

**PrP»CЦ PjPμPrPëC‡PSPsPiPs P•P°CíC,PscíCíPIp°PSPSCЦ P»C-PeP°CíCíCHPePsPiPs
P•P°CíPsP±Cí**

(ALITER)

$$P\propto P^{\circ}C\tilde{h}PjP^{\circ}P\epsilon P sP\tau P\ddot{e}PSP^{\circ}PjC-P\epsilon P^{\circ}.$$

РμРμСҖРөРSPPrPsPіСҖРөР» вҖҗ“ С-PSPiC-P±C-C,PsСҖ С,,РμСҖРјРμPSC,Ср, СҖРөРөPNө
 РіРμСҖРμC,PIPsСҖСҖС” Р°PSPiC-PsC,РμPSP·РөPS Р† РІ Р°PSPiC-PsC,РμPSP·РөPS Р†Р† (РҖРμРμPα).
 РμРμСҖРμC,PIPsСҖСҖРIP°P»СҖPSPөPNө С,,РμСҖРјРμPSC,, Р°P±Ps РөC-PSР°P·Р°, - С†Рμ С”
 РμРөР·PsPіРμPіC,РөРrР°P·Р°, СҖРөР° СҖРμPsP±РөC,СҖ РјPsP¶P»РөРIPөРј
 РіРμСҖРμC,PIPsСҖРμPSPSCҖ Р°PSPiC-PsC,РμPSP·РөPSCр Р† Ср
 СҖСрРrРөPSPsP·PiCрP¶CрPIP°P»СҖPSPөPNө Р°PSPiC-PsC,РμPSP·РөPS Р†Р†, Р° С,Р°РөPsP¶
 СҖРіСҖРөCҖРөPSCҖC” СҖРμPsP·РіР°Рr РIP°P·PsPrrРөP»Р°C,Р°C,PsСҖР° Р±СҖР°РrРөРөC-PSC-PSCр
 РrPs PSPμР°РөC,РөРIPSPsPiPs РіРμPіC,Р°РіРμPіC,РөРrСр. Р†PSPiC-P±CрPIP°PSPSCҖ РҖРμРμPα
 РіСҖРөР·РIPsPrrРөC,СҖ РrPs Р·РјРμPSCєРμPSPSCҖ РөPsPSC†РμPSC,СҖР°C†C-C—
 Р°PSPiC-PsC,РμPSP·РөPSCр Р†Р† Ср РіР»P»Р°P·РјC- РөCҖРμPsPIC-, C%Ps РіC-РrPIPөC%СрC”
 Р°РөC,РөРIPSC-СҖC,СҖ СҖРμPSC-PSCр Ср РіР»P»Р°P·РјC- РөCҖРμPsPIC- (Р·Р° СҖР°C...CрPSPsРө
 РіСҖРөРөPіPSC-CҖРμPSPSCҖ PSPμPіP°C,РөРIPSPsPiPs Р·РIPsСҖРμC,PSPsPiPs
 Р·РІвҖҗ™ СҖР·РөCр PSP° РIPөPIC-P»СҖPSPμPSPSCҖ СҖРμPSC-PSCр) С,Р° Р·PSPөP¶CрC”
 СҖРμРөCҖРμC†C-CҖ Р°P»СҖРrPsCҖC,РμСҖРμPSCр. РҖСҖРөC-P»СҖРөРө РҖРμРμPα
 C-PSР°РөC,РөРіCрC” Р±СҖР°РrРөРөC-PSC-PS, C-PSPiC-P±CрPIP°PSPSCҖ РҖРμРμPα С,Р°РөPsP¶
 РіСҖРөРөР·РIPsPrrРөC,СҖ РrPs РіC-РrPIPөC%РμPSPSCҖ Р°РөC,РөРIPSPsCҖC,C-
 С†РөCҖРөCрP»CҖCҖCҖPsC— С,Р° РјC-СҖC†РμPіPsC—
 РөР°P»C-РөCҖРμC—PSPөC-PSC-PSPsPIPsC— СҖРөCҖC,РμРјРө (C- С,Р°РөРөРј CҖРөPSPsРј
 С,Р°РөPsP¶ РіСҖРөРөР·РIPsPrrРөC,СҖ РrPs Р°РөC,РөРIP°C†C-C— СҖРөCҖC,РμРјРө
 РіСҖРμCҖC,Р°РіP»P°PSPrrРөPSC-PI). РіРμPNө РјРμC...P°PSC-Р·Рј РrC-C— Р·CрРјPsPіP»CҖC”
 Р·PSPөP¶РμPSPSCҖ Р°CҖC,РμСҖC-Р°P»СҖPSPsPiPs С,РөCҖРөCр C-PSPiC-P±C-C,PsСҖР°РјРө
 РҖРμРμPα C- CҖР°CҖC,РөPsPIPs PIC-РrPіPsPIC-РrР°C” Р·Р° РіPsCҖPICр РrРμCҖРөРөC...
 РіPsP±C-CҖPSPөC... РμC,,РμРөC,C-PI (PSP°РіСҖРөРөP»Р°Рr, РөР°CєP»CҖC).

РμРμСҖРөРSPPrPsPіСҖРөР»Cр С,РμСҖC,-P±CрC,РөP»Р°РјC-PS РrC-C” CҖРμСҖРμP· СҖРіC-PNө
 Р°РөC,РөРIPSPөPNө РјРμC,Р°P±PsP»C-C, вҖҗ“ РіРμСҖРөРSPPrPsPіСҖРөР»Р°C,. Р†PSCєC- Р¶
 РјРμC,Р°P±PsP»C-C,Рө PSPμ РrРμРјPsPSCҖC,СҖCрCҖC,СҖ Р°РөC,РөРIPSPsCҖC,C- РІ
 C-PSPiC-P±CрPIP°PSPSC- РҖРμРμPα РІ РμРөCҖРіРіРμСҖРөРјРμPSC,Р°P»СҖPSPөC... СрРјPsPіP°C....

РҖСҖC,РμСҖC-Р°P»СҖPSP° РіC-РіРμСҖC,РμPSP·C-СҖ.

РμРμСҖРөРSPPrPsPіСҖРөР» РμC,,РμРөC,РөРIPSPs Р·PSPөP¶CрC” Р°CҖC,РμСҖC-Р°P»СҖPSPөPNө
 С,РөCҖРө РіСҖРө РіCҖC-C... СҖC,СрРіРμPSCҖC... Р°CҖC,РμСҖC-Р°P»СҖPSPsC—
 РіC-РіРμСҖC,РμPSP·C-C—: Р»РμPіРөPsPјCр, РіPsPјC-СҖPSPsPјCр С,Р° С,СҖР¶РөPsPјCр;
 Р·PSPөP¶РμPSPSCҖ СҖРөCҖC,PsP»C-CҖPSPsPiPs С,Р° РrC-Р°CҖC,PsP»C-CҖPSPsPiPs
 Р°CҖC,РμСҖC-Р°P»СҖPSPsPiPs С,РөCҖРөCр СҖРіPsCҖC,РμСҖC-РіР°C”C,СҖCҖCҖ, СҖРө Ср
 РіPsP»PsP¶РμPSPSC- Р»РμP¶Р°CҖРө, С,Р°Рө C- Ср РіPsP»PsP¶РμPSPSC- СҖC,PsCҖCҖРө.

РμРμСҖРөРSPPrPsPіСҖРөР» Р·РјРμPSCєCрC” PsPіC-СҖ РіРμСҖРөC,,РμСҖРөCҖPSPөC...
 СҖСрРrРөPS, C%Ps РіСҖРөРөР·РIPsPrrРөC,СҖ РrPs Р·PSPөP¶РμPSPSCҖ
 Р°CҖC,РμСҖC-Р°P»СҖPSPsPiPs С,РөCҖРөCр. Р’PSP°CҖP»C-РrPsРө C†СҖРөPsPiPs
 Р·Р±C-Р»СҖCєCрC”C,СҖCҖCҖ РіРμСҖРөC,,РμСҖРөCҖPSPөPNө РөCҖРμPsPіPsC,C-Рө Р±РμP·
 РIPіP»РөРіCр PSP° CҖР°CҖC,PsC,Ср СҖРμСҖC†РμPіPөC... СҖРөPsСҖРμPSCҖРμPSCҖ.

Р—Р°Р·РIPөCҖР°PNө, Р·Р±C-Р»СҖCєCрC”C,СҖCҖCҖ C- PSPөCҖРөPsPіPөPNө РөCҖРμPsPіPsC,C-Рө,
 Ср С,PsPNө CҖР°CҖ СҖРө CєРIPөРrРөC-СҖC,СҖ РөP»CрP±PsCҖРөPsPіPsC—
 С,,C-Р»СҖC,СҖР°C†C— (РөРҖPα) Р·Р°Р·РIPөCҖР°PNө PSPμ Р·РјC-PSCҖC”C,СҖCҖCҖ.

РҖР°РөCҖРөРјР°P»СҖPSPөPNө Р°PSC,РөРіC-РіРμСҖC,РμPSP·РөРIPSPөPNө РμC,,РμРөC,
 СҖРμPsP·РIPөPіP°C”C,СҖCҖCҖ CҖРμСҖРμP· 4вҖҗ“6 РіPsPrrРөPS РіC-СҖР»CҖ
 PsPrrPSPsСҖР°P·PsPіPsPіPs РіСҖРөPNөPsPјCр Р»C-РөР°CҖCҖСҖРөPsPiPs Р·Р°CҖPsP±Cр

C,P° P·P±PμCḡC-PiP°C" C,CHCÍCḡ C%PsPSP°PNḡPjPμPSC€Pμ 24 PiPsPrPëPSPë:
CÍPiC-PIPIC-PrPSPsC€PμPSPSCḡ Pŷ/P (PePsCḡPëC,Ps/PiC-Pe Bḡ" PjC-PSC-PjP°P»CHPSP°
PμC,,PμPeC,PëPIPSC-CÍC,CH/PjP°PeCÍPëPjP°P»CHPSP° PμC,,PμPeC,PëPIPSC-CÍC,CH
CÍPiCḡPsPrPsPIPḡ PrPsP±Pë) PiPμCḡPëPSPPrPsPiCḡPëP»CÍ CÍC,P°PSPsPIPëC,CH 87Bḡ"100 %.

PḡCḡC,PμCḡC-P°P»CHPSPëPNḡ C,PëCÍPe P·PSPëPḡCÍC" C,CHCÍCḡ C€PIPëPrPePs. PJ
PiP°C†C-C"PSC,C-PI, CÍ CḡPePëC... CÍPiPsCÍC,PμCḡC-PiP°PICÍCḡ PμC,,PμPeC, PiC-CÍP»Cḡ
P·P°CÍC,PsCÍCÍPIP°PSPSCḡ P»C-PeP°CḡCÍCHPePsPiPs P·P°CÍPsP±CÍ,
PSPsCḡPjP°P»C-P·P°C†C-Cḡ P°CḡC,PμCḡC-P°P»CHPSPsPiPs C,PëCÍPeCÍ
PIC-PrP±CÍPIP°C" C,CHCÍCḡ PiCḡPsC,CḡPiPsPj PjC-CÍCḡC†Cḡ C,P°
P·P±PμCḡC-PiP°C" C,CHCÍCḡ P±PμP· PIPëPSPëPePSPμPSPSCḡ
C,P°C...C-C,,C-P»P°PeCÍC-C—.

PJ CḡP°P·C- PiCḡPëPiPëPSPμPSPSCḡ P·P°CÍC,PsCÍCÍPIP°PSPSCḡ PiPμCḡPëPSPPrPsPiCḡPëP»CÍ
PμC,,PμPeC, PIC-PrPjC-PSPë PSPμ PIPëPSPëPeP°C".

PμPμCḡPëPSPPrPsPiCḡPëP» P·PjPμPSC€CÍC" PiC-PiPμCḡC,CḡPsC,,C-Cḡ P»C-PIPsPiPs
C€P»CÍPSPsC†PeP°.

PḡP»C-PSC-C†PSC- PrPsCÍP»C-PrPḡPμPSPSCḡ PrPsPIPμP»Pë, C%Ps PiPμCḡPëPSPPrPsPiCḡPëP»
PjP°C" CÍCÍPrPëPSPsCḡPsP·C€PëCḡCḡPIP°P»CHPSC- PIP»P°CÍC,PëPIPsCÍC,C-. P' C-PS
PiPsPeCḡP°C% CÍC" PμP»P°CÍC,PëC†PSC-CÍC,CH PIPμP»PëPePëC... P°CḡC,PμCḡC-PNḡ C,P°
P·PjPμPSC€CÍC" CÍPiC-PIPIC-PrPSPsC€PμPSPSCḡ C,PsPIC%PëPSPë CÍC,C-PSPePë PrPs
PiCḡPsCÍPIC-C,CÍ CÍCÍPrPëPSPë PrP»Cḡ PjP°P»PëC... P°CḡC,PμCḡC-PNḡ.

