺, Cl₁₂PeC%Ps P¶C-PSPeP° PiC₇H₁₂PëPNëPjP°P»P° C-PSPiC-P±C-C, PsC₇H₁₂ P₇H₇PM₂
 PiC-Pr C±P°Cl⁻ P⁺P⁺ C, C₇H₁₂PëPjP₁₂Cl⁻C, C₇H₁₂Cl⁻ PIP°PiC-C, PSPsCl⁻C, C-, PrPëC, PëPSC-

$$\text{P}^{\text{II}}\text{P}^{\circ}\text{C}^{\dagger}\text{C}-\text{C}^{\circ}\text{PSC}, \text{P}^{\circ}\text{P}^{\text{I}}\text{P}^{\circ}\text{C}^{\dagger}\text{C}, \text{P}^{\text{II}}\text{C}^{\dagger}\text{C}-\text{P}^{\circ}\text{P}^{\circ}\text{C}^{\dagger}\text{C}\text{HSPSPsC}^{\dagger}\text{C} \text{ PiC}-\text{Pi}^{\text{I}}\text{P}^{\text{II}}\text{C}^{\dagger}\text{C}, \text{P}^{\text{II}}\text{PSP}^{\circ}\text{C}-\text{C}^{\circ}\text{C}^{\dagger}\text{C},$$

CΠPePēPj PSPμ PjPsP¶PSP° PīCḡPēPīPēPSPēC,Pē P·P°CΓC,PsCΓCΓPIP°PSPSCΠ
 PrC-CrCḡPμC,PēPeC-PI, P»C-PeCΓPIP°PSPSCΠ CΓP»C-Pr CḡPsP·PīPsC‡PēPSP°C,Pē P·
 PrPsP·Pē 2 PjPi (P·P°CΓC,PsCΓPsPICrPIP°C,Pē C-PSCēPēPNē P»C-PeP°CḡCΓCHPePēPNē
 P·P°CΓC-P± Cr PIC-PrPīPsPIC-PrPSPsPjCr PrPsP·CΓPIP°PSPSC-). Pj C,P°PePēC...
 PīP°C‡C-C" PSC,C-PI CΓP»C-Pr PePsPSC,CḡPsP»CḡPIP°C,Pē C,,CΓPSPeC‡C-Cḡ
 PSPēCḡPsPe C,P° CḡC-PIPμPSCH PeP°P»C-Cḡ Cr CΓPēCḡPsPIP°C,C‡C- PeCḡPsPIC-.
 PμPsPrP°P»CHCēPμ PīC-PrPIPēC%PμPSPSCΠ PrPsP·Pē PīPμCḡPēPSPPrPsPīCḡPēP»Cr
 C,PμCḡC,-P±CrC,PēP»P°PjC-PSCr CΓP»C-Pr P·PrC-PNēCΓPSCḡPIP°C,Pē P·P°P»PμP¶PSPs
 PIC-Pr PīPsPeP°P·PSPēPeC-PI P°CḡC,PμCḡC-P°P»CHPSPsPiPs C,PēCΓPeCr. Pj CḡP°P·C-
 PSPμPsP±C...C-PrPSPsCΓC,C- C,PμCḡP°PīC-Cḡ PrC-CrCḡPμC,PēPePsPj PjPsP¶PSP°
 PIC-PrPSPsPIPēC,Pē.

PμP°C‡C-C" PSC,P°Pj P»C-C,PSCHPsPiPs PIC-PeCr P»C-PeCΓPIP°PSPSCΠ CΓP»C-Pr
 CḡPsP·PīPsC‡PēPSP°C,Pē P· PrPsP·Pē 2 PjPi (P·P°CΓC,PsCΓPsPICrPIP°C,Pē C-PSCēPēPNē
 P»C-PeP°CḡCΓCHPePēPNē P·P°CΓC-P± Cr PIC-PrPīPsPIC-PrPSPsPjCr PrPsP·CΓPIP°PSPSC-),
 CΠPeCΓ PjPsP¶PSP° PīC-PrPIPēC%PēC,Pē PrPs 4 PjPi C‡PμCḡPμP· 1 PjC-CΓCΠC‡CH
 P»C-PeCΓPIP°PSPSCΠ, P° PīPsC,C-Pj, Cr CḡP°P·C- PSPμPsP±C...C-PrPSPsCΓC,C-, PrPs 8 PjPi P·
 CrCḡP°C...CΓPIP°PSPSCΠPj C,,CΓPSPeC‡C-C— PSPēCḡPsPe (PrPēPI. C,P°P±P»PēC‡Cḡ, C%Ps
 PSP°PrP°C"C,CHCΓCΠ PSPēP¶C‡Pμ).

PŸPēPjPīC,PsPjP°C,PēC‡PSP° CΓPμCḡC‡PμPIP° PSPμPrPsCΓC,P°C,PSC-CΓC,CH.

PμP°C‡C-C" PSC,P°Pj C-P· CΓPμCḡC‡PμPIPsCḡ PSPμPrPsCΓC,P°C,PSC-CΓC,Cḡ, CΠPePēPj
 PīPμCḡPēPSPPrPsPīCḡPēP»Cr C,PμCḡC,-P±CrC,PēP»P°PjC-PS P·P°P·PIPēC‡P°PNē
 CΓP»C-Pr PīCḡPēP·PSP°C‡P°C,Pē PsPrPSPsC‡P°CΓPSPs P· PrC-CrCḡPμC,PēPePsPj, C%Ps
 PIPēPIPsPrPēC,CH PeP°P»C-PNē, C,P°/P°P±Ps PrPēPiPsPeCΓPēPSPsPj,
 C,P°/P°P±Ps B B B B B B B B B B B B B B B B β-P±P»PsPeP°C,PsCḡPsPj,
 P»C-PeCΓPIP°PSPSCΠ CḡPμPePsPjPμPSPPrPsPIP°PSPs CḡPsP·PīPsC‡PēPSP°C,Pē PīC-Pr
 CḡPμC,PμP»CHPSPēPj PjPμPrPēC‡PSPēPj PSP°PīP»CΠPrPsPj C,P° P·
 PīPsC‡P°C,PePsPIPsC— PrPsP·Pē 2 PjPi (P·P°CΓC,PsCΓPsPICrPIP°C,Pē C-PSCēPēPNē
 P»C-PeP°CḡCΓCHPePēPNē P·P°CΓC-P± Cr PIC-PrPīPsPIC-PrPSPsPjCr
 PrPsP·CΓPIP°PSPSC-), CΠPeCΓ CΓP»C-Pr PīCḡPēPNēPjP°C,Pē PICḡP°PSC‡C-. P§PμCḡPμP·
 2 C,PēP¶PSC- P·P° CrPjPsPIPē PrPsP±CḡPsC— PīPμCḡPμPSPsCΓPēPjPsCΓC,C- PrPsP·CΓ
 PīC-PrPIPēC%CrPIP°C,Pē PrPs 4 PjPi 1 CḡP°P· PSP° PrPsP±Cr. PκP°PrP°P»C- PrPsP·CΓ
 CΓP»C-Pr PīC-PrP±PēCḡP°C,Pē C-PSPPrPēPIC-PrCΓP°P»CHPSPs, P·P°P»PμP¶PSPs PIC-Pr
 PeP»C-PSC-C‡PSPsC— PIC-PrPīPsPIC-PrC- PīP°C‡C-C" PSC,P° PSP°
 P»C-PeCΓPIP°PSPSCΠ.

PμP°C‡C-C" PSC,P°Pj C-P· C,CΠP¶PePsCḡ CΓPμCḡC‡PμPIPsCḡ
 PSPμPrPsCΓC,P°C,PSC-CΓC,Cḡ C,P° C-PSCēPēPj PīP°C‡C-C" PSC,P°Pj P· PīCḡCΓPīPē
 PIPēCΓPsPePsPiPs CḡPēP·PēPeCr (PīP°C‡C-C" PSC,Pē P· PīPsCḡCΓCēPμPSPSCΠPjPē
 C,,CΓPSPeC‡C-C— PSPēCḡPsPe C,P° C,PμPSPPrPμPSC‡C-C" Cḡ PrPs PīPsCḡCΓCēPμPSCH
 CḡC-PIPSCΠ PμP»PμPeC,CḡPsP»C-C,C-PI, PīP°C‡C-C" PSC,Pē, CΠPeC-
 PsC,CḡPēPjCrCḡC,CH PsPrPSPsC‡P°CΓPSCr C,PμCḡP°PīC-Cḡ PrC-CrCḡPμC,PēPeP°PjPē
 C,P°/P°P±Ps PIP°P·PsPrPēP»P°C,P°C,PsCḡP°PjPē) P»C-PeCΓPIP°PSPSCΠ CΓP»C-Pr
 CḡPsP·PīPsC‡PēPSP°C,Pē PīC-Pr CḡPμC,PμP»CHPSPēPj PjPμPrPēC‡PSPēPj
 PSP°PīP»CΠPrPsPj (PrPēPI. CḡPsP·PrC-P» B«PhCΓPsP±P»PēPIPsCΓC,C-
 P·P°CΓC,PsCΓCΓPIP°PSPSCΠB»).