P"PsPrP°C,PePsPIP° C,PμCḡP°PiC-Cḡ P· C,C-P°P·PëPrPSPëPj PrC-CÍCḡPμC,PëPePsPj
PIPëCḡPIP»CḡC" CÍPëPSPμCḡPiC-C†PSPëPNḡ PμC,,PμPeC,. PḡPsPjP±C-PSP°C†C-Cḡ
C-PSPiC-P±C-C,PsCḡP° PḡPμPα C,P° C,C-P°P·PëPrPSPsPiPs PrC-CÍCḡPμC,PëPeP° C,P°PePsPḡ
P·PjPμPSC€CÍC" CḡPëP·PëPe PiC-PiPsPeP°P»C-C" PjC-C—, CÍPiCḡPëC†PëPSPμPSPsC—
PrC-CÍCḡPμC,PëPePsPj.

PŷPμCḡC†PμPIP° PSPμPrPsCÍC,P°C,PSC-CÍC,CH.

PμPμCḡPëPSPPrPsPiCḡPëP»CÍ C,PμCḡC,-P±CÍC,PëP»P°PjC-PS P·PjPμPSC€CÍC"
CḡPsP±PsC,CÍ CÍPμCḡC†Cḡ C€P»CḡC...PsPj P·PjPμPSC€PμPSPSCḡ PiPμCḡPμPr- C,P°
PiC-CÍP»CḡPSP°PIP°PSC,P°PḡPμPSPSCḡ PSP° CÍPμCḡC†Pμ.

P"PsCÍP»C-PrPḡPμPSPSCḡ P·P° CÍC†P°CÍC,Cḡ PiP°C†C-C"PSC,C-PI C-P·
CÍPμCḡC†PμPIPsCḡ PSPμPrPsCÍC,P°C,PSC-CÍC,Cḡ
PiCḡPsPrPμPjPsPSCÍC,CḡCÍPIP°P»Pë:

- P·PjPμPSC€PμPSPSCḡ C,PëCÍPeCÍ PSP°PiPsPIPSPμPSPSCḡ PiCḡP°PIPsPiPs C,P°
P»C-PIPsPiPs C€P»CÍPSPsC†PeC-PI;
- P·PSPëPḡPμPSPSCḡ CÍPëCÍC,PμPjPSPsPiPs PiPμCḡPëC,,PμCḡPëC†PSPsPiPs PsPiPsCḡCÍ;
- P·P±C-P»CHC€PμPSPSCḡ CÍPμCḡC†PμPIPsPiPs C-PSPrPμPeCÍCÍ C,P°
PiPsPeCḡP°C%P°PSPSCḡ CÍPμCḡC†PμPIPsPiPs PIPëPePëPrCÍ;

PJ PiPsCḡC-PIPSCḡP»CHPSPëC... PrPsCÍP»C-PrPḡPμPSPSCḡC... PiPμCḡC€Pμ
PiCḡPëP·PSP°C†PμPSPSCḡ 2 PjPi PiPμCḡPëPSPPrPsPiCḡPëP»CÍ PiP°C†C-C"PSC,P°Pj C-P·

(10,1 % PīPsCḡC-PIPSCḡPSPs P· 13,8 %).

PŷP°PePsPḡ CḡPīPsCḡC,PḡCḡC-PiP°P»PsCḡCḡ PrPsCḡC,PsPIC-CḡPSPḡ P·PSPëPḡPḡPSPSCḡ
CḡPëP·PëPeCḡ PIPëPSPëPePSPḡPSPSCḡ:

- P»PḡC,P°P»CHḡPSPsPiPs P°P±Ps C-PSPIP°P»C-PrPëP·CḡCḡC±PsPiPs C-PSCḡCḡP»CHḡC,Cḡ (4 % PīPsCḡC-PIPSCḡPSPs P· 5,9 %, C%Ps PIC-PrPīPsPIC-PrP°C” P·PSPëPḡPḡPSPSCḡ CḡPëP·PëPeCḡ PSP° 33 %);

- P·P°PiP°P»CHḡPSPsC— PeC-P»CHḡPePsCḡC,C- P·PSP°C±PSPëC...
PeP°CḡPrC-PsPIP°CḡPeCḡP»CḡCḡPSPëC... PīPsPrC-PNḡ, CḡPeC- CḡPeP»P°PrP°CḡC,CHḡCḡCḡ P·
PeP°CḡPrC-PsPIP°CḡPeCḡP»CḡCḡPSPsC— CḡPjPḡCḡC,-, PSPḡP»PḡC,P°P»CHḡPSPsPiPs
C-PSC,,P°CḡPeC,Cḡ PjC-PsPeP°CḡPrP° C,P° PSPḡP»PḡC,P°P»CHḡPSPsPiPs C-PSCḡCḡP»CHḡC,Cḡ
(15 % PīPsCḡC-PIPSCḡPSPs P· 19,8 %, C%Ps PIC-PrPīPsPIC-PrP°C” P·PSPëPḡPḡPSPSCḡ
CḡPëP·PëPeCḡ PSP° 26 %);

- PrPḡPjPḡPSCḡC-C—, C%Ps PIPëPSPëPeP°C” PIPSP°CḡP»C-PrPsPe C-PSCḡCḡP»CHḡC,Cḡ (1,4 % PīPsCḡC-PIPSCḡPSPs P· 2,1 %, C%Ps PIC-PrPīPsPIC-PrP°C” P·PSPëPḡPḡPSPSCḡ
CḡPëP·PëPeCḡ PSP° 34 %), C,P° C,CḡPḡPePëC... PīPsCḡCḡCḡPḡPSCḡ PePsPiPSC-C,PëPIPSPsC—
C,,CḡPSPeCḡC-C—, C%Ps PIPëPSPëPeP°CḡC,CHḡ CḡPSP°CḡP»C-PrPsPe C-PSCḡCḡP»CHḡC,Cḡ (1,6 % PīPsCḡC-PIPSCḡPSPs P· 2,8 %, C%Ps PIC-PrPīPsPIC-PrP°C” P·PSPëPḡPḡPSPSCḡ
CḡPëP·PëPeCḡ PSP° 45 %);

- P·PSP°C±PSPëC... PePsCḡPsPSP°CḡPSPëC... PīPsPrC-PNḡ, PIPeP»CḡCḡP°CḡCḡPë
PSPḡP»PḡC,P°P»CHḡPSPëPNḡ C-PSC,,P°CḡPeC, PjC-PsPeP°CḡPrP° P°P±Ps P»PḡC,P°P»CHḡPSPëPNḡ
PSP°CḡP»C-PrPsPe, C%Ps PIC-PrP±CḡPICḡCḡ PIPSP°CḡP»C-PrPsPe C-CḡPḡPjC-C±PSPsC—
C...PIPSCḡPsP±Pë CḡPḡCḡCḡ (PḡPḡPŷ) (3,8 % PīPsCḡC-PIPSCḡPSPs P· 5 %, C%Ps
PIC-PrPīPsPIC-PrP°C” P·PSPëPḡPḡPSPSCḡ CḡPëP·PëPeCḡ PSP° 26 %).

PḡC- C,PḡCḡP°PīPḡPIC,PëC±PSC- PīPḡCḡPḡPIP°PiPë CḡPīPsCḡC,PḡCḡC-PiP°P»PëCḡCḡ Cḡ
PīP°CḡC-C”PSC,C-PI PSPḡP·P°P»PḡPḡPSPs PIC-Pr
PSP°CḡPIPSPsCḡC,C-/PIC-PrCḡCḡC,PSPsCḡC,C- P°CḡC,PḡCḡC-P°P»CHḡPSPsC—
PiC-PīPḡCḡC,PḡPSP·C-C—, PSPḡP·P°P»PḡPḡPSPs PIC-Pr PIC-PeCḡ, CḡC,P°C,C-, C,PëPīCḡ
C-PSCḡCḡP»CHḡC,Cḡ P°P±Ps PSP°CḡPIPSPsCḡC,C- CḡCḡPeCḡPsPiPsPrC-P°P±PḡC,Cḡ.
P PḡP·CḡP»CHḡC,P°C,Pë PrPsCḡP»C-PrPḡPḡPSPSCḡ PROGRESS PīPsPeP°P·P°P»Pë, C%Ps
PiC-CḡP»Cḡ 5-CḡC-C±PSPsPiPs P»C-PeCḡPIP°PSPSCḡ PjPsPḡPSP° CḡPSPëPePSCḡC,Pë
PIPëPSPëPePSPḡPSPSCḡ PsPrPSPsPiPs C-PSCḡCḡP»CHḡC,Cḡ CḡPḡCḡPḡ Pr PePsPḡPSPëC... 23
PīP°CḡC-C”PSC,C-PI C,P° PsPrPSPsPiPs CḡPḡCḡPNḡPsP·PSPsPiPs
PeP°CḡPrC-PsPIP°CḡPeCḡP»CḡCḡPSPsPiPs CḡCḡPeP»P°PrPSPḡPSPSCḡ CḡPḡCḡPḡ
PePsPḡPSPëC... 18 PīP°CḡC-C”PSC,C-PI.

PḡP°CḡC-C”PSC,Pë P·C- CḡC,P°P±C-P»CHḡPSPsCḡ C-CḡPḡPjC-C±PSPsCḡ C...PIPSCḡPsP±PsCḡ
CḡPḡCḡCḡ (PḡPḡPŷ)

EUROPA Bḡ” CḡPḡ PjC-PḡPSP°CḡPsPrPSPḡ PjCḡP»CHḡC,PëCḡPḡPSC,CḡPsPiPḡ
CḡP°PSPPrPsPjC-P·PsPIP°PSPḡ PīPsPrPIC-PNḡPSPḡ CḡP»C-PīPḡ PīP»P°CḡPḡP±Ps-
PePsPSC,CḡPsP»CHḡPsPiP°PSPḡ PeP»C-PSC-C±PSPḡ PrPsCḡP»C-PrPḡPḡPSPSCḡ, CḡPePḡ
C,CḡPëPIP°P»Ps 4 CḡPsPePë. 12218 PīP°CḡC-C”PSC,C-PI PIC-PePsPj PIC-Pr 18 CḡPsPeC-PI
P±CḡP»Pë CḡP°PSPPrPsPjC-P·PsPIP°PSC- PSP° PiCḡCḡPīPë: 6110 PīP°CḡC-C”PSC,C-PI
PīCḡPëPNḡPjP°P»Pë 8 PjPi PīPḡCḡPëPSPPrPsPiCḡPëP»Cḡ C,PḡCḡC,-P±CḡC,PëP»P°PjC-PSCḡ C,P°
6108 PīP°CḡC-C”PSC,C-PI PīCḡPëPNḡPjP°P»Pë PīP»P°CḡPḡP±Ps. Pj PrPsCḡP»C-PrPḡPḡPSPSC-
P±CḡP°P»Pë CḡCḡP°CḡC,CHḡ PīP°CḡC-C”PSC,Pë P· PiC-PrC,PIPḡCḡPrPḡPḡPSPsCḡ PḡPḡPŷ C,P°

$P \pm P_{\mu}P \cdot PeP \gg C-PSC-C \ddagger PSP \ddot{e}C \dots$ $C \acute{I}P \ddot{e}PjP \acute{I}C, PsPjC-PI$ $C \acute{I}P_{\mu}C \ddot{H}C \ddagger P_{\mu}PIP sC-$
 $PSP_{\mu}PrPsC \acute{I}C, P^{\circ}C, PSPsC \acute{I}C, C-$. $P-P^{\circ}PiP^{\circ}P \gg PsPj$, 90 % $P \acute{I}P^{\circ}C \ddagger C-C''PSC, C-PI$
 $P \acute{I}P_{\mu}C \ddot{H}P_{\mu}PSP_{\mu}C \acute{I}P \gg P \ddot{e}$ PI $P^{\circ}PSP^{\circ}PjPSP_{\mu}P \cdot C-$ $C-PSC,$ „ $P^{\circ}C \ddot{H}PeC$, $PjC-PsPeP^{\circ}C \ddot{H}PrP^{\circ}C, P^{\circ}/P^{\circ}P \pm Ps$
 $PsP \acute{I}P_{\mu}C \ddot{H}P^{\circ}C \ddagger C-C \ddot{H}$ $P \cdot C \ddot{H}P_{\mu}PIP^{\circ}C \acute{I}P eC rP \gg C \ddot{I}C \ddot{H}P \ddot{e}P \cdot P^{\circ}C \ddagger C-C-$. $P^{\circ}C-P \gg CHC \ddot{e}C-C \acute{I}C, CH$
 $P \acute{I}P^{\circ}C \ddagger C-C''PSC, C-PI$ Cr $PrPsC \acute{I}P \gg C-PrP \P P_{\mu}PSPSC-$ $PsC, C \ddot{H}P \ddot{e}PjC rPIP^{\circ}P \gg P^{\circ}$
 $P \acute{I}P_{\mu}C \ddot{H}P \ddot{e}PSP rPsP \acute{I}C \ddot{H}P \ddot{e}P \gg$ $PrPsPrP^{\circ}C, PePsPIP s$ $PrPs$ $C \acute{I}C, P^{\circ}PSP rP^{\circ}C \ddot{H}C, PSP sC-$
 $C, P_{\mu}C \ddot{H}P^{\circ}P \acute{I}C-C-$: $PrP_{\mu}P \cdot P^{\circ}P \acute{I}C \ddot{H}P_{\mu}P \acute{I}P^{\circ}PSC, C-PI$, $P \acute{I}C-P \acute{I}PsP \gg C-P \acute{I}C-PrP_{\mu}PjC-C \ddagger PSP \ddot{e}C \dots$
 $P \gg C-PeP^{\circ}C \ddot{H}C \acute{I}CH PeP \ddot{e}C \dots$ $P \cdot P^{\circ}C \acute{I}PsP \pm C-PI$ C, P° $\beta-P \pm P \gg PsPeP^{\circ}C, PsC \ddot{H}C-PI$.

$P \hbar C \acute{I}PSP sPIPSP \ddot{e}Pj$ $PeC \ddot{H}P \ddot{e}C, P_{\mu}C \ddot{H}C-C''Pj$ $P_{\mu}C,$ „ $P_{\mu}PeC, P \ddot{e}PIPSP sC \acute{I}C, C-$ $P \pm CrP \gg Ps$
 $PIC \acute{I}C, P^{\circ}PSP sPIP \gg P_{\mu}PSP s$ $C \acute{I}C rPeC rP \acute{I}PSC r$ $PsC \ddagger C-PSP eC r$ $PIP \ddot{e}PSP \ddot{e}PePSP_{\mu}PSPSC \ddot{I}$
 $C \acute{I}P_{\mu}C \ddot{H}C \ddagger P_{\mu}PIP s-C \acute{I}C rPrP \ddot{e}PSPSP sC-$ $P \gg P_{\mu}C, P^{\circ}P \gg CHPSP sC \acute{I}C, C-$, $PSP_{\mu}P \gg P_{\mu}C, P^{\circ}P \gg CHPSP sPiPs$
 $C-PSC,$ „ $P^{\circ}C \ddot{H}PeC, Cr$ $PjC-PsPeP^{\circ}C \ddot{H}PrP^{\circ}C, P^{\circ}/P^{\circ}P \pm Ps$ $P \cdot CrP \acute{I}P \ddot{e}PSP eP \ddot{e}$ $C \acute{I}P_{\mu}C \ddot{H}C \ddagger C \ddot{I}$ $P \cdot$
 $P \acute{I}PsPrP^{\circ}P \gg CHC \ddot{e}P \ddot{e}Pj$ $C rC \acute{I}P \acute{I}C-C \ddot{e}PSP \ddot{e}Pj$ $P \cdot P^{\circ}P \acute{I}C rC \acute{I}PePsPj$. $P-P^{\circ}C \acute{I}C, PsC \acute{I}C rPIP^{\circ}PSPSC \ddot{I}$
 $P \acute{I}P_{\mu}C \ddot{H}P \ddot{e}PSP rPsP \acute{I}C \ddot{H}P \ddot{e}P \gg CrB$ PI $PrPsP \cdot C-$ 8 $PjPi$ $PsPrP \ddot{e}PS$ $C \ddot{H}P^{\circ}P \cdot PSP^{\circ}$ $PrPsP \pm Cr$
 $P \acute{I}C \ddot{H}P \ddot{e}P \cdot PIP_{\mu}P \gg Ps$ $PrPs$ $PrPsC \acute{I}C, PsPIC-C \ddot{H}PSP sPiPs$ $P^{\circ}P \pm C \acute{I}PsP \gg CHC, PSP sPiPs$
 $P \cdot PjP_{\mu}PSC \ddot{e}P_{\mu}PSPSC \ddot{I}$ $P \acute{I}PsPeP^{\circ}P \cdot PSP \ddot{e}PeP^{\circ}$ $P \acute{I}P_{\mu}C \ddot{H}PIP \ddot{e}PSPSP sC-$ $PeC-PSC \ddagger P_{\mu}PIP sC-$
 $C, PsC \ddagger PeP \ddot{e}$ $PrPsC \acute{I}P \gg C-PrP \P P_{\mu}PSPSC \ddot{I}$ PSP° 1,9 % ($P \cdot PjP_{\mu}PSC \ddot{e}P_{\mu}PSPSC \ddot{I}$
 $PIC-PrPSP sC \acute{I}PSP sPiPs$ $C \ddot{H}P \ddot{e}P \cdot P \ddot{e}PeC r$ PSP° 20 %, 95 % $P \acute{Y}P \ddagger [9,4; 28,6]$ $\text{в} \ddot{H}$ “ $p < 0,001$).

Pj $P \acute{I}P^{\circ}C \ddagger C-C''PSC, C-PI$ $P \cdot C-PSC,$ „ $P^{\circ}C \ddot{H}PeC, PsPj$ $PjC-PsPeP^{\circ}C \ddot{H}PrP^{\circ}C, P^{\circ}/P^{\circ}P \pm Ps$
 $C \ddot{H}P_{\mu}PIP^{\circ}C \acute{I}P eC rP \gg C \ddot{I}C \ddot{H}P \ddot{e}P \cdot P^{\circ}C \ddagger C-C''C \ddot{H}$ PI $P^{\circ}PSP^{\circ}PjPSP_{\mu}P \cdot C-$
 $C \acute{I}P \acute{I}PsC \acute{I}C, P_{\mu}C \ddot{H}C-P \acute{I}P^{\circ}P \gg PsC \acute{I}C \ddot{I}$ $P^{\circ}P \pm C \acute{I}PsP \gg CHC, PSP_{\mu}$ $P \cdot PSP \ddot{e}P \P P_{\mu}PSPSC \ddot{I}$ PSP° 2,2 %
 $P \acute{I}PsPeP^{\circ}P \cdot PSP \ddot{e}PeP^{\circ}$ $P \acute{I}P_{\mu}C \ddot{H}PIP \ddot{e}PSPSP sC-$ $PeC-PSC \ddagger P_{\mu}PIP sC-$ $C, PsC \ddagger PeP \ddot{e}$, $C\%Ps$
 $PIC-PrP \acute{I}PsPIC-PrP^{\circ}C$ “ $P \cdot PSP \ddot{e}P \P P_{\mu}PSPSC \ddot{H}$ $PIC-PrPSP sC \acute{I}PSP sPiPs$ $C \ddot{H}P \ddot{e}P \cdot P \ddot{e}PeC r$ PSP° 22,4 %
(95 % $P \acute{Y}P \ddagger [12,0; 31,6]$ $\text{в} \ddot{H}$ “ $p < 0,001$) $P \acute{I}PsC \ddot{H}C-PIPSC \ddot{I}PSP s$ $P \cdot P \acute{I}P \gg P^{\circ}C \ddagger P_{\mu}P \pm Ps$.

$P-P^{\circ}C \acute{I}C, PsC \acute{I}C rPIP^{\circ}PSPSC \ddot{I}$ $PrC-C, C \ddot{I}Pj$.

$P^{\circ}P_{\mu}P \cdot P \acute{I}P_{\mu}PeC r$ C, P° $P_{\mu}C,$ „ $P_{\mu}PeC, P \ddot{e}PIPSC-C \acute{I}C, CH$ $P \cdot P^{\circ}C \acute{I}C, PsC \acute{I}C rPIP^{\circ}PSPSC \ddot{I}$
 $P \acute{I}P_{\mu}C \ddot{H}P \ddot{e}PSP rPsP \acute{I}C \ddot{H}P \ddot{e}P \gg Cr$ Cr $PrC-C, P_{\mu}P \ddot{N} \ddot{e}$ C, P° $P \acute{I}C-PrP \gg C-C, PeC-PI$ $PIC-PePsPj$ $PrPs$ 18
 $C \ddot{H}PsPeC-PI$ $PIC \acute{I}C, P^{\circ}PSP sPIP \gg P_{\mu}PSP s$ PSP_{μ} $P \pm CrP \gg Ps$.

Pj $PIC-PrPeC \ddot{H}P \ddot{e}C, PsPjC r$ $PeP \gg C-PSC-C \ddagger PSP sPjC r$ $PrPsC \acute{I}P \gg C-PrP \P P_{\mu}PSPSC-$ $P \pm P_{\mu}P \cdot P \acute{I}C \ddot{H}C rP \acute{I}$
 $P \acute{I}PsC \ddot{H}C-PIPSC \ddot{I}PSPSC \ddot{I}$ 62 $PrC-C, C \ddot{I}Pj$ $PIC-PePsPj$ $PIC-Pr$ 2 $PrPs$ 15 $C \ddot{H}PsPeC-PI$, Cr $C \ddot{I}PeP \ddot{e}C \dots$
 $P \ddot{e}P \ddot{H}P \alpha$ $C \acute{I}C, P^{\circ}PSP sPIP \ddot{e}P \gg P^{\circ}$ > 30 $PjP \gg /C \dots PI/1,73$ Pj^2 , $P \acute{I}C \ddot{H}P \ddot{e}P \cdot PSP^{\circ}C \ddagger P^{\circ}P \gg P \ddot{e}$
 $P \acute{I}P_{\mu}C \ddot{H}P \ddot{e}PSP rPsP \acute{I}C \ddot{H}P \ddot{e}P \gg$ Cr $C \acute{I}P_{\mu}C \ddot{H}P_{\mu}PrPSC-P \ddot{N} \ddot{e}$ $PrPsP \cdot C-$ 0,07 $PjPi/PePi$. $P''PsP \cdot Cr$
 $P \gg C-PeP^{\circ}C \ddot{H}C \acute{I}CH PePsPiPs$ $P \cdot P^{\circ}C \acute{I}PsP \pm Cr$ $P \acute{I}C-PrP \pm P \ddot{e}C \ddot{H}P^{\circ}P \gg P \ddot{e}$
 $C-PSP rP \ddot{e}PIC-PrC rP^{\circ}P \gg CHPSP s$, $P \acute{I}C-PrPIP \ddot{e}C\%CrC \ddot{H}C \ddagger P \ddot{e}$ $PrPs$ $PjP^{\circ}PeC \acute{I}P \ddot{e}PjP^{\circ}P \gg CHPSP sC-$
0,135 $PjPi/PePi/PrPsP \pm Cr$ $P \cdot P^{\circ}P \gg P_{\mu}P \P PSP s$ $PIC-Pr$ $P \acute{I}C \ddot{H}PsC,$ „ $C-P \gg CH$ $P \acute{I}P^{\circ}C \ddagger C-C''PSC, P^{\circ}$ C, P°
 $PIC-PrP \acute{I}PsPIC-PrC-$ $P^{\circ}C \ddot{H}C, P_{\mu}C \ddot{H}C-P^{\circ}P \gg CHPSP sPiPs$ $C, P \ddot{e}C \acute{I}P eC r$ PSP° $P \gg C-PeC rPIP^{\circ}PSPSC \ddot{I}$. 59
 $P \acute{I}P^{\circ}C \ddagger C-C''PSC, C-PI$ $P \pm C \ddot{H}P^{\circ}P \gg P \ddot{e}$ $CrC \ddagger P^{\circ}C \acute{I}C, CH$ Cr $PrPsC \acute{I}P \gg C-PrP \P P_{\mu}PSPSC-$
 $P \acute{I}C \ddot{H}PsC, C \ddot{I}PiPsPj$ 3 $PjC-C \acute{I}C \ddot{I}C \ddagger C-PI$, 36 $P \acute{I}P^{\circ}C \ddagger C-C''PSC, C-PI$ $P \acute{I}C \ddot{H}PsPrPsPIP \P P \ddot{e}P \gg P \ddot{e}$
 $P \gg C-PeC rPIP^{\circ}PSPSC \ddot{I}$ $C \ddot{I}Pe$ $PjC-PSC-PjC rPj$ $PrPs$ 24 $PjC-C \acute{I}C \ddot{I}C \ddagger C-PI$ ($C \acute{I}P_{\mu}C \ddot{H}P_{\mu}PrPSC \ddot{I}$
 $C, C \ddot{H}P \ddot{e}PIP^{\circ}P \gg C-C \acute{I}C, CH$ $PrPsC \acute{I}P \gg C-PrP \P P_{\mu}PSPSC \ddot{I}$ $C \acute{I}C, P^{\circ}PSP sPIP \ddot{e}P \gg P^{\circ}$ 44 $PjC-C \acute{I}C \ddot{I}C \ddagger C-$).
 $P \acute{Y}P \ddot{e}C \acute{I}C, PsP \gg C-C \ddagger PSP \ddot{e}P \ddot{N} \ddot{e}$ C, P° $PrC-P^{\circ}C \acute{I}C, PsP \gg C-C \ddagger PSP \ddot{e}P \ddot{N} \ddot{e}$ $P^{\circ}C \ddot{H}C, P_{\mu}C \ddot{H}C-P^{\circ}P \gg CHPSP \ddot{e}P \ddot{N} \ddot{e}$
 $C, P \ddot{e}C \acute{I}Pe$ $P \cdot P^{\circ}P \gg P \ddot{e}C \ddot{e}P^{\circ}PIC \acute{I}C \ddot{I}$ $C \acute{I}C, P^{\circ}P \pm C-P \gg CHPSP \ddot{e}Pj$ ($PIC-Pr$ $PjPsPjP_{\mu}PSC, Cr$
 $PIP eP \gg CHC \ddagger P_{\mu}PSPSC \ddot{I}$ $P \acute{I}P^{\circ}C \ddagger C-C''PSC, P^{\circ}$ Cr $PrPsC \acute{I}P \gg C-PrP \P P_{\mu}PSPSC \ddot{I}$ $PrPs$
 $PsC \acute{I}C, P^{\circ}PSPSCH sPiPs$ $PIC-P \cdot P \ddot{e}C, Cr$) Cr $P \acute{I}P^{\circ}C \ddagger C-C''PSC, C-PI$, $C \ddot{I}PeC-$ $P \acute{I}PsP \acute{I}P_{\mu}C \ddot{H}P_{\mu}PrPSC \ddot{H}Ps$
 $P \gg C-PeC rPIP^{\circ}P \gg P \ddot{e}C \acute{I}C \ddot{I}$ $C-PSC \ddot{e}P \ddot{e}PjP \ddot{e}$ $P^{\circ}PSC, P \ddot{e}P \acute{I}C-P \acute{I}P_{\mu}C \ddot{H}C, P_{\mu}PSP \cdot P \ddot{e}PIPSP \ddot{e}PjP \ddot{e}$
 $P \gg C-PeP^{\circ}C \ddot{H}C \acute{I}CH PeP \ddot{e}PjP \ddot{e}$ $P \cdot P^{\circ}C \acute{I}PsP \pm P^{\circ}PjP \ddot{e}$ C, P° $P \cdot PSP \ddot{e}P \P CrPIP^{\circ}PIC \acute{I}C \ddot{I}$ Cr
 $P \acute{I}P^{\circ}C \ddagger C-C''PSC, C-PI$, $C \ddot{I}PeC-$ $P \acute{I}PsP \acute{I}P_{\mu}C \ddot{H}P_{\mu}PrPSC \ddot{H}Ps$ PSP_{μ} $PsC, C \ddot{H}P \ddot{e}PjC rPIP^{\circ}P \gg P \ddot{e}$