PJ PĪP°C†C-C" PSC,C-PI P· PIPëCĪPsPePëPj CĤPëP·PëPePsPj PIPëPSPëPePSPµPSPSCĪ
CĪPëPjPĪC,PsPjP°C,PëC†PSPsC— P°CĤC,PµCĤC-P°P»CHBPSPsC— PĪC-PĪPsC,PµPSP·C-C—,
P° CĪP°PjPµ PĪP°C†C-C" PSC,C-PI P· PrPµC,,C-C†PëC,PsPj PµP»PµPeC,CĤPsP»C-C,C-PI P·
PĪC-PĪPsPSP°C,CĤC-C" PjC-C" CĤ P°P±Ps P±PµP· PSPµC—, PĪP°C†C-C" PSC,C-PI C-P·
PĪC-PĪPsPIPSP»PµPjC-C" CĤ P°P±Ps C,PëC..., C...C,Ps PsC,CĤPëPjCĪPIP°PI
C-PSC,PµPSCĪPëPIPSCĪ C,PµCĤP°PĪC-CĤ PrC-CĪCĤPµC,PëPeP°PjPë, CĪP»C-Pr
PĪCĤPsPIPµCĪC,Pë PePsCĤPµPeC†C-CĤ PIPëC%PµP·P°P·PSP°C†PµPSPëC...
CĪC,P°PSC-PI, CĪPeC%Ps PjPsP¶P»PëPIPs, PrPs PĪCĤPëP·PSP°C†PµPSPSCĪ
PĪCĤPµPĪP°CĤP°C,CĪ. PĤCĤC,PµCĤC-P°P»CHBPSPëPN C,PëCĪPe, C,,CĪPSPeC†C-CĤ
PSPëCĤPsPe C,P° CĤC-PIPµPSCĤ PeP°P»C-CĤ CĪ CĪPëCĤPsPIP°C,C†C- PeCĤPsPIC-
PĪPsC,CĤC-P±PSPs CĤPµC,PµP»CHBPSPs PePsPSC,CĤPsP»CĤPIP°C,Pë CĪPe PrPs, C,P°Pe
C- PĪC-Pr C†P°CĪ P»C-PeCĪPIP°PSPSCĪ (PrPëPI. CĤPsP·PrC-P»
B«PhCĪPsP±P»PëPIPsCĪC,C- P·P°CĪC,PsCĪCĪPIP°PSPSCĪB»).

P—P°PĪPsP±C-PĪP°PSPSCĪ PIPëPSPëPePSPµPSPSCĤ PĪPsPIC,PsCĤPSPsPĪPs
C-PSCĪCĪP»CHC,CĪ CĪ PĪP°C†C-C" PSC,C-PI P·
C†PµCĤPµP±CĤPsPIP°CĪPeCĪP»CĪCĤPSPëPjPë P·P°C...PIPSCĤCĤPIP°PSPSCĪPjPë.

P PµPePsPjPµPSPPrPsPIP°PSP° PĪPsC†P°C,PePsPIP° PrPsP·P° CĪC,P°PSPsPIPëC,CH 2 PjPi
(P·P°CĪC,PsCĪPsPICĪPIP°C,Pë C-PSC€PëPN P»C-PeP°CĤCĪCHPePëPN P·P°CĪC-P± CĪ
PIC-PrPĪPsPIC-PrPSPsPjCĪ PrPsP·CĪPIP°PSPSC-) 1 CĤP°P· PSP° PrPsP±CĪ
PICĤP°PSC†C-. PµC-CĪP»CĪ 2 C,PëP¶PSC-PI P»C-PeCĪPIP°PSPSCĪ PrPsP·CĪ
P·P±C-P»CHC€CĪPIP°C,Pë PrPs 4 PjPi 1 CĤP°P· PSP° PrPsP±CĪ PICĤP°PSC†C-.

PĪPeC%Ps PĪC-CĪP»CĪ 2 C,PëP¶PSC-PI P»C-PeCĪPIP°PSPSCĪ PĪCĤPµPĪP°CĤP°C,PsPj
PµPsCĤPrPµCĤC-CĪ PµPsPSPs PĪP°C†C-C" PSC, PĪPsC,CĤPµP±CĪC"
PrPsPrP°C,PePsPIPSPĪPs PePsPSC,CĤPsP»CĤ P°CĤC,PµCĤC-P°P»CHBPSPsPĪPs
C,PëCĪPeCĪ, PjPsP¶PSP° PĪCĤPëP·PSP°C†PëC,Pë C-PSPrP°PĪP°PjC-Pr CĪ PrPsP·C- 1
C,P°P±P»PµC,PeP° PSP° PrPsP±CĪ. P»C-PeCĪPIP°PSPSCĪ PjPsP¶PSP°
CĤPsP·PĪPsC†PëPSP°C,Pë P±CĪPrCH-PePsP»Pë CĪ C,PµCĤPjC-PS PIC-Pr 2 C,PëP¶PSC-PI
PrPs PeC-P»CHPePsC... CĤPsPeC-PI PĪC-CĪP»CĪ PĪPµCĤPIPëPSPSPsPĪPs
C-PSCĪCĪP»CHC,CĪ.

P—P°PĪPsP±C-PĪP°PSPSCĪ CĪPµCĤC†PµPIPSCĪCĪCĪPrPëPSPSPëPj CĪCĪPeP»P°PrPSPµPSPSCĪPj
CĪ PĪP°C†C-C" PSC,C-PI P· PrPsPeCĪPjPµPSC,P°P»CHBPSPsCĤ CĪC,P°P±C-P»CHBPSPsCĤ
C-C€PµPjC-C†PSPsCĤ C...PIPSCĤPsP±PsCĤ CĪPµCĤC†CĪ.

P"PsPIPiPsC,CĤPëPIP°P»Pµ P»C-PeCĪPIP°PSPSCĪ PĪPµCĤPëPSPPrPsPĪCĤPëP»PsPj,
C,P°P±P»PµC,PePë PĪPs 8 PjPi (1 C,P°P±P»PµC,PeP° PSP° PrPsP±CĪ) P·PSPëP¶CĪC" CĤPëP·PëPe
C-PSC,,P°CĤPeC,CĪ PjC-PsPeP°CĤPrP° C,P° CĪPµCĤC†PµPIPSC— PSPµPrPsCĪC,P°C,PSPsCĪC,C-
(P·P° CĤPµP·CĪP»CHC,P°C,P°PjPë 4-CĤC-C†PSPsPĪPs PrPsCĪP»C-PrP¶PµPSPSCĪ EUROPA).

P»C-PeCĪPIP°PSPSCĪ CĪP»C-Pr CĤPsP·PĪPsC†PëPSP°C,Pë P· 4 PjPi (1 C,P°P±P»PµC,PeP°
PSP° PrPsP±CĪ PICĤP°PSC†C-). PŞPµCĤPµP· 2 C,PëP¶PSC-, P·P° CĪPjPsPIPë
PrPsP±CĤPsC— PĪPµCĤPµPSPsCĪPëPjPsCĪC,C-, PrPsP·CĪ PĪC-PrPIPëC%CĪPIP°C,Pë PrPs
8 PjPi PrP»CĪ PrPsPIPiPsC,CĤPëPIP°P»PsPĪPs PĪCĤPëPNsPjCĪ PĪCĤPµPĪP°CĤP°C,CĪ
PµPsCĤPrPµCĤC-CĪ PµPsPSPs, C,P°P±P»PµC,PePë PĪPs 8 PjPi (1 C,P°P±P»PµC,PeP°
PSP° PrPsP±CĪ PICĤP°PSC†C-).