P»C–PeCfPIP°PSPSCЦ. P’C–P»CHC€Pμ 75 % PrC–C,PμPNε PjP°P»Pë CÍPëCÍC,PSP»C–C‡PSPëPNε C,P° PrC–P°CÍC,PSP»C–C‡PSPëPNε P°CȚC,PμCȚC–P°P»CHPSPëPNε C,PëCÍPe PSPëP¶C‡Pμ 95–PiPs PíPμCȚC‡PμPSC,PëP»CЦ PíC–Pr C‡P°CÍ C—C... PsCÍC,P°PSPSCHPsPiPs PIC–P·PëC,Cr Cr PrPsCÍP»C–PrP¶PμPSPSC–. PμCȚPsC,,C–P»CH P±PμP·PíPμPePë P·P°CÍC,PScÍCfPIP°PSPSCЦ Cr PrC–C,PμPNε PIC–PrPíPsPIC–PrP°PI PIC–PrPsPjPsPjCr PíCȚPsC,,C–P»CH P±PμP·PíPμPePë PíPμCȚPëPSPPrPsPíCȚPëP»Cr.

PαP°CȚPjP°PePsPeC–PSPμC,PëPeP°.

PħP±CÍPsCȚP±C‡C–CЦ.

PμC–CÍP»CЦ PíPμCȚPsCȚP°P»CHPSPsPiPs PíCȚPëPNεPsPjCr PíPμCȚPëPSPPrPsPíCȚPëP» C€PIPëPrPePs PICÍPjPsPeC,CrC”C,CHCÍCЦ, PjP°PeCÍPëPjP°P»CHPSP° PePsPSC‡PμPSC,CȚP°C‡C–CЦ Cr PíP»P°P·PjC– PeCȚPsPIC– PrPsCÍCЦPíP°C”C,CHCÍCЦ PíCȚPsC,CЦPiPsPj 1 PiPsPrPëPSPë. PμPμCȚC–PsPr PSP°PíC–PICȚPsP·PíP°PrCr PíPμCȚPëPSPPrPsPíCȚPëP»Cr Cr PíP»P°P·PjC– PeCȚPsPIC– CÍC,P°PSPsPIPëC,CH 1 PiPsPrPëPSCr.

PμPμCȚPëPSPPrPsPíCȚPëP» C” PíCȚPsP»C–PeP°CȚCÍCHPePëPj P·P°CÍPsP±PsPj. 27 % PIC–Pr P·P°PíP°P»CHPSPsC— PeC–P»CHPePsCÍC,C– PíCȚPëPNεPSCЦC,PSPiPs PíPμCȚPëPSPPrPsPíCȚPëP»Cr PIPëP·PSP°C‡P°C”C,CHCÍCЦ PI PeCȚPsPIC– Cr PIPëPiP»CЦPrC– P°PeC,PëPIPSsPiPs PjPμC,P°P±PsP»C–C,Cr BȚ” PíPμCȚPëPSPPrPsPíCȚPëP»P°C,Cr. PȚCȚC–Pj P°PeC,PëPIPSsPiPs PjPμC,P°P±PsP»C–C,Cr BȚ” PíPμCȚPëPSPPrPsPíCȚPëP»P°C,Cr, P»C–PeP°CȚCÍCHPePëPNε P·P°CÍC–P± CrC,PIPsCȚCHC” 5 PjPμC,P°P±PsP»C–C,C–PI, CЦPeC– C” PSPμP°PeC,PëPIPSPëPjPë. PħP°PeCÍPëPjP°P»CHPSP° PePsPSC‡PμPSC,CȚP°C‡C–CЦ PíPμCȚPëPSPPrPsPíCȚPëP»P°C,Cr Cr PíP»P°P·PjC– PeCȚPsPIC– PrPsCÍCЦPíP°C”C,CHCÍCЦ C‡PμCȚPμP· 3BȚ”4 PiPsPrPëPSPë PíC–CÍP»CЦ PíCȚPëPNεPsPjCr.

P’P¶PëPIP°PSPSCЦ C–P¶C– P·PjPμPSC€CrC” PíPμCȚPμC,PIPsCȚPμPSPSCЦ PíPμCȚPëPSPPrPsPíCȚPëP»Cr Cr PíPμCȚPëPSPPrPsPíCȚPëP»P°C,, PsC,P¶Pμ, P·PjPμPSC€CrC”C,CHCÍCЦ PNεPsPiPs P±C–PsPrPsCÍC,CrPíPSC–CÍC,CH, C,PSPjCr PrPsP±PsPICr PrPsP·Cr PíPμCȚPëPSPPrPsPíCȚPëP»Cr C,PμCȚC,-P±CrC,PëP»P°PjC–PSCr CȚPμPePsPjPμPSPPrCrC”C,CHCÍCЦ PíCȚPëPNεPjP°C,Pë PsPrPSPsCȚP°P·PsPIPs PICȚP°PSC‡C– PíPμCȚPμPr C–PrPsCH.

P’C–PrP·PSP°C‡P°C”C,CHCÍCЦ P»C–PSC–PNεPSP° P·P°P»PμP¶PSC–CÍC,CH PjC–P¶ PrPsP·PsCH PíPμCȚPëPSPPrPsPíCȚPëP»Cr C,P° PNεPsPiPs PePsPSC‡PμPSC,CȚP°C‡C–C”CH Cr PíP»P°P·PjC– PeCȚPsPIC–.

P PsP·PíPsPrC–P».

PħP±BȚ™ C”Pj CȚPsP·PíPsPrC–P»Cr PSPμP·PIBȚ™ CЦP·P°PSPsPiPs PíPμCȚPëPSPPrPsPíCȚPëP»P°C,Cr CÍC,P°PSPsPIPëC,CH PíCȚPëP±P»PëP·PSPs 0,2 P»/PePi. P—PIBȚ™ CЦP·CrPIP°PSPSCЦ PíPμCȚPëPSPPrPsPíCȚPëP»P°C,Cr P· P±C–P»PeP°PjPë PíP»P°P·PjPë PeCȚPsPIC– CÍC,P°PSPsPIPëC,CH 20 %, PiPsP»PsPIPSPëPj C‡PëPSPsPj P· PħPμPα, P°P»Pμ C‡PμPNε PíPsPeP°P·PSPëPe C” PrPsP·PsP·P°P»PμP¶PSPëPj.

P’PëPIPμPrPμPSPSCЦ.

PμPμCȚPëPSPPrPsPíCȚPëP»P°C, PIPëPIPsPrPëC,CHCÍCЦ C–P· CÍPμC‡PμCH. PμPμCȚC–PsPr

PsCfC,P°C,PScPSPsPiPs PSp°PíC-PIPIPëPIPµPrPµPSPSCl PSpµP·PiB™ ClP·P°PSPsC—
C,,CfP°PeC†C-C— CfC,P°PSPsPIPëC,Ch PiCfPëP±P»PëP·PSPs 17 PiPsPrPëPS. PŸC,P°PrC-Cl
CfC-PIPSPsPIP°P¶PSPsC— PePsPSC†PµPSC,CfP°C†C-C— Cr PiP»P°P·PjC- PeCfPsPIC-
PSP°CfC,P°C” C†PµCfPµP· 4 PrPSC- PIC-Pr PiPsC†P°C,PeCr P»C-PeCrPIP°PSPSCl.

PhCfPsP±P»PëPIC- PiCfCrPiPë PiP°C†C-C”PSC,C-PI.

P’PëPIPµPrPµPSPSCl PiPµCfPëPSPPrPsPiCfPëP»P°C,Cr CfPiPsPIC-P»ChPSCfC”C,ChCfCl Cf
PiP°C†C-C”PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeCr, P° C,P°PePsP¶ Cf PiP°C†C-C”PSC,C-PI C-P·
CfPµCfC†PµPIPsCf P°P±Ps PSPëCfPePsPIPsCf PSpµPrPsCfC,P°C,PSC-CfC,Cf.
P PµPePsPjPµPSPPrPsPIP°PSPs PiC-PrP±PëCfP°C,Pë PrPsP·Cr PrP»Cl PiP°C†C-C”PSC,C-PI P·
PSPëCfPePsPIPsCf PSpµPrPsCfC,P°C,PSC-CfC,Cf, PICfP°C...PsPIC†CfC†Pë CfC,CrPiC-PSCH
PSPµPrPsCfC,P°C,PSPsCfC,C- (PeP»C-CfPµPSCfCr PeCfPµP°C,PëPSC-PSCr).

P”C-P°P»C-P·PSPëPN PeP»C-CfPµPSCf PiPµCfPëPSPPrPsPiCfPëP»P°C,Cr Bf” 70 PjP»/C...PI.

PµC-PSPµC,PëPeP° PiPµCfPëPSPPrPsPiCfPëP»Cr P·PjC-PSCfC”C,ChCfCl Cf
C...PIPsCfPëC... PSP° C†PëCfPsP· PiPµC†C-PSPePë: PiPµC†C-PSPePsPIPëPN
PeP»C-CfPµPSCf PiPµCfPëPSPPrPsPiCfPëP»Cr P·PjPµPSC€CfC”C,ChCfCl
PIPrPIC-C†C-. PhPrPSP°Pe PeC-P»ChPeC-CfC,Ch PiPµCfPëPSPPrPsPiCfPëP»P°C,Cr,
C%Ps CrC,PIPsCfCfC”C,ChCfCl, PSpµ P·PjPµPSC€CfC”C,ChCfCl. PhC,P¶Pµ,
C,P°PePëPj C...PIPsCfPëPj PSpµ PiPsC,CfC-P±PSPs PePsCfPëPiCrPIP°C,Pë PrPsP·Cr.

PµP»C-PSC-C†PSC- C...P°CfP°PeC,PµCfPëCfC,PëPePë.

PµPsPeP°P·P°PSPSCl.