$P_{\mu}P^{\circ}C^{\dagger}C-C''PSC, P^{\circ}P_j P \gg C-C, PSC H P_s P_i P_s PIC-PeCr, Cr C_{\downarrow}PeP\ddot{e}C...$
 $PrPsPeCrP_j P_{\mu}PSC, P^{\circ}P \gg CH P S P_s PiC-PrC, PIP_{\mu}CH_j PrP_{\mu}PSP^{\circ} C-C\epsilon P_{\mu}P_j C-C\ddagger PSP^{\circ}$
 $C...PIP_sCH_j P_s P_{\pm}P^{\circ} C_{\uparrow}P_{\mu}CH_j C^{\dagger}C_{\downarrow} P \gg C-PeCrPIP^{\circ}PSPSC_{\downarrow} C_{\uparrow}P \gg C-Pr$
 $CH_j P_s P \cdot P_i P_s C\ddagger P\ddot{e}PSP^{\circ}C, P\ddot{e} P \cdot PrPsP \cdot P\ddot{e} 2 P_j Pi (P \cdot P^{\circ}C_{\uparrow}^{\dagger}C, PsC_{\uparrow}^{\dagger}PsPICrPIP^{\circ}C, P\ddot{e} C-PSC\epsilon P\ddot{e}PN_{\ddot{e}}$
 $P \gg C-PeP^{\circ}CH_j C_{\uparrow}^{\dagger}CH P_e P\ddot{e}PN_{\ddot{e}} P \cdot P^{\circ}C_{\uparrow}^{\dagger}C-P_{\pm} Cr PIC-PrPiPsPIC-PrPSP_s P_j C_{\uparrow}$
 $PrPsP \cdot C_{\uparrow}PIP^{\circ}PSPSC-) 1 CH_j P^{\circ}P \cdot PSP^{\circ} PrPsP_{\pm}C_{\uparrow} PICCH_j P^{\circ}PSC^{\dagger}C-; C\ddagger P_{\mu}CH_j P_{\mu}P \cdot$
 $C, P\ddot{e}P_{\mu}PrP_{\mu}PSC H PrPsP \cdot C_{\uparrow} PiC-PrPIP\ddot{e}C\%C_{\uparrow}PIP^{\circ}C, P\ddot{e} PrPs 4 P_j Pi; C\ddagger P_{\mu}CH_j P_{\mu}P \cdot 2$
 $C, P\ddot{e}P_{\mu}PSC-, P \cdot P^{\circ} C_{\uparrow}P_j PsPIP\ddot{e} PrPsP_{\pm}CH_j P_s C- PiP_{\mu}CH_j P_{\mu}PSP_s C_{\uparrow}P\ddot{e}P_j PsC_{\uparrow}^{\dagger}C, C- C, P^{\circ}$
 $P \cdot P^{\circ}P \gg P_{\mu}P_{\mu}PSP_s PIC-Pr C, C_{\uparrow}PSPeC^{\dagger}C-C- PSP\ddot{e}CH_j P_s Pe, PrPsP \cdot C_{\uparrow}$
 $PiC-PrPIP\ddot{e}C\%C_{\uparrow}PIP^{\circ}C, P\ddot{e} PrPs 8 P_j Pi (1 C, P^{\circ}P_{\pm}P \gg P_{\mu}C, PeP^{\circ} PSP^{\circ} PrPsP_{\pm}C_{\uparrow}) C, P^{\circ}$
 $CH_j P_s P \cdot P_i P_s C\ddagger P\ddot{e}PSP^{\circ}C, P\ddot{e} PrPsPIPiPsC, CH_j P\ddot{e}PIP^{\circ}P \gg P_{\mu} P \gg C-PeCrPIP^{\circ}PSPSC_{\downarrow}.$

$P_{\mu}C-PrP_{\pm}C-CH_j PrPsP \cdot PiCH_j P\ddot{e} PSP\ddot{e}CH_j PePsPIC-PN_{\ddot{e}} PSP_{\mu}PrPsC_{\uparrow}^{\dagger}C, P^{\circ}C, PSP_s C_{\uparrow}^{\dagger}C, C-.$

$P''PsP \cdot C_{\uparrow}PIP^{\circ}PSPSC_{\downarrow} PrP \gg C_{\downarrow} PiP^{\circ}C^{\dagger}C-C''PSC, C-PI P \cdot PSP\ddot{e}CH_j PePsPIP_s CH$
 $PSP_{\mu}PrPsC_{\uparrow}^{\dagger}C, P^{\circ}C, PSC-C_{\uparrow}^{\dagger}C, CH P_j P^{\circ}C'' P_{\pm}P^{\circ}P \cdot C_{\uparrow}PIP^{\circ}C, P\ddot{e}C_{\uparrow}^{\dagger}C_{\downarrow} PSP^{\circ} PeP \gg C-CH_j P_{\mu}PSC_{\uparrow}^{\dagger}C-$
 $PeCH_j P_{\mu}P^{\circ}C, P\ddot{e}PSC-PSC_{\uparrow}, C_{\downarrow}Pe P \cdot P^{\circ}P \cdot PSP^{\circ}C\ddagger P_{\mu}PSP_s Cr C, P^{\circ}P_{\pm}P \gg P\ddot{e}C^{\dagger}C- PSP\ddot{e}P_{\mu}C\ddagger P_{\mu}:$

$P\ddot{y}P^{\circ}P_{\pm}P \gg P\ddot{e}C^{\dagger}C_{\downarrow} B_{\uparrow}'' P_{\mu}C-PrP_{\pm}C-CH_j PrPsP \cdot PiCH_j P\ddot{e} PSP\ddot{e}CH_j PePsPIC-PN_{\ddot{e}}$
 $PSP_{\mu}PrPsC_{\uparrow}^{\dagger}C, P^{\circ}C, PSP_s C_{\uparrow}^{\dagger}C, C-$

$P_{\mu}P \gg C-CH_j P_{\mu}PSC_{\uparrow}^{\dagger} PeCH_j P_{\mu}P^{\circ}C, P\ddot{e}PSC-PSC_{\uparrow}^{\dagger}$ $(P_j P \gg C...PI)$	$P P_{\mu}PePsP_j P_{\mu}PSPPrPsPIP^{\circ}PSP_{\mu}$ $PrPsP \cdot C_{\uparrow}PIP^{\circ}PSPSC_{\downarrow}$
$Cl_{CR} \geq 60$	4 $P_j Pi PSP^{\circ} PrPsP_{\pm}C_{\uparrow}$
$30 < Cl_{CR} < 60$	2 $P_j Pi (P \cdot P^{\circ}C_{\uparrow}^{\dagger}C, PsC_{\uparrow}^{\dagger}PsPICrPIP^{\circ}C, P\ddot{e} C-PSC\epsilon P\ddot{e}PN_{\ddot{e}}$ $P \gg C-PeP^{\circ}CH_j C_{\uparrow}^{\dagger}CH P_e P\ddot{e}PN_{\ddot{e}} P \cdot P^{\circ}C_{\uparrow}^{\dagger}C-P_{\pm} Cr$ $PIC-PrPiPsPIC-PrPSP_s P_j C_{\uparrow} PrPsP \cdot C_{\uparrow}PIP^{\circ}PSPSC-) PSP^{\circ} PrPsP_{\pm}C_{\uparrow}$
$15 < Cl_{CR} < 30$	2 $P_j Pi (P \cdot P^{\circ}C_{\uparrow}^{\dagger}C, PsC_{\uparrow}^{\dagger}PsPICrPIP^{\circ}C, P\ddot{e} C-PSC\epsilon P\ddot{e}PN_{\ddot{e}}$ $P \gg C-PeP^{\circ}CH_j C_{\uparrow}^{\dagger}CH P_e P\ddot{e}PN_{\ddot{e}} P \cdot P^{\circ}C_{\uparrow}^{\dagger}C-P_{\pm} Cr$ $PIC-PrPiPsPIC-PrPSP_s P_j C_{\uparrow} PrPsP \cdot C_{\uparrow}PIP^{\circ}PSPSC-) C\ddagger P_{\mu}CH_j P_{\mu}P \cdot$ $PrPsP_{\pm}C_{\uparrow}$
$P_{\mu}P^{\circ}C^{\dagger}C-C''PSC, P\ddot{e}, C_{\downarrow}PeC- PiP_{\mu}CH_j P_{\mu}P_{\pm}C_{\uparrow}PIP^{\circ}CH C, CH PSP^{\circ} PiP_{\mu}P_j PsPrC-P^{\circ}P \gg C-P \cdot C-$	
$Cl_{CR} < 15$	2 $P_j Pi (P \cdot P^{\circ}C_{\uparrow}^{\dagger}C, PsC_{\uparrow}^{\dagger}PsPICrPIP^{\circ}C, P\ddot{e} C-PSC\epsilon P\ddot{e}PN_{\ddot{e}}$ $P \gg C-PeP^{\circ}CH_j C_{\uparrow}^{\dagger}CH P_e P\ddot{e}PN_{\ddot{e}} P \cdot P^{\circ}C_{\uparrow}^{\dagger}C-P_{\pm} Cr$ $PIC-PrPiPsPIC-PrPSP_s P_j C_{\uparrow} PrPsP \cdot C_{\uparrow}PIP^{\circ}PSPSC-) PSP^{\circ} PrPsP_{\pm}C_{\uparrow}$ $PiCH_j PsPIP_{\mu}PrP_{\mu}PSPSC_{\downarrow} PrC-P^{\circ}P \gg C-P \cdot C_{\uparrow}$

$\square P''C-P^{\circ}P \gg C-P \cdot PSP\ddot{e}PN_{\ddot{e}} PeP \gg C-CH_j P_{\mu}PSC_{\uparrow}^{\dagger} PiP_{\mu}CH_j P\ddot{e}PSPPrPsPiCH_j P\ddot{e}P \gg P^{\circ}C, Cr 70 P_j P \gg C...PI.$