- PµCfC,PµCfC-P°P»ChPSP° PiC-PiPµCfC,PµPSP·C-Cl.
- PŸPµCfC†PµPIP° PSpµPrPsCfC,P°C,PSC-CfC,Ch.
- P—P°PiPsP±C-PiP°PSPSCl PIPëPSPëPePSPµPSPSCf PiPsPIC,PsCfPSPsPiPs
C-PSCfCrP»ChC,Cr Cr PiP°C†C-C”PSC,C-PI P· C†PµCfPµP±CfPsPIP°CfPeCrP»ClCfPSPëPjPë
P·P°C...PIPsCfCfPIP°PSPSClPjPë.
- P—P°PiPsP±C-PiP°PSPSCl CfPµCfC†PµPIPs-CfCrPrPëPSPSPëPj
CfCfPeP»P°PrPSPµPSPSClPj Cr PiP°C†C-C”PSC,C-PI P· PrPsPeCrPjPµPSC,P°P»ChPSPs
PiC-PrC,PIPµCfPrP¶PµPSPsCf CfC,P°P±C-P»ChPSPsCf C-C€PµPjC-C†PSPsCf
C...PIPsCfPsP±PsCf CfPµCfC†Cl.

P”PsPIPiPsC,CfPëPIP°P»Pµ P»C-PeCrPIP°PSPSCl P·PjPµPSC€CfC” CfPëP·PëPe
PIPëPSPëPePSPµPSPSCl C-PSC,,P°CfPeC,Cr PjC-PsPeP°CfPrP° C,P° CfPµCfC†PµPIPsC—
PSPµPrPsCfC,P°C,PSPsCfC,C- (P·P° CfPµP·CrP»ChC,P°C,P°PjPë PrPsCfP»C-PrP¶PµPSPSCl
EUROPA).

PµCfPsC,PëPiPsPeP°P·P°PSPSCl.

- PµC-PrPIPëC%PµPSP° C†CrC,P»PëPIC-CfC,Ch PrPs PiPµCfPëPSPPrPsPiCfPëP»Cr P°P±Ps
PrPs P±CrPrCh-ClPePsC— P· PrPsPiPsPjC-P¶PSPëC... CfPµC†PsPIPëPS

P»C-PeP°CḡCfCHbPePsPiPs P·P°CfPsP±Cf, P°P±Ps PrPs P±CfPrCHb-CḡPePsPiPs C-PSC€PsPiPs C-PSPIc-P±C-C,PsCḡP° PhPμPα;

- P°PSPiC-PsPSPμPICḡPsC,PēC±PSPēPNē PSP°P±CḡCḡPe PI P°PSP°PjPSPμP·C-, PīPsPIbḡ™ CḡP·P°PSPēPNē C-P· PīPsPīPμCḡPμPrPSC-Pj P»C-PeCfPIP°PSPSCḡPj C-PSPIc-P±C-C,PsCḡPsPj PhPμPα (PrPēPI. CḡPsP·PrC-P» B«PhCfPsP±P»PēPIPsCfC,C-P·P°CfC,PsCfCfPIP°PSPSCḡB»);

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

- PsPrPSPsC±P°CfPSPμ P·P°CfC,PsCfCfPIP°PSPSCḡ P· P»C-PeP°CḡCfCHbPePēPjPē P·P°CfPsP±P°PjPē, C%Ps PjC-CfC,CḡC,CH PrC-CHC±Cf CḡPμC±PsPIPēPSCf P°P»C-CfPeC-CḡPμPS, PīP°CfC-C"°PSC,P°Pj C-P· CfCfPeCḡPsPIPēPj PrC-P°P±PμC,PsPj, P°P±Ps P· PīPsCḡCfC€PμPSPSCḡPjPē C,,CfPSPeCfC-C— PSPēCḡPsPe (PēPḡPα < 60 PjP»/C...PI/1,73 Pj²) (PrPēPI. CḡPsP·PrC-P» B«P'P·P°C"PjPsPrC-Cḡ P· C-PSC€PēPjPē P»C-PeP°CḡCfCHbPePēPjPē P·P°CfPsP±P°PjPē C,P° C-PSC€C- PIPēPrPē PIP·P°C"PjPsPrC-PNēB»);

- PIP°PiC-C,PSC- P°P±Ps PḡC-PSPePē, CḡPeC- PīP»P°PSCfCHC,CH P·P°PIP°PiC-C,PSC-C,Pē (PrPēPI. CḡPsP·PrC-P» B«P—P°CfC,PsCfCfPIP°PSPSCḡ Cf PīPμCḡC-PsPr PIP°PiC-C,PSPsCfC,C-P°P±Ps PīPsPrCfPIP°PSPSCḡ PiCḡCfPrPrCHB»);

- PsPrPSPsC±P°CfPSPμ P·P°CfC,PsCfCfPIP°PSPSCḡ C-P· CfP°PeCfP±C-C,CḡPēP»PsPj/PIP°P»CfP°CḡC,P°PSPsPj; P·P°CfC,PsCfCfPIP°PSPSCḡ P»C-PeP°CḡCfCHbPePsPiPs P·P°CfPsP±Cf PhP·P†PḡP·P PSPμ PjPsPḡPSP° CḡPsP·PīPsC±PēPSP°C,Pē CḡP°PSC-C€Pμ PSC-Pḡ C±PμCḡPμP· 36 PīPsPrPēPS PīC-CfP»Cḡ PīCḡPēPNēPsPjCf PsCfC,P°PSPSCHbPsC— PrPsP·Pē CfP°PeCfP±C-C,CḡPēP»Cf/PIP°P»CfP°CḡC,P°PSCf (PrPēPI. CḡPsP·PrC-P»Pē B«PhCfPsP±P»PēPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCḡB» C- B«P'P·P°C"PjPsPrC-Cḡ P· C-PSC€PēPjPē P»C-PeP°CḡCfCHbPePēPjPē P·P°CfPsP±P°PjPē C,P° C-PSC€C- PIPēPrPē PIP·P°C"PjPsPrC-PNēB» C,P° B«PhCfPsP±P»PēPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCḡB»);

- PμPeCfC,CḡP°PePsCḡPīPsCḡP°P»CHbPSC- PjPμC,PsPrPē P»C-PeCfPIP°PSPSCḡ, CḡPeC- PīCḡPēP·PIPsPrCḡC,CH PrPs PePsPSC,P°PeC,Cf PeCḡPsPIC- P· PSPμPīP°C,PēPIPsPs P·P°CḡCḡPrPḡPμPSPēPjPē PīPsPIPμCḡC...PSCḡPjPē (PrPēPI. CḡPsP·PrC-P» B«P'P·P°C"PjPsPrC-Cḡ P· C-PSC€PēPjPē P»C-PeP°CḡCfCHbPePēPjPē P·P°CfPsP±P°PjPē C,P° C-PSC€C- PIPēPrPē PIP·P°C"PjPsPrC-PNēB»);

- P·PSP°C±PSPēPNē PrPIPsP±C-C±PSPēPNē CfC,PμPSPsP· PSPēCḡPePsPIPēC... P°CḡC,PμCḡC-PNē P°P±Ps CfC,PμPSPsP· P°CḡC,PμCḡC-C— C"PrPēPSPsC— C,,CfPSPeCfC-PsPSCfCHC±PsC— PSPēCḡPePē (PrPēPI. CḡPsP·PrC-P» B«PhCfPsP±P»PēPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCḡB»).

P'P·P°C"PjPsPrC-Cḡ P· C-PSC€PēPjPē P»C-PeP°CḡCfCHbPePēPjPē P·P°CfPsP±P°PjPē C,P° C-PSC€C- PIPēPrPē PIP·P°C"PjPsPrC-PNē.

P"°PSC- PeP»C-PSC-C±PSPēC... PrPsCfP»C-PrPḡPμPSCH CfPIC-PrC±P°C,CH, C%Ps PīPsPrPIC-PNēPSP° P±P»PsPeP°PrP° CḡPμPSC-PS-P°PSPiC-PsC,PμPSP·PēPS- P°P»CHbPrPsCfC,PμCḡPsPSPsPIPsC— CfPēCfC,PμPjPē (P PhPḡPḡ) C€P»CḡC...PsPj

PsPrPSPsC±P°CfPSPsPiPs PīCḡPēPNēPsPjCf C-PSPiC-P±C-C,PsCḡC-PI PḡPḡPḡ,
P±P»PsPeP°C,PsCḡC-PI CḡPḡC†PḡPiC,PsCḡC-PI P°PSPiC-PsC,PḡPSP·PēPSCf P†P† P°P±Ps
P°P»C-CfPeC-CḡPḡPSCf P°CfPsC†C-CḡC”C,ChCfCḡ P· P±C-P»ChCē PIPēCfPsPePsCḡ
C±P°CfC,PsC,PsCḡ PīPsP±C-C±PSPēC... CḡPḡP°PeC†C-PNē, C,P°PePēC... CḡPe
P°CḡC,PḡCḡC-P°P»ChPSP° PiC-PiPsC,PḡPSP·C-Cḡ, PiC-PiPḡCḡPeP°P»C-C”PjC-Cḡ C,P°
P·PSPēPḡPḡPSPSCḡ C,,CfPSPeC†C-C— PSPēCḡPsPe (PIPeP»CḡC±P°CḡC±Pē PiPsCfC,CḡCf
PSPēCḡPePsPICf PSPḡPrPsCfC,P°C,PSC-CfC,Ch), PiPsCḡC-PIPSCḡPSPs C-P·
P·P°CfC,PsCfCfPIP°PSPSCḡPj PsPrPSPsPiPs P»C-PeP°CḡCfChPePsPiPs P·P°CfPsP±Cf, C%Ps
PIPiP»PēPIP°C” PSP° P PḡPḡPḡ (PrPēPI. CḡPsP·PrC-P»Pē B«PḡCḡPsC,PēPiPsPeP°P·P°PSPSCḡB»
C,P° B«PhCfPsP±P»PēPiPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCḡB»).

*P>C-PeP°CḡCfChPeC- P·P°CfPsP±Pē, C%Ps PiC-PrPIPēC%CḡCḡC,Ch CḡPēP·PēPe
CḡPsP·PIPēC,PeCḡ P°PSPiC-PsPSPḡPICḡPsC,PēC±PSPsPiPs PSP°P±CḡCḡPeCḡ*

PḡPrPSPsC±P°CfPSPḡ P·P°CfC,PsCfCfPIP°PSPSCḡ C-PSPiC-P±C-C,PsCḡC-PI PḡPḡPḡ C-P·
CfP°PeCfP±C-C,CḡPēP»PsPj/PIP°P»CfP°CḡC,P°PSPsPj PīCḡPsC,PēPiPsPeP°P·P°PSPḡ,
PsCfPeC-P»ChPePē C†Pḡ PiC-PrPIPēC%CfC” CḡPēP·PēPe CḡPsP·PIPēC,PeCf
P°PSPiC-PsPSPḡPICḡPsC,PēC±PSPsPiPs PSP°P±CḡCḡPeCf (PrPēPI. CḡPsP·PrC-P»Pē
B«PḡCḡPsC,PēPiPsPeP°P·P°PSPSCḡB» C,P° B«PhCfPsP±P»PēPiPsCfC,C-
P·P°CfC,PsCfCfPIP°PSPSCḡB»). P PsP·PiPsC±PēPSP°C,Pē P·P°CfC,PsCfCfPIP°PSPSCḡ
CfP°PeCfP±C-C,CḡPēP»Cf/PIP°P»CfP°CḡC,P°PSCf PiPsC,CḡC-P±PSPs PSPḡ CḡP°PSC-CēPḡ
PSC-Pḡ C†PḡCḡPḡP· 36 PiPsPrPēPS PiC-CfP»Cḡ PīCḡPēPNēPsPjCf PsCfC,P°PSPSCHPsC—
PrPsP·Pē PiPḡCḡPēPSPrPsPiCḡPēP»Cf. PḡPḡCḡP°PiC-Cḡ PiPḡCḡPēPSPrPsPiCḡPēP»PsPj
CfP»C-Pr CḡPsP·PiPsC±PēPSP°C,Pē PSPḡ CḡP°PSC-CēPḡ PSC-Pḡ C†PḡCḡPḡP· 36 PiPsPrPēPS
PiC-CfP»Cḡ PīCḡPēPNēPsPjCf PsCfC,P°PSPSCHPsC— PrPsP·Pē
CfP°PeCfP±C-C,CḡPēP»Cf/PIP°P»CfP°CḡC,P°PSCf (PrPēPI. CḡPsP·PrC-P»Pē
B«PḡCḡPsC,PēPiPsPeP°P·P°PSPSCḡB» C,P° B«PhCfPsP±P»PēPiPsCfC,C-
P·P°CfC,PsCfCfPIP°PSPSCḡB»).

PḡPrPSPsC±P°CfPSPḡ P·P°CfC,PsCfCfPIP°PSPSCḡ C-PSPiC-P±C-C,PsCḡC-PI PḡPḡPḡ P·
CḡP°C†PḡPeP°PrPsC,CḡPēP»PsPj, C-PSPiC-P±C-C,PsCḡP°PjPē mTOR (PSP°PīCḡPēPeP»P°Pr, C-P·
CfPēCḡPsP»C-PjCfCfPsPj, PḡPIPḡCḡPsP»C-PjCfCfPsPj, C,PḡPjCfPēCḡPsP»C-PjCfCfPsPj) C,P° P·
PiP»C-PiC,PēPSP°PjPē (PSP°PīCḡPēPeP»P°Pr, C-P· 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)
PjPsPḡPḡ PīCḡPēP·PIPḡCfC,Pē PrPs PiC-PrPIPēC%PḡPSPSCḡ CḡPēP·PēPeCf CḡPsP·PIPēC,PeCf
P°PSPiC-PsPSPḡPICḡPsC,PēC±PSPsPiPs PSP°P±CḡCḡPeCf (PrPēPI. CḡPsP·PrC-P»
B«PhCfPsP±P»PēPiPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCḡB»).

*P>C-PeP°CḡCfChPeC- P·P°CfPsP±PēB C%Ps CfPīCḡPēC±PēPSCḡCḡC,Ch
PiC-PiPḡCḡPeP°P»C-C”PjC-Cḡ.*

P C-PIPḡPSCḡ PeP°P»C-Cḡ PI CfPēCḡPsPIP°C,C†C- PeCḡPsPIC- P·P°P·PIPēC±P°PNē
P·P°P»PēCēP°C”C,ChCfCḡ PI PjPḡPḡP°C... PSPsCḡPjPē, P°P»Pḡ Cf PrPḡCḡPePēC...
PīP°C†C-C”PSC,C-PI, CḡPeC- P·P°CfC,PsCfPsPICfCḡC,Ch P»C-PeP°CḡCfChPePēPNē
P·P°CfC-P± PḡP>P†PḡP·P , PjPsPḡPḡ PIPēPSPēPePSCfC,Pē
PiC-PiPḡCḡPeP°P»C-C”PjC-Cḡ. P”PḡCḡPeC- P»C-PeP°CḡCfChPeC- P·P°CfPsP±Pē
P°P±Ps C,PḡCḡP°PiPḡPIC,PēC±PSC- PeP»P°CfPē P»C-PeP°CḡCfChPePēC...
P·P°CfPsP±C-PI PjPsPḡCfC,Ch CfPiCḡPēC±PēPSPēC,Pē
PiC-PiPḡCḡPeP°P»C-C”PjC-CḡPIPePSPēPePSPḡPSPSCḡ PiC-PiPḡCḡPeP°P»C-C”PjC-C—,
P° CfP°PjPḡ: P°P»C-CfPeC-CḡPḡPS, CfPsP»C- PeP°P»C-Cḡ,
PeP°P»C-PNēP·P±PḡCḡC-PiP°CḡC±C- PrC-CfCḡPḡC,PēPePē (PSP°PīCḡPēPeP»P°Pr,

CГPиC-CTПsPSPsP»P°PeC,PsPS, C,CTПeP°PjC,PμCTПPμPS P°P±Ps P°PjC-P»PsCTПePTr),
 C-PSPиC-P±C-C,PsCTПe PПPμPα, P°PSC,P°PiPsPSC-CTC,Pe CTПPμCTPμPiC,PsCTПC-PI
 P°PSPиC-PsC,PμPSP·PēPSCr P†P†, PSPμCTC,PμCTПPsC—PrPSC-
 PiCTПPsC,PēP·P°PiP°P»CHPSC- P·P°CTPSP±Pē (PкPμP—P—), PiPμPiP°CTПePSPē,
 C-PjCrPSPsCTCрPiCTПPμCTPSPCTПe, C,P°PeC- CИPe CTPēPeP»PsCTPiPsCTПePS P°P±Ps
 C,P°PeCTПPsP»C-PjCrCTC, C,CTПePjPμC,PsPiCTПePj C,P° PePs-C,CTПePjPsPeCTP°P·PsP»
 (C,CTПePjPμC,PsPiCTПePj/CTCрP»CHC,,P°PjPμC,PsPeCTP°P·PsP»), PsCTPeC-P»CHPePē
 C,CTПePjPμC,PsPiCTПePj PrC-C” CИPe PeP°P»C-PNp·P±PμCTПC-PiP°CTC†PēPNp
 PrC-CrCTПPμC,PēPe, PiPsPrC-P±PSPs PrPs P°PjC-P»PsCTПePTrCr. PhPrPSPsC†P°CTPSPēPNp
 PiCTПePPNpPsPj PiPeP°P·P°PSPēC... P»C-PeP°CTCTCHPePēC... P·P°CTPSP±C-PI
 PiC-PrPiPēC%CrC” CTПeP·PēPe PiPēPSPēPePSPμPSPSCИ PiC-PiPμCTПeP°P»C-C”PjC-C—.B
 PŷPsPjCr PsPrPSPsC†P°CTPSPμ P·P°CTC,PsCTCрPiP°PSPSCИ P»C-PeP°CTCTCHPePsPiPs
 P·P°CTPSP±Cr PПP·P†PŷP·P P·PiPēC%PμP·P°P·PSP°C†PμPSPēPjPē P»C-PeP°CTCTCHPePēPjPē
 P·P°CTPSP±P°PjPē PSPμ CTПPμPePsPjPμPSPPrPsPiP°PSPs. PiPeC%Ps PsPrPSPsC†P°CTPSPμ
 P·P°CTC,PsCTCрPiP°PSPSCИ CTPēC... CTПPμC†PsPiPēPS C” PSPμPsP±C...C-PrPSPēPj, C—C...
 CTP»C-Pr P·P°CTC,PsCTPSPICрPiP°C,Pē P· PsP±PμCTПPμP¶PSC-CTC,CT C,P° PiCTПsPiPsPrPēC,Pē
 C†P°CTC,PēPNp PjPsPSC-C,PsCTПePSPi CTПC-PIPSCИ PeP°P»C-CT Cr CTPēCTПsPiP°C,CTC-
 PeCTПsPIC-.

PhPrPSPsC†P°CTPSPμ P·P°CTC,PsCTCзPiP°PSPSCИ PiCTПPsC,PēPiPsPeP°P·P°PSPs (PrPēPI.
 CTПPsP·PrC-P» B«PμCTПPsC,PēPiPsPeP°P·P°PSPSCИB»).

PПP»C-CTPeC-CTПPμPS: Cr PiP°CTC-C”PSC,C-PI, C...PiPsCTПeC... PSP° CTCrPeCTПsPiPēPNp
 PrC-P°P±PμC,, P°P±Ps Cr PiP°CTC-C”PSC,C-PI P· PiPsCTПCrC€PμPSPSCИPjPē C,,CrPSPeCTC-C—
 PSPēCTПPsPe CTПeP·PēPe PiPēPSPēPePSPμPSPSCИ PiC-PiPμCTПeP°P»C-C”PjC-C—,
 PiPsPiC-CTC€PμPSPSCИ C,,CrPSPeCTC-C— PSPēCTПPsPe C,P°
 PeP°CTПPrC-PsPiP°CTPeCrP»CИCTПSPsC— P·P°C...PiPsCTПCTPiP°PSPsCTC,C- PNp
 P»PμC,P°P»CHPSPsCTC,C- PiC-PrPiPēC%CrC”C,CHCTCИ.

P·PeCTC,CTП°PePsCTПPiPsCTПP°P»CHPSC- PjPμC,PsPrPē P»C-PeCrPiP°PSPSCИ. CИPeC-
 PiCTПeP·PiPsPrCИC,CH PrPs PePsPSC,P°PeC,Cr PeCTПsPIC- P· PSPμPiP°C,PēPiPSPs
 P·P°CTCИPrP¶PμPSPēPjPē PiPsPiPμCTПC...PSCИPjPē, C,P°PePēPjPē CИPe
 PiPēCTPSPePsPiCTПPsC,PsC†PSC- PjPμPjP±CTПP°PSPē PrP»CИ PrC-P°P»C-P·Cr P°P±Ps
 PiPμPjPsC,,C-P»CHC,CTП°CTC-C— (PSP°PiCTПePeP»P°Pr PiPsP»C-P°PeCTПeP»PsPIC-
 PjPμPjP±CTПP°PSPē) C,P° PrP»CИ P°C,,PμCTПPμP·Cr P»C-PiPsPiCTПPsC,PμC—PrC-PI
 PSPēP·CHPePsC— C%oC-P»CHPSPsCTC,C- P· PrPμPeCTC,CTПP°PSCCTCрP»CHC,,P°C,PsPj, C%oPs
 PjPsP¶Pμ PiCTПeP·PiPμCTC,Pē PrPs PiC-PrPiPēC%PμPSPSCИ CTПeP·PēPeCr
 PiPēPSPēPePSPμPSPSCИ C,CИP¶PePēC... P°PSP°C,,C-P»P°PeC,PsC—PrPSPēC... CTПPμP°PeCTC-PNp
 (PrPēPI. CTПPsP·PrC-P» B«PμCTПPsC,PēPiPsPeP°P·P°PSPSCИB»). PJ CTПP°P·C-
 PSPμPsP±C...C-PrPSPsCTC,C- C,P°PePsPiPs P»C-PeCrPiP°PSPSCИ, CTP»C-Pr
 CTПPsP·PiP»CИPSCрC,Pē PjPsP¶P»PēPIC-CTC,CH PiPēPePsCTПeCTC,P°PSPSCИ
 PrC-P°P»C-P·PSPsC— PjPμPjP±CTПP°PSPē C-PSC€PsPiPs C,PēPiCr P°P±Ps
 P·P°CTC,PsCTCрPiP°PSPSCИ C-PSC€PsPiPs PeP»P°CTCр
 P°PSC,PēPiC-PiPμCTПC,PμPSP·PēPiPSPēC... P»C-PeP°CTCTCHPePēC... P·P°CTPSP±C-PI.

PhPrPSPsC†P°CTPSPμ P·P°CTC,PsCTCзPiP°PSPSCИ PSPμ CTПPμPePsPjPμPSPPrPsPiP°PSPμ (PrPēPI.
 CTПPsP·PrC-P» B«PhCTPSP±P»PēPiPsCTC,C- P·P°CTC,PsCTCзPiP°PSPSCИB»).

PПP»C-CTPeC-CTПPμPS: Cr P±CrPrCH-CИPePēC... C-PSC€PēC... PiP°CTC-C”PSC,C-PI, CИPe C- Cr

C...PIPsCḡPëC... PSP° C†CṛPeCḡPsPIPëPNë PrC-P°P±PμC, P°P±Ps PṛP°C†C-C"ṖSC,C-PI P·
PṛPsCḡCṛCεPμPSPSCḲPjPë C,,CṛPSPeC†C-C"Ḥ PSPëCḡPsPe, CḡPëP·PëPe
PIPëPSPëPePSPμPSPSCḲ PṛC-PṛPμCḡPeP°P»C-C"ṖjC-C—, PṛPsPṛC-CḡCεPμPSPSCḲ
C,,CṛPSPeC†C-C— PSPëCḡPsPe C,P° PeP°CḡPrC-PsPIP°CṛPeCṛP»CḲCḡPSPsC—
P·P°C...PIPsCḡCḡPIP°PSPsCṛC,C- C,P° P»PμC,P°P»CḤPSPsCṛC,C-
PṛC-PrPIPëC%oCṛC"ḤCḡCḲ.