$P_{\mu}P^{\circ}C^{\dagger}C-C''PSC, P^{\circ}P_j, C_{\downarrow}PeC- PiP_{\mu}CH_j P_{\mu}P_{\pm}C_{\uparrow}PIP^{\circ}CH C, CH PSP^{\circ} PiP_{\mu}P_j PsPrC-P^{\circ}P \gg C-P \cdot C-$
 $PrPsP \cdot C_{\uparrow} C_{\uparrow}P \gg C-Pr PiCH_j P\ddot{e}PN_{\ddot{e}} P_j P^{\circ}C, P\ddot{e} PiC-C_{\uparrow}^{\dagger}P \gg C_{\downarrow} PiCH_j PsPIP_{\mu}PrP_{\mu}PSPSC_{\downarrow}$
 $PiP_{\mu}P_j PsPrC-P^{\circ}P \gg C-P \cdot C_{\uparrow}.$

$P_{\mu}C-PrP_{\pm}C-CH_j PrPsP \cdot PiCH_j P\ddot{e} PiP_{\mu}C\ddagger C-PSPePsPIC-PN_{\ddot{e}} PSP_{\mu}PrPsC_{\uparrow}^{\dagger}C, P^{\circ}C, PSP_s C_{\uparrow}^{\dagger}C, C-.$

$P_{\mu}P^{\circ}C^{\dagger}C-C''PSC, P\ddot{e} P \cdot PiP_{\mu}C\ddagger C-PSPePsPIP_s CH PSP_{\mu}PrPsC_{\uparrow}^{\dagger}C, P^{\circ}C, PSC-C_{\uparrow}^{\dagger}C, CH PSP_{\mu}$
 $PiPsC, CH_j P_{\mu}P_{\pm}C_{\uparrow}CH C, CH PiC-PrP_{\pm}PsCH_j C_{\uparrow} PrPsP \cdot P\ddot{e} PiCH_j P_{\mu}PiP^{\circ}CH_j P^{\circ}C, Cr (PrP\ddot{e}PI.$
 $CH_j P_s P \cdot PrC-P \gg P\ddot{e} B \ll PhC_{\uparrow}^{\dagger}Ps_{\pm}P \gg P\ddot{e}PIPsC_{\uparrow}^{\dagger}C, C- P \cdot P^{\circ}C_{\uparrow}^{\dagger}C, PsC_{\uparrow}^{\dagger}C_{\uparrow}PIP^{\circ}PSPSC_{\downarrow} B \gg C, P^{\circ}$
 $B \ll P \alpha P^{\circ}CH_j P_j P^{\circ}PePsPeC-PSP_{\mu}C, P\ddot{e}PeP^{\circ}B \gg).$

P''C-C,Pë.

P•C,,PμPeC,PëPIPSC-CΓC,CH C,P° P±PμP·PīPμPeP° P·P°CΓC,PsCΓCΓPIP°PSPSCΠ
PrC-C,CΠPj PrPs 18 CḡPsPeC-PI PSPμ PICΓC,P°PSPsPIP»PμPSP°. PκP°CΠIPSP°
C-PSC,,PsCḡPjP°C†C-CΠ P·P°P·PSP°C‡PμPSP° CΓ CḡPsP·PrC-P»C-
B«PαP°CḡPjP°PePsPrPëPSP°PjC-PeP°B», P°P»Pμ PSP°PrP°C,Pë
CḡPμPePsPjPμPSPPrP°C†C-C— C%PsPrPs PrPsP·CΓPIP°PSPSCΠ PSPμPjPsP¶P»PëPIPs.
PŷPsPjCΓ PīPμCḡPëPSPPrPsPīCḡPëP»CΓ C,PμCḡC,-P±CΓC,PëP»P°PjC-PS
PīCḡPëP·PSP°C‡P°C,Pë PrC-C,CΠPj PSPμ CḡPμPePsPjPμPSPPrCΓC''C,CHCΓCΠ.

PμPμCḡPμPrPsP·C¿PIP°PSPSCΠ.

P†PSC,,PsCḡPjP°C†C-C— PīCḡPs PīPμCḡPμPrPsP·CΓPIP°PSPSCΠ PīPμCḡPëPSPPrPsPīCḡPëP»PsPj
PSPμPrPsCΓC,P°C,PSCHPs. PŷPëPjPīC,PsPjPë, PīPsPīBḡ™ CΠP·P°PSC- P·
PīPμCḡPμPrPsP·CΓPIP°PSPSCΠPj C-PSPiC-P±C-C,PsCḡP°PjPë PḡPμPα, PjPsP¶CΓC,CH P±CΓC,Pë
PSP°CΓC,CΓPīPSPëPjPë: P°CḡC,PμCḡC-P°P»CHPSP° PiC-PīPsC,PμPSP·C-CΠ,
C†PëCḡPeCΓP»CΠC,PsCḡPSPëPμ CëPsPe, PīPsCḡCΓCëPμPSPSCΠ
PμP»PμPeC,CḡPsP»C-C,PSPsPiPs P±P°P»P°PSCΓCΓ, PSPëCḡPePsPIP°
PSPμPrPsCΓC,P°C,PSC-CΓC,CH, PiC-PīPμCḡPIPμPSC,PëP»CΠC†C-CΠ, C,P°C...C-PeP°CḡPrC-CΠ,
PīCḡPëCΓPePsCḡPμPSPμ CΓPμCḡC†PμP±PëC,C,CΠ, P±CḡP°PrPëPeP°CḡPrC-CΠ,
P·P°PīP°PjPsCḡPsC‡PμPSPSCΠ, C,CḡPëPIPsPiP°, PeP°CëPμP»CH C,PsC%Ps.

PμCḡPë PīPμCḡPμPrPsP·CΓPIP°PSPSC- CḡPμPePsPjPμPSPPrCΓC''C,CHCΓCΠ
PIPSCΓC,CḡC-CëPSCHPsPIPμPSPSPμ PIPIPμPrPμPSPSCΠ CḡPsP·C‡PëPSCΓ PSP°C,CḡC-CH
C...P»PsCḡPëPrCΓ 0,9 % (9 PjPi/PjP»). PJ PIPëPīP°PrPeCΓ PIPëPSPëPePSPμPSPSCΠ
P°CḡC,PμCḡC-P°P»CHPSPsC— PiC-PīPsC,PμPSP·C-C— PīP°C†C-C''PSC,CΓ
PSPμPsP±C...C-PrPSPs PSP°PrP°C,Pë PiPsCḡPëP·PsPSC,P°P»CHPSPμ PīPsP»PsP¶PμPSPSCΠ P·
PSPëP·CHPePëPj CΓP·PiPsP»C-PīBḡ™ CΠPj. PJ CḡP°P·C- PjPsP¶P»PëPIPsCΓC,C- CΓP»C-Pr
P·P°P±PμP·PīPμC‡PëC,Pë PīP°C†C-C''PSC,CΓ C-PSC,,CΓP·C-C— P°PSPiC-PsC,PμPSP·PëPSCΓ P†P†
C,P°/P°P±Ps PIPSCΓC,CḡC-CëPSCHPsPIPμPSPSPμ PIPIPμPrPμPSPSCΠ
PeP°C,PμC...PsP»P°PjC-PSC-PI. PμPμCḡPëPSPPrPsPīCḡPëP» PjPsP¶PSP° PIPëPrP°P»PëC,Pë C-P·
CΓPëCΓC,PμPjPSPsPiPs PeCḡPsPIPsPsP±C-PiCΓ P·P° PrPsPīPsPjPsPiPsCḡ
PīPμPjPsPrC-P°P»C-P·CΓ (PrPëPI. CḡPsP·PrC-P» B«PκCΓPsP±P»PëPIPsCΓC,C-
P·P°CΓC,PsCΓCΓPIP°PSPSCΠB»). PJ CḡP°P·C- PIPëPSPëPePSPμPSPSCΠ
CḡPμP·PëCΓC,PμPSC,PSPsC— PrPs P»C-PeCΓPIP°PSPSCΠ P±CḡP°PrPëPeP°CḡPrC-C—
PīPsPeP°P·P°PSPμ P·P°CΓC,PsCΓCΓPIP°PSPSCΠ CëC,CΓC‡PSPsPiPs PIPsPrC-CΠ CḡPëC,PjCΓ.
PκPμPsP±C...C-PrPSPs PICΓC,P°PSPsPIPëC,Pë PīPsCΓC,C-PMëPSPëPMë PjPsPSC-C,PsCḡPëPSPi P·P°
PsCΓPSPsPIPSPëPjPë PīPsPeP°P·PSPëPeP°PjPë P¶PëC,C,C''PrC-CΠP»CHPSPsCΓC,C-,
PePsPSC†PμPSC,CḡP°C†C-C''Cḡ PμP»PμPeC,CḡPsP»C-C,C-PI C,P° PeCḡPμP°C,PëPSC-PSCΓ CΓ
CΓPëCḡPsPIP°C,C†C-B PeCḡPsPIC-.

PμPsP±C-C‡PSC- CḡPμP°PeC†C-C—.