PḡPrPSPsC†P°CṛPSPμ P·P°CṛC,PsCṛCṛPIP°PSPSCḲ C-PSPṛC-P±C-C,PsCḡP° PḡPμPḡ C,P°
P±P»PsPeP°C,PsCḡP° CḡPμC†PμPṛC,PsCḡC-PI P°PSPṛC-PsC,PμPSP·PëPSCṛ

P—P° PrP°PSPëPjPë P»C-C,PμCḡP°C,CṛCḡPë PIC-PrPsPjPs, C%oPs Cṛ PṛP°C†C-C"ṖSC,C-PI P·C-
PICṛC,P°PSPsPIP»PμPSPëPj P°C,PμCḡPsCṛPeP»PμCḡPsP·PsPj, CṛPμCḡC†PμPIPsCḡ
PSPμPrPsCṛC,P°C,PSC-CṛC,Cḡ P°P±Ps P· C†CṛPeCḡPsPIPëPj PrC-P°P±PμC,PsPj P·
CṛCḡP°PḡPμPSPSCḲPj PsCḡPṛP°PSC-PI-PjC-CεPμPSPμPNë PsPrPSPsC†P°CṛPSPμ
P·P°CṛC,PsCṛCṛPIP°PSPSCḲ C-PSPṛC-P±C-C,PsCḡC-PI PḡPμPḡ C,P° P±P»PsPeP°C,PsCḡC-PI
CḡPμC†PμPṛC,PsCḡC-PI P°PSPṛC-PsC,PμPSP·PëPSCṛ CṛCṛPṛCḡPsPIPpsPrPḡCṛPIP°P»PsCṛCḲ
PṛC-PrPIPëC%oPμPSPSCḲPj C†P°CṛC,PsC,Pë PIPëPSPëPePSPμPSPSCḲ
P°CḡC,PμCḡC-P°P»CḤPSPsC— PṛC-PṛPsC,PμPSP·C-C—, PSPμPṛCḡPëC,PsPjPSPsCṛC,C-,
PṛC-PṛPμCḡPeP°P»C-C"ṖjC-C— C,P° PṛPsPṛC-CḡCεPμPSPSCḲPj C,,CṛPSPeC†C-C— PSPëCḡPsPe
(Cṛ C,PsPjCṛ C†PëCṛP»C- PṛPsCṛC,CḡPsC— PSPëCḡPePsPIPpsC— PSPμPrPsCṛC,P°C,PSPsCṛC,C-) PṛPsCḡC-PIPSCḲPSPs P· PjPsPSPsC,PμCḡP°PṛC-C"Ḥ P»C-PeP°CḡCṛCḤPePëPjPë
P·P°CṛPsP±P°PjPë, C%oPs PIPṛP»PëPIP°CḡC,CḤ PSP° P PḡPḡPṽ. P—P°CṛC,PsCṛCṛPIP°PSPSCḲ
PṛPsPrPIC-PNëPSPsC— P±P»PsPeP°PrPë (C,PsP±C,Ps PePsPjP±C-PSP°C†C-CḲ
C-PSPṛC-P±C-C,PsCḡP° PḡPμPḡ P· P°PSC,P°PṛPsPSC-CṛC,P°PjPë CḡPμC†PμPṛC,PsCḡC-PI
P°PSPṛC-PsC,PμPSP·PëPSCṛ P†P†) PjPsPḡP»PëPIPμ C,C-P»CḤPePë PI PsPeCḡPμPjPëC...
PIPëPṛP·PrPeP°C... P·P° CṛPjPsPIPë CḡPμC,PμP»CḤPSPsPiPs PePsPSC,CḡPsP»Cḡ
C,,CṛPSPeC†C-C— PSPëCḡPsPe, CḡC-PIPSCḲ PeP°P»C-Cḡ C,P° P°CḡC,PμCḡC-P°P»CḤPSPsPiPs
C,PëCṛPeCṛ.

P·CṛC,CḡP°PjCṛCṛC,PëPS: PṛC-PrPIPëC%oPμPSPSCḲ CḡPëP·PëPeCṛ PIPëPSPëPePSPμPSPSCḲ
PṛPsP±C-C†PSPëC... CḡPμP°PeC†C-PNë, C,P°PePëC... CḲPe P°PSPṛC-PsPSPμPICḡPsC,PëC†PSPëPNë
PSP°P±CḡCḲPe (P°PSPṛC-PsPμPrPμPjP°).

PḡP°P»C-PNëP·P±PμCḡC-PṛP°CḡC†C- PrC-CṛCḡPμC,PëPePë (PSP°PṛCḡPëPeP»P°Pr
C,CḡPëP°PjC,PμCḡPμPS, P°PjC-P»PsCḡPëPr C,P° C-PSCεC-), CṛPsP»C- PeP°P»C-Cḡ:
PIPëPSPëPePSPμPSPSCḲ PṛC-PṛPμCḡPeP°P»C-C"ṖjC-C— (PṛPsC,PμPSC†C-PNëPSPs
P»PμC,P°P»CḤPSPsC—), PsCṛPsP±P»PëPIPs Cṛ PṛP°C†C-C"ṖSC,C-PI C-P·
PṛPsCḡCṛCεPμPSPSCḲPjPë C,,CṛPSPeC†C-C— PSPëCḡPsPe (P°PrPëC,PëPIPSPëPNë
PṛC-PṛPμCḡPeP°P»C-C"ṖjC-C†PSPëPNë PμC,,PμPeC,). P—P°P·PSP°C†PμPSC-
P»C-PeP°CḡCṛCḤPeC- P·P°CṛPsP±Pë PSPμ CḡPμPePsPjPμPSPPrPsPIP°PSC- PrP»CḲ
PsPrPSPsC†P°CṛPSPsPiPs P·P°CṛC,PsCṛCṛPIP°PSPSCḲ P· PṛPμCḡPëPSPPrPsPṛCḡPëP»PsPj
(PrPëPI. CḡPsP·PrC-P» B«PḡCṛPsP±P»PëPIPsCṛC,C- P·P°CṛC,PsCṛCṛPIP°PSPSCḲB»).

PḡPrPSP°Pe CḲPeC%oPs PsPrPSPsC†P°CṛPSPμ PṛCḡPëP·PSP°C†PμPSPSCḲ C†PëC...
CḡPμC†PsPIPëPS C" PSPμPsP±C...C-PrPSPëPj, C—C... CṛP»C-Pr
P·P°CṛC,PsCṛPsPICṛPIP°C,Pë P· PsP±PμCḡPμPḡPSC-CṛC,Cḡ C,P° PṛCḡPsPIPpsPrPëC,Pë
C†P°CṛC,PëPNë PePsPSC,CḡPsP»Cḡ PeP°P»C-Cḡ Cṛ CṛPëCḡPsPIP°C,C†C-B PeCḡPsPIC-.
P©PsPrPs P·P°CṛC,PsCṛCṛPIP°PSPSCḲ CṛPṛC-CḡPsPSPsP»P°PeC,PsPSCṛ PṛCḡPë
CṛPμCḡC†PμPIC-PNë PSPμPrPsCṛC,P°C,PSPsCṛC,C- PrPëPI. PṛCṛPSPeC,
B«PḡPrPSPsC†P°CṛPSPμ P·P°CṛC,PsCṛCṛPIP°PSPSCḲ, CḲPePμ PṛPsC,CḡPμP±CṛC"
PsCṛPsP±P»PëPIPsC— CṛPIP°PṛPëB».

P>C-C,C-PN. P₄CT₃Pē P·P°C₁C,PsC₁C₁PIP°PSPSC- C-PSiC-P±C-C,PsCT₃C-PI P₃P₄P₄ P·
P»C-PeP°CT₃C₁CH₃PePēPjPē P·P°C₁PsP±P°PjPē P»C-C,C-CT₃ PiPsPIC-PrPsPjP»C₁PI»PsC₁C₁
PiCT₃Ps PsP±PsCT₃PsC,PSp₄ PiC-PrPIPēC%P₄PSpSC₁ PePsPSC†P₄PSC,CT₃P°C†C-C— P»C-C,C-CT₃
C₁ C₁PēCT₃PsPIP°C,C†C-B PeCT₃PsPIC- C,P° PN₂PsPiPs C,PsPeC₁PēC†PSC-C₁C,CH. P₄P₄
CT₃P₄PePsPjP₄PSPrC₁C”C,CHC₁C₁ P·P°C₁C,PsC₁PsPIC₁PIP°C,Pē PiP₄CT₃PēPSPrPsPiCT₃PēP» P·
P»C-PeP°CT₃C₁CH₃PePēPjPē P·P°C₁PsP±P°PjPē P»C-C,C-CT₃. Pj CT₃P°P·C- PrPsPIP₄PrP₄PSpSC—
PSp₄PsP±C...C-PrPSpSC₁C,C- C,P°PePsPiPs PiCT₃PēP·PSP°C†P₄PSpSC₁
PsP±PsPiCT₃™ C₁PI·PePsPIPs C₁P»C-Pr CT₃P₄C,P₄P»CH₃PSp₄ PePsPSC,CT₃PsP»CT₃PIP°C,Pē
CT₃C-PIP₄PSCH P»C-C,C-CT₃ C₁ C₁PēCT₃PsPIP°C,C†C- PeCT₃PsPIC- (PrPēPI. PiC₁PSPeC,B
B«PhC₁PsP±P»PēPIPsC₁C,C- P·P°C₁C,PsC₁C₁PIP°PSPSC₁B»).

PhPrPSpSC†P°C₁PSp₄ P·P°C₁C,PsC₁C₁PIP°PSPSC₁, C%Ps PiPsC,CT₃P₄P±C₁C”
PsC₁PsP±P»PēPIPsC— C₁PIP°PiPē.

P₄CT₃PsC,PēPrC-P°P±P₄C,PēC†PSC- P·P°C₁PsP±Pē (C-PSC₁C₁P»C-PS,
PiC-PiPsPiP»C-PeP₄PjC-C†PSC- P·P°C₁PsP±Pē PrP»C₁ PiP₄CT₃PsCT₃P°P»CH₃PSp₄PiPs
P·P°C₁C,PsC₁C₁PIP°PSPSC₁).

P P₄P·C₁P»CH₃C,P°C,Pē P₄PiC-PrP₄PjC-PsP»PsPiC-C†PSPēC... PrPsC₁P»C-PrP₄PIP₄PSCH
C₁PIC-PrC†P°C,CH PiCT₃Ps C,P₄, C%Ps PsPrPSpSC†P°C₁PSp₄ P·P°C₁C,PsC₁C₁PIP°PSPSC₁
C-PSiC-P±C-C,PsCT₃C-PI P₃P₄P₄ C,P° PiCT₃PsC,PēPrC-P°P±P₄C,PēC†PSPēC... P·P°C₁PsP±C-PI
(C-PSC₁C₁P»C-PS, PiC-PiPsPiP»C-PeP₄PjC-C†PSC- P·P°C₁PsP±Pē PrP»C₁B
PiP₄CT₃PsCT₃P°P»CH₃PSp₄PiPs P·P°C₁C,PsC₁C₁PIP°PSPSC₁) PjPsP₄PIP₄ PiPsC₁PēP»PēC,Pē
C†C₁PeCT₃PsP·PSPēP₄C₁PIP°P»CH₃PSpēPN₂ P₄C,,P₄PeC, C-P· CT₃PēP·PēPePsPj CT₃PsP·PIPēC,PeC₁
PiC-PiPsPiP»C-PeP₄PjC-C—. P’C-CT₃PsPiC-PrPSC-C₁P₄, C%Ps C†P₄ C₁PIPēC%P₄B PjPsP₄PIP₄
PIPēPSPēPeP°C,Pē PI PiP°C†C-C”PSC,C-PI C₁ PiP₄CT₃C₁C- C,PēP₄PSC-
PePsPjP±C-PSp₄PIP°PSp₄PiPs P»C-PeC₁PIP°PSPSC₁ C,P° C₁ PiP°C†C-C”PSC,C-PI P·
PSPēCT₃PePsPIPsCT₃ PSp₄PrPsC₁C,P°C,PSC-C₁C,CH.

P’P°PeP»PsC,,P₄PS PiPsC₁PēP»CT₃C” P°PSC,PēPiC-PiP₄CT₃C,P₄PSp·PēPIPsPēPN₂ P₄C,,P₄PeC,,
P₄P₄PsP±C...C-PrPSp₄ PePsPSC,CT₃PsP»CT₃PIP°C,Pē P°CT₃C,P₄CT₃C-P°P»CH₃PSpēPN₂ C,PēC₁Pe
C-, C₁ CT₃P°P·C- PSp₄PsP±C...C-PrPSpSC₁C,C-, PePsCT₃P₄PiC₁PIP°C,Pē PrPsP·C₁
P°PSC,PēPiC-PiP₄CT₃C,P₄PSp·PēPIPsP₄PiPs P·P°C₁PsP±C₁.