PμCḡPsC,,C-P»CH P±PμP·PīPμPePë PīPμCḡPëPSPPrPsPīCḡPëP»CΓ PIC-PrPīPsPIC-PrP°C''
PīCḡPsC,,C-P»Cḡ P±PμP·PīPμPePë C-PSPiC-P±C-C,PsCḡC-PI PḡPμPα.
PκP°PMëC‡P°CΓC,C-CëPëPjPë PīPsP±C-C‡PSPëPjPë CḡPμP°PeC†C-CΠPjPë, PīCḡPs CΠPeC-
PīPsPIC-PrPsPjP»CΠP»PsCΓCΠ PīC-Pr C‡P°CΓ PeP»C-PSC-C‡PSPëC... PrPsCΓP»C-PrP¶PμPSCḡ
PīPμCḡPëPSPPrPsPīCḡPëP»CΓ, C'': P·P°PīP°PjPsCḡPsC‡PμPSPSCΠ, PiPsP»PsPIPSPëPMë P±C-P»CH,
PīP°CḡPμCΓC,PμP·C-C—, PIPμCḡC,PëPiPs, PīPsCḡCΓCëPμPSPSCΠ P·PsCḡCΓ, PrP·PIC-PS CΓ

PICrC...P°C..., P°CḡC, PμCḡC-P°P»CHPSP° PiC-PiPsC, PμPSP·C-Cḡ, P°P°C€PμP»CH,
P·P°PrP€C€P°P°, P±C-P»CH Cr P¶P€PIPsC, C-, P·P°PiPsCḡ, PrC-P°CḡPμCḡ, P·C-PiCḡCrC, C, Cḡ
CḡPjP°PeCr (PrP€CḡPiPμPIP·C-Cḡ), PrP€CḡPiPμPiCḡC-Cḡ, PSCrPrPsC, P°, P±P»CHPIP°PSPSCḡ,
CḡPIPμCḡP±C-P¶, PIP€CḡP€PiP°PSPSCḡ, PjP°PeCrP»PsPiP°PiCḡP»CHPsP·PSC-
PIP€CḡP€PiP°PSPSCḡ, CḡCrPrPsPjP€ PjBḡ™ CḡP·C-PI C, P° P°CḡC, PμPSC-Cḡ.

PμC-Pr C±P°Cḡ PeP»C-PSC-C±PSP€C... PrPsCḡP»C-PrP¶PμPSCḡ C, P°
PiC-CḡP»CḡCḡPμCḡCḡCḡCḡP°CḡC-PN€PSPsPiPs P·P°CḡC, PsCḡCrPIP°PSPSCḡ
PiPμCḡP€PSPPrPsPiCḡP€P»Cḡ CḡPiPsCḡC, PμCḡC-PiP°P»P€CḡCḡ PSP€P¶C±PμP·P°P·PSP°C±PμPSC-
PiPsP±C-C±PSC- CḡPμP°PeCḡC-C— P·C, P°PePsCḡ C±P°CḡC, PsC, PsCḡ PIP€PSP€PePSPμPSPSCḡ:
PrCḡP¶Pμ C±P°CḡC, Ps (≥ 1/10); C±P°CḡC, Ps (≥ 1/100, < 1/10), PSPμC±P°CḡC, Ps (≥ 1/1000, <
1/100), CḡC-PrPePs (≥ 1/10000, < 1/1000), PrCḡP¶Pμ CḡC-PrPePs (< 1/10000); C±P°CḡC, PsC, P°
PSPμPIC-PrPsPjP° (PSPμ PjPsP¶Pμ P±CḡC, P€ PIP€P·PSP°C±PμPSP° P·PiC-PrPSPs P·
PSP°CḡPIPSPsCḡ C-PSC, „PsCḡPjP°CḡC-CḡCḡ).

P— P±PsPeCr CḡP€CḡC, PμPjP€ PeCḡPsPIC- C, P° P»C-PjC, „P°C, P€C±PSPsC— CḡP€CḡC, PμPjP€:
PμPsP·P€PSPsC, „C-P»C-Cḡ Bḡ“ PSPμC±P°CḡC, Ps*; P°PiCḡP°PSCrP»PsCḡP€C, PsP· P°P±Ps
PiP°PSCḡP€C, PsPiPμPSC-Cḡ Bḡ“ PrCḡP¶Pμ CḡC-PrPePs; P·PSP€P¶PμPSPSCḡ CḡC-PIPSCḡ
PiPμPjPsPiP»PsP±C-PSCr C, P° PiPμPjP°C, PsPeCḡP€C, Cr Bḡ“ PrCḡP¶Pμ CḡC-PrPePs;
P»PμPN€PePsPiPμPSC-Cḡ/PSPμPN€C, CḡPsPiPμPSC-Cḡ Bḡ“ PrCḡP¶Pμ CḡC-PrPePs,
PiPμPjPsP»C-C, P€C±PSP° P°PSPμPjC-Cḡ Cr PiP°CḡC-CḡPSC, C-PI P· CrCḡPsPrP¶PμPSPsCḡ
PSPμPrPsCḡC, P°C, PSC-CḡC, Cḡ PiP»CḡPePsP·Ps-6-C, „PsCḡC, „P°C, PrPμPiC-PrCḡPsPiPμPSP°P·P€
Bḡ“ PrCḡP¶Pμ CḡC-PrPePs; C, CḡPsPjP±PsCḡP€C, PsPiPμPSC-Cḡ Bḡ“ PrCḡP¶Pμ CḡC-PrPePs.

P— P±PsPeCr PμPSPPrPsPeCḡP€PSPSPsC— CḡP€CḡC, PμPjP€: CḡP€PSPPrCḡPsPj
PSPμP°PrPμPePIP°C, PSPsC— CḡPμPeCḡPμCḡC-C— P°PSC, P€PrC-CḡCḡPμC, P€C±PSPsPiPs
PiPsCḡPjPsPSCr (PŸPḡPŸPḡP”P”) Bḡ“ CḡC-PrPePs.

P— P±PsPeCr PjPμC, P°P±PsP»C-P·PjCr C, P° PsP±PjC-PSCr CḡPμC±PsPIP€PS:
PiC-PiPsPiP»C-PePμPjC-Cḡ Bḡ“ PSPμC±P°CḡC, Ps*; PiC-PiPμCḡPeP°P»C-CḡPjC-Cḡ, CḡPeP° Cḡ
PsP±PsCḡPsC, PSPsCḡ PiC-CḡP»Cḡ PIC-PrPjC-PSP€ PiCḡPμPiP°CḡP°C, Cr Bḡ“ PSPμC±P°CḡC, Ps*;
PiC-PiPsPSP°C, CḡC-CḡPjC-CḡB B B B B B Bḡ“ PSPμC±P°CḡC, Ps*.

P— P±PsPeCr PiCḡP€C...C-PeP€: PrPμPiCḡPμCḡC-Cḡ Bḡ“ PSPμC±P°CḡC, Ps*;
PiPsCḡCrC€PμPSPSCḡ PSP°CḡC, CḡPsCḡ Bḡ“ PSPμC±P°CḡC, Ps; PiPsCḡCrC€PμPSPSCḡ CḡPSCr
Bḡ“ PSPμC±P°CḡC, Ps.

P— P±PsPeCr PSPμCḡPIPsPIPsC— CḡP€CḡC, PμPjP€: P·P°PiP°PjPsCḡPsC±PμPSPSCḡ Bḡ“
C±P°CḡC, Ps; PiPsP»PsPIPSP€PN€ P±C-P»CH Bḡ“ C±P°CḡC, Ps; PiP°CḡPμCḡC, PμP·C-Cḡ Bḡ“
C±P°CḡC, Ps; PIPμCḡC, P€PiPs Bḡ“ C±P°CḡC, Ps; CḡPsPSP»P€PIC-CḡC, CH Bḡ“ PSPμC±P°CḡC, Ps*;
PSPμPiCḡP€C, PsPjPSC-CḡC, CH Bḡ“ PSPμC±P°CḡC, Ps*; CḡPiP»CḡC, P°PSC-CḡC, CH
CḡPIC-PrPsPjPsCḡC, C- Bḡ“ PrCḡP¶Pμ CḡC-PrPePs.

P— P±PsPeCr PsCḡPiP°PSC-PI P·PsCḡCr: PiPsCḡCrC€PμPSPSCḡ P·PsCḡCr Bḡ“ C±P°CḡC, Ps.

P— P±PsPeCr PsCḡPiP°PSC-PI CḡP»CḡC...Cḡ C, P° P»P°P±C-CḡP€PSC, Cr: PrP·PIC-PS Cr
PICrC...P°C... Bḡ“ C±P°CḡC, Ps.

P— P±PsPeCr CḡPμCḡCḡCḡ: PiP°P»CHPiC-C, P°CḡC-Cḡ - PSPμC±P°CḡC, Ps*;
C, P°C...C-PeP°CḡPrC-Cḡ - PSPμC±P°CḡC, Ps*; CḡC, PμPSPsPeP°CḡPrC-Cḡ Bḡ“ PrCḡP¶Pμ
CḡC-PrPePs; P°CḡP€C, PjC-Cḡ Bḡ“ PrCḡP¶Pμ CḡC-PrPePs; C-PSC, „P°CḡPeC, PjC-PsPeP°CḡPrP°
PjPsP¶Pμ PIP€PSP€PeP°C, P€ PIPSP°CḡP»C-PrPsPe PSP°PrPjC-CḡPSPsPiPs P·PSP€P¶PμPSPSCḡ

$P^{\circ}C\bar{H}C, P_{\mu}C\bar{H}C - P^{\circ}P \gg CH\bar{P}SPsPiPs$ C, $P\bar{e}C\bar{I}^{\circ}P\bar{e}C\bar{r}$ C $\bar{r}$ $P\bar{i}P^{\circ}C\bar{I}^{\circ}C - C^{\circ}PSC, C - PI$ $PiC\bar{H}C\bar{r}P\bar{i}P\bar{e}$
 $PIP\bar{e}C\bar{I}^{\circ}PsPePsPiPs$ $C\bar{H}P\bar{e}P \cdot P\bar{e}P\bar{e}C\bar{r}$ бҗ“ $PrC\bar{r}P\bar{I}P_{\mu}$ $C\bar{H}C - PrPePs$.

$P - P \pm PsPeC\bar{r}$ $C\bar{I}^{\circ}C\bar{r}PrP\bar{e}PSPSPsC - C\bar{I}^{\circ}P\bar{e}C\bar{I}^{\circ}C, P_{\mu}PjP\bar{e}$: $PiC - P\bar{i}PsC, P_{\mu}PSP \cdot C - C\bar{I}$ (C, P°
 $P\bar{i}PsPi\bar{b}\bar{H}^{\text{TM}}$ $C\bar{I}P \cdot P^{\circ}PSC - P \cdot PSP_{\mu}C\bar{H}$ $C\bar{I}^{\circ}P\bar{e}PjPiC, PsPjP\bar{e}$) бҗ“ $C\bar{I}^{\circ}C\bar{I}^{\circ}C, Ps$; $PIP^{\circ}C\bar{I}^{\circ}P\bar{e}C\bar{r}P \gg C - C$, бҗ“
 $PSP_{\mu}C\bar{I}^{\circ}C, Ps^{*}$; $PiC\bar{H}P\bar{e}PiP \gg P\bar{e}PIP\bar{e}$ $P\bar{I}P^{\circ}C\bar{H}C\bar{r}$ бҗ“ $C\bar{H}C - PrPePs^{*}$; $C - PSC\bar{I}^{\circ}C\bar{r}P \gg CH\bar{C}$, $PjPsP\bar{I}P_{\mu}$
 $PIP\bar{e}PSP\bar{e}PeP^{\circ}C, P\bar{e}$ $PIPSP^{\circ}C\bar{I}^{\circ}P \gg C - PrPsPe$ $PSP^{\circ}PrPjC - C\bar{H}PSPsPiPs$ $P \cdot PSP\bar{e}P\bar{I}P_{\mu}PSPSC\bar{I}$
 $P^{\circ}C\bar{H}C, P_{\mu}C\bar{H}C - P^{\circ}P \gg CH\bar{P}SPsPiPs$ C, $P\bar{e}C\bar{I}^{\circ}P\bar{e}C\bar{r}$ C $\bar{r}$ $P\bar{i}P^{\circ}C\bar{I}^{\circ}C - C^{\circ}PSC, C - PI$ $PiC\bar{H}C\bar{r}P\bar{i}P\bar{e}$
 $PIP\bar{e}C\bar{I}^{\circ}PsPePsPiPs$ $C\bar{H}P\bar{e}P \cdot P\bar{e}P\bar{e}C\bar{r}$ бҗ“ $PrC\bar{r}P\bar{I}P_{\mu}$ $C\bar{H}C - PrPePs$; C, $P_{\mu}PSPsPjP_{\mu}PS$ P $P_{\mu}PN\bar{e}PSPs$ бҗ“
 $C\bar{I}^{\circ}C\bar{I}^{\circ}C, PsC, P^{\circ}$ $PSP_{\mu}PIC - PrPsPjP^{\circ}$.

$P - P \pm PsPeC\bar{r}$ $PrP\bar{e}C \dots P^{\circ}P \gg CH\bar{P}SPsC - C\bar{I}^{\circ}P\bar{e}C\bar{I}^{\circ}C, P_{\mu}PjP\bar{e}$, $PsC\bar{H}PiP^{\circ}PSC - PI$ $PiC\bar{H}C\bar{r}PrPSPsC -$
 $PeP \gg C - C, PeP\bar{e}$ C, P° $C\bar{I}^{\circ}P_{\mu}C\bar{H}P_{\mu}PrPsC\bar{I}^{\circ}C, C - PSPSC\bar{I}$: $PeP^{\circ}C\bar{e}P_{\mu}P \gg CH$ бҗ“ $C\bar{I}^{\circ}C\bar{I}^{\circ}C, Ps$;
 $P \cdot P^{\circ}PrP\bar{e}C\bar{e}PeP^{\circ}$ бҗ“ $C\bar{I}^{\circ}C\bar{I}^{\circ}C, Ps$; $P \pm C\bar{H}PsPSC \dots PsC\bar{I}^{\circ}P\bar{i}P^{\circ}P \cdot Pj$ бҗ“ $PSP_{\mu}C\bar{I}^{\circ}C, Ps$;
 $P_{\mu}PsP \cdot P\bar{e}PSPsC, C - P \gg CH\bar{P}SP^{\circ}$ $PiPSP_{\mu}PIPjPsPSC - C\bar{I}$ бҗ“ $PrC\bar{r}P\bar{I}P_{\mu}$ $C\bar{H}C - PrPePs$; $C\bar{H}P\bar{e}PSC - C$, бҗ“
 $PrC\bar{r}P\bar{I}P_{\mu}$ $C\bar{H}C - PrPePs$.

$P - P \pm PsPeC\bar{r}$ C, $C\bar{H}P^{\circ}PIPSPsC - C\bar{I}^{\circ}P\bar{e}C\bar{I}^{\circ}C, P_{\mu}PjP\bar{e}$: $P \pm C - P \gg CH$ C $\bar{r}$ $P\bar{I}P\bar{e}PIPsC, C -$ бҗ“ $C\bar{I}^{\circ}C\bar{I}^{\circ}C, Ps$;
 $P \cdot P^{\circ}PiPsC\bar{H}$ бҗ“ $C\bar{I}^{\circ}C\bar{I}^{\circ}C, Ps$; $PrC - P^{\circ}C\bar{H}P_{\mu}C\bar{I}$ бҗ“ $C\bar{I}^{\circ}C\bar{I}^{\circ}C, Ps$; $P \cdot C - PiC\bar{I}^{\circ}C\bar{r}C, C, C\bar{I}$ $C\bar{I}^{\circ}PjP^{\circ}PeC\bar{r}$
($PrP\bar{e}C\bar{I}^{\circ}PiP_{\mu}PIP \cdot C - C\bar{I}$) бҗ“ $C\bar{I}^{\circ}C\bar{I}^{\circ}C, Ps$; $PrP\bar{e}C\bar{I}^{\circ}PiP_{\mu}PiC\bar{I}^{\circ}C - C\bar{I}$ бҗ“ $C\bar{I}^{\circ}C\bar{I}^{\circ}C, Ps$; $PSC\bar{r}PrPsC, P^{\circ}$ бҗ“
 $C\bar{I}^{\circ}C\bar{I}^{\circ}C, Ps$; $P \pm P \gg CH\bar{P}IP^{\circ}PSPSC\bar{I}$ бҗ“ $C\bar{I}^{\circ}C\bar{I}^{\circ}C, Ps$; $C\bar{I}^{\circ}C\bar{r}C \dots C - C\bar{I}^{\circ}C, CH$ C $\bar{r}$ $C\bar{H}PsC, C -$ бҗ“
 $PSP_{\mu}C\bar{I}^{\circ}C, Ps$; $P\bar{i}P^{\circ}PSP\bar{e}C\bar{H}P_{\mu}P^{\circ}C, P\bar{e}C$, бҗ“ $PrC\bar{r}P\bar{I}P_{\mu}$ $C\bar{H}C - PrPePs$.

$P - P \pm PsPeC\bar{r}$ $PiP_{\mu}PiP^{\circ}C, PsP \pm C - P \gg C - P^{\circ}C\bar{H}PSPsC - C\bar{I}^{\circ}P\bar{e}C\bar{I}^{\circ}C, P_{\mu}PjP\bar{e}$:
 $C\bar{I}^{\circ}P\bar{e}C, PsP \gg C - C, P\bar{e}C\bar{I}^{\circ}PSP\bar{e}PN\bar{e}$ $P^{\circ}P \pm Ps$ C... $PsP \gg P_{\mu}C\bar{I}^{\circ}C, P^{\circ}C, P\bar{e}C\bar{I}^{\circ}PSP\bar{e}PN\bar{e}$ $PiP_{\mu}PiP^{\circ}C, P\bar{e}C$, бҗ“
 $PrC\bar{r}P\bar{I}P_{\mu}$ $C\bar{H}C - PrPePs$.

P $PsP \cdot P \gg P^{\circ}PrP\bar{e}$ $P \cdot P \pm PsPeC\bar{r}$ $C\bar{e}PeC - C\bar{H}P\bar{e}$ C, P° C—C— $PiPsC \dots C - PrPSP\bar{e}C \dots$: $C\bar{I}^{\circ}PIP_{\mu}C\bar{H}P \pm C - P\bar{I}$
бҗ“ $C\bar{I}^{\circ}C\bar{I}^{\circ}C, Ps$; $PIP\bar{e}C\bar{I}^{\circ}P\bar{e}PiP^{\circ}PSPSC\bar{I}$ бҗ“ $C\bar{I}^{\circ}C\bar{I}^{\circ}C, Ps$; $PeC\bar{H}PsPiP\bar{e}Pi\bar{b}\bar{H}^{\text{TM}}$ $C\bar{I}PSP\bar{e}P^{\circ}$ бҗ“
 $PSP_{\mu}C\bar{I}^{\circ}C, Ps$; $P^{\circ}PSPiC - PsPSP_{\mu}PIC\bar{H}PsC, P\bar{e}C\bar{I}^{\circ}PSP\bar{e}PN\bar{e}$ $PSP^{\circ}P \pm C\bar{H}C\bar{I}P\bar{e}$ $PsP \pm P \gg P\bar{e}C\bar{I}^{\circ}C\bar{I}$,
 $PeC - PSC\bar{I}^{\circ}C - PIPsPe$, $PiC\bar{r}P \pm$, $C\bar{I}^{\circ}P \gg P\bar{e}P \cdot PsPIP\bar{e}C \dots$ $PsP \pm PsP \gg PsPSPsPe$, $C\bar{I}P \cdot P\bar{e}PeP^{\circ}$,
 $PiPsP \gg PsC\bar{I}^{\circ}PsPIPsC - C\%C - P \gg P\bar{e}PSP\bar{e}$ C, $P^{\circ}/P^{\circ}P \pm Ps$ $PiPsC\bar{H}C, P^{\circ}PSC -$ бҗ“ $PSP_{\mu}C\bar{I}^{\circ}C, Ps$;
 $C\bar{H}P_{\mu}P^{\circ}PeC\bar{I}^{\circ}C - C -$ C, $PsC, PsC\bar{I}^{\circ}C\bar{r}C, P \gg P\bar{e}PIPsC\bar{I}^{\circ}C, C -$ бҗ“ $PSP_{\mu}C\bar{I}^{\circ}C, Ps^{*}$; $PiP_{\mu}PjC, C - PiPsC - Pr$
бҗ“ $PSP_{\mu}C\bar{I}^{\circ}C, Ps^{*}$; $PiC - PiP_{\mu}C\bar{H}PiC - PrC\bar{H}PsP \cdot$ бҗ“ $PSP_{\mu}C\bar{I}^{\circ}C, Ps$; $PiPsC\bar{I}^{\circ}P\bar{e}P \gg P_{\mu}PSPSC\bar{I}$
 $C\bar{I}^{\circ}P\bar{e}PjPiC, PsPjC - PI$ $PiC\bar{I}^{\circ}PsC\bar{H}C - P^{\circ}P \cdot C\bar{r}$ бҗ“ $C\bar{H}C - PrPePs$; $PjC\bar{r}P \gg CH\bar{C}, P\bar{e}C, PsC\bar{H}PjPSP^{\circ}$
 $P_{\mu}C\bar{H}P\bar{e}C, P_{\mu}PjP^{\circ}$ бҗ“ $PrC\bar{r}P\bar{I}P_{\mu}$ $C\bar{H}C - PrPePs$.

$P - P \pm PsPeC\bar{r}$ $C\bar{I}^{\circ}PeP_{\mu}P \gg P_{\mu}C, PSPs - Pj\bar{b}\bar{H}^{\text{TM}}$ $C\bar{I}P \cdot PsPIPsC - C\bar{I}^{\circ}P\bar{e}C\bar{I}^{\circ}C, P_{\mu}PjP\bar{e}$ C, P°
 $C\bar{I}^{\circ}PiPsP \gg C\bar{r}C\bar{I}^{\circ}PSPsC - C, PeP^{\circ}PSP\bar{e}PSP\bar{e}$: $C\bar{I}^{\circ}C\bar{r}PrPsPjP\bar{e}$ $Pj\bar{b}\bar{H}^{\text{TM}}$ $C\bar{I}P \cdot C - PI$ бҗ“ $C\bar{I}^{\circ}C\bar{I}^{\circ}C, Ps$;
 $P^{\circ}C\bar{H}C, C\bar{H}P^{\circ}P \gg PiC - C\bar{I}$ бҗ“ $PSP_{\mu}C\bar{I}^{\circ}C, Ps^{*}$; $PjC - P^{\circ}P \gg PiC - C\bar{I}$ бҗ“ $PSP_{\mu}C\bar{I}^{\circ}C, Ps^{*}$.

$P - P \pm PsPeC\bar{r}$ $PSP\bar{e}C\bar{H}PsPe$ C, P° $C\bar{I}^{\circ}P_{\mu}C\bar{I}^{\circ}PsPIP\bar{e}PrC - P \gg CH\bar{P}SPsC - C\bar{I}^{\circ}P\bar{e}C\bar{I}^{\circ}C, P_{\mu}PjP\bar{e}$:
 $PSP\bar{e}C\bar{H}PePsPIP^{\circ}$ $PSP_{\mu}PrPsC\bar{I}^{\circ}C, P^{\circ}C, PSC - C\bar{I}^{\circ}C, CH$ бҗ“ $PSP_{\mu}C\bar{I}^{\circ}C, Ps$; $PiPsC\bar{I}^{\circ}C, C\bar{H}P^{\circ}$
 $PSP\bar{e}C\bar{H}PePsPIP^{\circ}$ $PSP_{\mu}PrPsC\bar{I}^{\circ}C, P^{\circ}C, PSC - C\bar{I}^{\circ}C, CH$ бҗ“ $C\bar{H}C - PrPePs$;
 $P^{\circ}PSC\bar{r}C\bar{H}C - C\bar{I}/PsP \gg C - PiC\bar{r}C\bar{H}C - C\bar{I}$ бҗ“ $C\bar{H}C - PrPePs^{*}$.

$P - P \pm PsPeC\bar{r}$ $C\bar{H}P_{\mu}PiC\bar{H}PsPrC\bar{r}PeC, P\bar{e}PIPSPsC - C\bar{I}^{\circ}P\bar{e}C\bar{I}^{\circ}C, P_{\mu}PjP\bar{e}$ C, P° $PjPsP \gg PsC\bar{I}^{\circ}PSP\bar{e}C \dots$
 $P \cdot P^{\circ}P \gg PsP$: $C\bar{H}P_{\mu}PeC, P\bar{e}P \gg CH\bar{P}SP^{\circ}$ $PrP\bar{e}C\bar{I}^{\circ}C, C\bar{r}PSP\bar{e}C\bar{I}^{\circ}C - C\bar{I}$ бҗ“ $PSP_{\mu}C\bar{I}^{\circ}C, Ps$.

$P - P^{\circ}PiP^{\circ}P \gg CH\bar{P}PSC - C\bar{H}PsP \cdot P \gg P^{\circ}PrP\bar{e}$: $P^{\circ}C\bar{I}^{\circ}C, P_{\mu}PSC - C\bar{I}$ бҗ“ $C\bar{I}^{\circ}C\bar{I}^{\circ}C, Ps$; $P \pm C - P \gg CH$ PI
 $PiC\bar{H}C\bar{r}PrPSC - PN\bar{e}$ $PeP \gg C - C, C\bar{I}^{\circ}C -$ бҗ“ $PSP_{\mu}C\bar{I}^{\circ}C, Ps^{*}$; $PSP_{\mu}P \cdot PrC\bar{r}P\bar{I}P^{\circ}PSPSC\bar{I}$ бҗ“
 $PSP_{\mu}C\bar{I}^{\circ}C, Ps^{*}$; $PiP_{\mu}C\bar{H}P\bar{e}C, P_{\mu}C\bar{H}P\bar{e}C\bar{I}^{\circ}PSC -$ $PSP^{\circ}P \pm C\bar{H}C\bar{I}P\bar{e}P\bar{e}$ бҗ“ $PSP_{\mu}C\bar{I}^{\circ}C, Ps^{*}$;

PiC-PiPμCḡC,PμCḡPjC-Cḡ Bḡ“ PSPμC‡P°CḡC,Ps*.

P“PsCḡP»C-PrP¶PμPSPSCḡ: PiC-PrPIPëC%oPμPSPSCḡ CḡC-PIPSCḡ CḡPμC‡PsPIPëPSPë PI PeCḡPsPIC- Bḡ“ PSPμC‡P°CḡC,Ps*; PiC-PrPIPëC%oPμPSPSCḡ CḡC-PIPSCḡ PeCḡPμP°C,PëPSC-PSCḡ PI PeCḡPsPIC- Bḡ“ PSPμC‡P°CḡC,Ps*; PiC-PrPIPëC%oPμPSPSCḡ CḡC-PIPSCḡ P±C-P»C-CḡCḡP±C-PSCḡ PI PeCḡPsPIC- Bḡ“ CḡC-PrPePs; PiC-PrPIPëC%oPμPSPSCḡ CḡC-PIPSCḡ PiPμC‡C-PSPePsPIPëC... C„PμCḡPjPμPSC,C-PI Bḡ“ CḡC-PrPePs.

PjC€PePsPrP¶PμPSPSCḡ, PsC,CḡCḡC“PSPSCḡ C,P° CḡCḡPeP»P°PrPSPμPSPSCḡ PiCḡPëPNëPsPjCḡ: PiP°PrC-PSPSCḡ Bḡ“ PSPμC‡P°CḡC,Ps*.

**PḡP°CḡC,PsC,P° PiPsP±C-C‡PSPëC... CḡPμP°PeC†C-PNë, PIPëCḡPIP»PμPSPëC... P·P° PrPsPiPsPjPsPiPsCḡ CḡPiPsPSC,P°PSPSPëC... PiPsPIC-PrPsPjP»PμPSCḡ, CḡPsP·CḡP°C...PsPIP°PSP° P·P° PrP°PSPëPjPë PeP»C-PSC-C‡PSPëC... PrPsCḡP»C-PrP¶PμPSCḡ.*

PḡP»C-PSC-C‡PSC- PrPsCḡP»C-PrP¶PμPSPSCḡ

PμC-Pr C‡P°Cḡ PiPμCḡC-PsPrCḡ CḡP°PSPrPsPjC-P·P°C†C-C— Cḡ PrPsCḡP»C-PrP¶PμPSPSC-EUROPA P±CḡP»Ps P·C-P±CḡP°PSPs C-PSC„PsCḡPjP°C†C-Cḡ C,C-P»CḡPePë PiCḡPs CḡPμCḡPNëPsP·PSC- PIPëPiP°PrPePë PiPsP±C-C‡PSPëC... CḡPμP°PeC†C-PNë. Pj PSPμPIPμP»PëPePsC— PeC-P»CḡPePsCḡC,C- PiP°C†C-C“PSC,C-PI P±CḡP»Ps PIPëCḡPIP»PμPSPs CḡPμCḡPNëPsP·PSC- PiPsP±C-C‡PSC- CḡPμP°PeC†C-C—: 16 (0,3 %) P· 6122 PiP°C†C-C“PSC,C-PI Cḡ PiCḡCḡPiC- PiPμCḡPëPSPrPsPiCḡPëP»Cḡ C,P° 12 (0,2 %) P· 6107 PiP°C†C-C“PSC,C-PI Cḡ PiCḡCḡPiC- PiP°C†C-C“PSC,C-PI, CḡPeC- PsC,CḡPëPjCḡPIP°P»Pë PiP»P°C†PμP±Ps. PḡPμCḡPμPr PiP°C†C-C“PSC,C-PI, CḡPeC- PsC,CḡPëPjCḡPIP°P»Pë PiPμCḡPëPSPrPsPiCḡPëP», PiC-PiPsC,PμPSP·C-Cḡ CḡPiPsCḡC,PμCḡC-PiP°P»P°CḡCḡ Cḡ 6 PiP°C†C-C“PSC,C-PI, P°PSPiC-PsPSPμPICḡPsC,PëC‡PSPëPNë PSP°P±CḡCḡPe Bḡ“ Cḡ 3 PiP°C†C-C“PSC,C-PI C,P° CḡP°PiC,PsPIP° P·CḡPiPëPSPeP° CḡPμCḡC†Cḡ Bḡ“ Cḡ 1 PiP°C†C-C“PSC,P°. PμP°C†C-C“PSC,Pë, CḡPeC- PiCḡPëPiPëPSPëP»Pë CḡC‡P°CḡC,Cḡ Cḡ PrPsCḡP»C-PrP¶PμPSPSC-, 6,0 % (n=366) CḡPeP°CḡP¶PëP»PëCḡCḡ PSP° PeP°C€PμP»Cḡ, P°CḡC,PμCḡC-P°P»CḡPSCḡ PiC-PiPsC,PμPSP·C-Cḡ P°P±Ps P±CḡPrCḡ-CḡPeCḡ C-PSC€Cḡ PSPμPiPμCḡPμPSPsCḡPëPjC-CḡC,Cḡ PiPμCḡPëPSPrPsPiCḡPëP»Cḡ PiPsCḡC-PIPSCḡPSPs P· 2,1 % (n=129) PiP°C†C-C“PSC,C-PI, CḡPeC- PiCḡPëPNëPjP°P»Pë PiP»P°C†PμP±Ps.

PμPsPIC-PrPsPjP»PμPSPSCḡ PiCḡPs PiPsP±C-C‡PSC- CḡPμP°PeC†C-C— PiC-CḡP»Cḡ CḡPμC“CḡC,CḡP°C†C-C— P»C-PeP°CḡCḡCḡPePsPiPs P·P°CḡPsP±Cḡ PjP°C“ PIP°P¶P»PëPIPμ P·PSP°C‡PμPSPSCḡ. PiPμ PrP°C“ P·PjPsPiCḡ PiCḡPsPIPsPrPëC,Pë PjPsPSC-C,PsCḡPëPSPi CḡPiC-PIPIC-PrPSPsC€PμPSPSCḡ PePsCḡPëCḡC,Cḡ/CḡPëP·PëPe PiCḡPë P·P°CḡC,PsCḡCḡPIP°PSPSC- C†CḡPsPiPs P»C-PeP°CḡCḡCḡPePsPiPs P·P°CḡPsP±Cḡ. PḡPμPrPëC‡PSPëPj C,P° C„P°CḡPjP°C†PμPIC,PëC‡PSPëPj PiCḡP°C†C-PIPSPëPeP°Pj, P° C,P°PePsP¶ PiP°C†C-C“PSC,P°Pj P°P±Ps C—... P·P°PePsPSPSPëPj PiCḡPμPrCḡC,P°PIPSPëPeP°Pj CḡP»C-Pr PiPsPIC-PrPsPjP»CḡC,Pë PiCḡPs CḡCḡC- PIPëPiP°PrPePë PiC-PrPsP·CḡCḡPIP°PSPëC... PiPsP±C-C‡PSPëC... CḡPμP°PeC†C-PNë C,P° PIC-PrCḡCḡC,PSPsCḡC,C- PμC„PμPeC,PëPIPSsCḡC,C- P»C-PeP°CḡCḡCḡPePsPiPs P·P°CḡPsP±Cḡ C‡PμCḡPμP· PḡPIC,PsPjP°C,PëP·PsPIP°PSCḡ C-PSC„PsCḡPjP°C†C-PNëPSCḡ CḡPëCḡC,PμPjCḡ P· C„P°CḡPjP°PePsPSP°PiP»CḡPrCḡ P·P° PiPsCḡPëP»P°PSPSCḡPj: <https://aisf.dec.gov.ua>

PḡPμCḡPjC-PS PiCḡPëPrP°C,PSPsCḡC,C-.

2 C₇PsPePë.

PJPjPsPIPë P·P±P_μC₇C-PiP°PSPSC_{II}.

P—P±P_μC₇C-PiP°C,Pë P_iC₇Pë C,P_μPjP_iP_μC₇P°C,C₇C₇C- PSP_μ PIPëC‰P_μ 30 B°C PI
PsC₇PëPiC-PSP°P»CH₃PSC-PN₂ C₇PiP°PePsPIC†C-.

P—P±P_μC₇C-PiP°C,Pë C₇ PSP_μPrPsC₇C,C₇PiPSPsPjC₇ PrP»C_{II} PrC-C,P_μPN₂ PjC-C₇C†C-.

PJPiP°PePsPIPeP°.

P_μPs 10 C,P°P±P»P_μC,PsPe C₇ P±P»C-C₇C,P_μC₇C-, P_iPs 3 P±P»C-C₇C,P_μC₇Pë C₇P°P·PsPj P·
C-PSC₇C,C₇C₇PeC†C-C”C₇ PrP»C_{II} PjP_μPrPëC†PSPsPiPs P·P°C₇C,PsC₇C₇PiP°PSPSC_{II} C₇
PiP°C†C†C- P· PeP°C₇C,PsPSC₇.

P₇P°C,P_μPiPsC₇C-C_{II} PIC-PrPiC₇C₇PeC₇.

P—P° C₇P_μC†P_μPiC,PsPj.

P’PëC₇PsP±PSPëPe.

P₇P₇ B«P₇P°C₇PjP°PeB».

**P₇C-C₇C†P_μP·PSP°C...PsPrP₇P_μPSPSC_{II} PIPëC₇PsP±PSPëPeP° C,P° P°PrC₇P_μC₇P°
PjC-C₇C†C_{II} PiC₇PsPIP°PrP₇P_μPSPSC_{II} PN₂PsPiPs PrC-C_{II}P»CH₃PSPsC₇C,C-.**

PJPeC₇P°C—PSP°, 04080, Pj. P₇PëC—PI, PIC₇P». P₇PëC₇PëP»C-PIC₇CH₃PeP°, 74.