P”C-C₁CT₃P₄C,PēPePē. Pj PiP°C†C-C”PSC,C-PI, C₁PeC- PiCT₃PēPN₂PjP°CT₃C,CH
PrC-C₁CT₃P₄C,PēPePē, C,P° PsC₁PsP±P»PēPIPs C₁ C,PēC..., C₁ PePsPiPs PiPsCT₃C₁C₁P₄PSpēPN₂
PIPsPrPSp₄-P₄P»P₄PeC,CT₃PsP»C-C,PSpēPN₂ PsP±PjC-PS, PjPsP₄PIP»PēPIP₄ PSP°PrPjC-CT₃PSp₄
P·PSPēP₄PIP₄PSpSC₁ P°CT₃C,P₄CT₃C-P°P»CH₃PSp₄PiPs C,PēC₁PeC₁ PiC-C₁P»C₁ PiPsC†P°C,PeC₁
P»C-PeC₁PIP°PSPSC₁ C-PSiC-P±C-C,PsCT₃PsPj P₃P₄P₄. P†PjPsPIC-CT₃PSC-C₁C,CH
CT₃PsP·PIPēC,PeC₁ PiC-PiPsC,P₄PSp·PēPIPsP₄PiPs P₄C,,P₄PeC,C₁ PjPsP₄PIP₄ P±C₁C,Pē
P·PSPēP₄PIP₄PSp° C₁P»C₁C...PsPj PIC-PrPjC-PSpē PiCT₃PēPN₂PsPjC₁ PrC-C₁CT₃P₄C,PēPeP°,
PiC-PrPIPēC%P₄PSpSC₁ PsP±P₄™ C”PjC₁ C†PēCT₃PeC₁P»CT₃CT₃C†PsC— PeCT₃PsPIC- P°P±Ps
C₁PiPsP₄PIPēPIP°PSPSC₁ C₁PsP»C- PiP₄CT₃P₄Pr PiPsC†P°C,PePsPj C,P₄CT₃P°PiC-C—
PiP₄CT₃PēPSPrPsPiCT₃PēP»PsPj, C₁PeC₁ C₁P»C-Pr CT₃PsP·PiPsC†PēPSP°C,Pē P· PSPēP·CH₃PePsC—
PrPsP·Pē, PiPsC₁C,C₁PiPsPIPs C—C— PiC-PrPIPēC%CrCT₃C†Pē. P₄CT₃Pē
P°CT₃C,P₄CT₃C-P°P»CH₃PSpC-PN₂ PiC-PiP₄CT₃C,P₄PSp·C-C—, PePsP»Pē PiPsPiP₄CT₃P₄PrPSCH₃Ps
PiCT₃PēP·PSP°C†P₄PSpēPN₂ PrC-C₁CT₃P₄C,PēPe PjC-Pi C₁PiCT₃PēC†PēPSPēC,Pē
PSp₄PrPsC₁C,P°C,PSpC-C₁C,CH PIPsPrPē/P₄P»P₄PeC,CT₃PsP»C-C,C-PI, PN₂PsPiPs
PSp₄PsP±C...C-PrPSp₄ PIC-PrPjC-PSpēC,Pē PiP₄CT₃P₄Pr PiPsC†P°C,PePsPj P»C-PeC₁PIP°PSPSC₁
C-PSiC-P±C-C,PsCT₃PsPj P₃P₄P₄ (C₁ C,P°PePēC... PIPēPiP°PrPeP°C... PiCT₃PēPN₂PsPj
PrC-C₁CT₃P₄C,PēPeP° PjPsP₄PIP₄ P±C₁C,Pē PiPsPSp₄PIP»P₄PSp₄ P· C†P°C₁PsPj) P°P±Ps
PiCT₃PēP·PSP°C†PēC,Pē C-PSiC-P±C-C,PsCT₃ P₃P₄P₄ C₁ PSPēP·CH₃PeC-PN₂ PrPsP·C-,

PiPsCfC,CrPiPsPIPs C—C— PiC-PrPIPeC%CrCfCfPe. PpCfPe P·P°CfC,C-PN°PSC-PN°
CfPpCfCfPpPIC-PN° PSPpPrPsCfC,P°C,PSPsCfC,C- PSP° C,P»C- PiCfPePN°PsPjCz
PrC-CzCfPpC,PpPeP° PiCfPePN°PsPj C-PSPiC-P±C-C,PsCfP° PhPpPα CfP»C-Pr
CfPsP·PiPsCfPePSP°C,Pp P· PjC-PSC-PjP°P»CHPSPsC— PrPsP·Pp, PjPsP¶P»PePIPs, PiC-CfP»Cf
P·PSPPe¶PpPSPSCf PrPsP·Pp PrC-CrCfPpC,PpPeP°. Pj P±CfPrCH-CfPePsPjCr PIPePiP°PrPeCr
PSPpPsP±C...C-PrPSPs PePsPSC,CfPsP»CHPIP°C,Pp C,,CrPSPeCfC-Cf PSPeCfPsPe
(CfC-PIPpPSCH PeCfPpP°C,PpPSC-PSCr) PiCfPsC,CfPiPsPj PiPpCfCfPeC... C,Pp¶PSC-PI
P»C-PeCfPIP°PSPSCf C-PSPiC-P±C-C,PsCfPsPj PhPpPα.

PpP°P»C-PN°P·P±PpCfC-PiP°CfCfC- PrC-CrCfPpC,PpPePp (PpPiP»PpCfPpPSPsPS,
CfPiC-CfPsPSPsP»P°PeC,PsPS). PpCfPe PsPrPSPsCfP°CfPSPsPjCr P·P°CfC,PsCfCfPIP°PSPSC-
PpPiP»PpCfPpPSPsPSCr P°P±Ps CfPiC-CfPsPSPsP»P°PeC,PsPSCr PI PrPsP·P°C... PIC-Pr 12,5
PjPi PrPs 50 PjPi PSP° PrPsP±Cf P· PSPeP·CHPePePjPe PrPsP·P°PjPe C-PSPiC-P±C-C,PsCfC-PI
PhPpPα Cr PiP°CfC-C°PSC,C-PI C-P· CfPpCfCfPpPIPsCf PSPpPrPsCfC,P°C,PSC-CfC,Cf P†P†-
P†V C,,CrPSPeCfC-PsPSP°P»CHPSPeC... PeP»P°CfC-PI P·P° CPeP°P»PsCf PkCHCf-
P™ PsCfPeCfCHPePsC— PeP°CfPrC-PsP»PsPiC-CfPSPsC— P°CfPsCfC-P°CfC-C—B (NYHA) C-
C,,CfP°PeCfC-C°Cf PIPePePePrCr < 40 %,B CfPeC- CfP°PSC-CfPp PiCfPePN°PjP°P»Pe
C-PSPiC-P±C-C,PsCfPe PhPpPα C,P° PiPpC,P»CHPSPIC- PrC-CrCfPpC,PpPePp, C-CfPSCrC°
CfPeP·PePe PIPePSPePePSPpPSPSCf PiC-PiPpCfPeP°P»C-C°PjC-C— (PiPsC,PpPSCfC-PN°PSPs
P»PpC,P°P»CHPSPsC—), PsCfPsP±P»PePIPs Cr CfP°P·C- PSPpPrPsC,CfPePjP°PSPSCf
CfPpPePsPjPpPSPrP°CfC-PN° C°%PsPrPs PiCfPeP·PSP°CfPpPSPSCf C,P°PePsC—
PePsPjP±C-PSP°CfC-C—. PpPpCfPpPr PiPsCfP°C,PePsPj P·P°CfC,PsCfCfPIP°PSPSCf
C,P°PePsC— PePsPjP±C-PSP°CfC-C— CfP»C-Pr CrPiPpPIPsPeC,PpCfCf Cr
PIC-PrCfCfC,PSPsCfC,C- PiC-PiPpCfPeP°P»C-C°PjC-C— C,P° PiPsCfCfCfPpPSPSCf
C,,CrPSPeCfC-C— PSPeCfPsPe. P PpPePsPjPpPSPrPsPIP°PSPs PiCfPsPIPsPrPeC,Pp
CfPpC,PpP»CHPSPePN° PjPsPSC-C,PsCfPePSPi PeP°P»C-C°PjC-C— C,P°
PeCfPpP°C,PpPSC-PSPpPjC-C— C°%PsC,Pp¶PSPpPIPs PiC-Pr CfP°Cf PiPpCfCfPsPiPs
PjC-CfCfCfCf P»C-PeCfPIP°PSPSCf C,P° C°%PsPjC-CfCfCfPSPs PSP°PrP°P»C-.

PkPpCfC,PpCfPsC—PrPSC- PiCfPsC,PpP·P°PiP°P»CHPSC- P·P°CfPsP±Pe (PkPpP—P—),
PIPeP»CfCfP°CfCfPe P°CfPpC,PpP»CfP°P»C-CfPeP»PsPICr PePeCfP»PsC,Cr ≥ 3 Pi/PrPsP±Cf.
PhPsP¶P»PePIPp PiPsCfP»P°P±P»PpPSPSCf P°PSC,PpPiC-PiPpCfC,PpPSP·PePIPsPiPs
PpC,,PpPeC,Cr Cr CfP°P·C- PsPrPSPsCfP°CfPSPsPiPs P·P°CfC,PsCfCfPIP°PSPSCf
C-PSPiC-P±C-C,PsCfC-PI PhPpPα P· C,P°PePePjPe PkPpP—P—:
P°CfPpC,PpP»CfP°P»C-CfPeP»PsPIP° PePeCfP»PsC,P° Cr PiCfPsC,PpP·P°PiP°P»CHPSPeC...
PrPsP·P°C..., C-PSPiC-P±C-C,PsCfPe PjPhP°-2, PSPpCfPpP»PpPeC,PpPIPsC- PkPpP—P—.
PhPrPSPsCfP°CfPSPp P·P°CfC,PsCfCfPIP°PSPSCf C-PSPiC-P±C-C,PsCfC-PI PhPpPα C,P°
PkPpP—P— PjPsP¶Pp PiCfPeP·PIPpCfC,Pp PrPs P·P±C-P»CHCfPpPSPSCf CfPeP·PePeCr
PiPsCfCfCfPpPSPSCf C,,CrPSPeCfC-C— PSPeCfPsPe, Cr C,PsPjCr CfPeCfP»C-
C-PjPsPIC-CfPSPsCfC,C- CfPsP·PIPeC,PeCr PiPsCfC,CfPsC— PSPeCfPePsPIPsC—
PSPpPrPsCfC,P°C,PSPsCfC,C-, PiC-PrPIPeC%PpPSPSCf CfC-PIPSCf PeP°P»C-Cf Cr
CfPeCfPsPIP°C,CfC- PeCfPsPIC-, PsCfPsP±P»PePIPs Cr PiP°CfC-C°PSC,C-PI C-P·
PiPsCfCfCfPpPSPSCfPjPe C,,CrPSPeCfC-C— PSPeCfPsPe PI P°PSP°PjPSPpP·C-. PpP°PeCr
PePsPjP±C-PSP°CfC-Cf CfP»C-Pr PiCfPeP·PSP°CfP°C,Pp P· PsP±PpCfPpP¶PSC-CfC,Cf,
P·PsPeCfPpPjP° PiP°CfC-C°PSC,P°Pj P»C-C,PSCHPsPiPs PIC-PeCr. PpP°CfC-C°PSC,P°Pj
PSPpPsP±C...C-PrPSPs PIC-PrPSPsPIPeC,Pp PIPsPrPSPePN° P±P°P»P°PSCf C,P° PSP°PrP°C,Pp
CfPpPePsPjPpPSPrP°CfC-C— C°%PsPrPs PePsPSC,CfPsP»CH C,,CrPSPeCfC-C— PSPeCfPsPe
PiC-CfP»Cf PiPsCfP°C,PeCr PePsPjP±C-PSPsPIP°PSPsC— C,PpCfP°PiC-C— C,P° PiCfPe
PiPsPrP°P»CHCfPsPjCr P»C-PeCfPIP°PSPSC-.

PhPrPSPsCfP°CfPSPp P·P°CfC,PsCfCfPIP°PSPSCf, C°%Ps PiPsC,CfPpP±CzC° CzPIP°PiPe.

PhPSC, PëPiC-PiPμCḡC, PμPSP·PëPIPSC- P·P°CÍPsP±Pë C, P° PIP°P·PsPrPëP»P°C, P°C, PsCḡPë:
PsPrPSPsC±P°CÍPSPμ P·P°CÍC, PsCÍCÍPIP°PSPSCÍ P°PSC, PëPiC-PiPμCḡC, PμPSP·PëPIPSPëC...
P·P°CÍPsP±C-PI PjPsP¶Pμ PiC-PrPIPëC%PëC, Pë PiC-PiPsC, PμPSP·PëPIPSPëPñ PμC,, PμPeC,
PiPμCḡPëPSPPrPsPiCḡPëP»CÍ. PhPrPSPsC±P°CÍPSPμ P·P°CÍC, PsCÍCÍPIP°PSPSCÍ P·
PSC-C, CḡPsPiP»C-C±PμCḡPëPSPsPj C, P° C-PSCëPëPjPë PSC-C, CḡP°C, P°PjPë P°P±Ps P·
C-PSCëPëPjPë PIP°P·PsPrPëP»P°C, P°C, PsCḡP°PjPë PjPsP¶Pμ CÍPiCḡPëCÍC, Pë
PrPsPrP°C, PePsPIPsPjCÍ P·PSPëP¶PμPSPSCḡ P°CḡC, PμCḡC-P°P»CHPSPsPiPs C, PëCÍPeCÍ.

PhPrPSPsC±P°CÍPSPμ P·P°CÍC, PsCÍCÍPIP°PSPSCÍ PrPμCÍPePëC...
C, CḡPëC±PëPeP»C-C±PSPëC... P°PSC, PëPrPμPiCḡPμCÍP°PSC, C-PI P°P±Ps
P°PSC, PëPiCÍPëC... PsC, CḡPsPiPSPëC... P·P°CÍPsP±C-PI, P°P±Ps P°PSPμCÍC, PμC, PëPeC-PI P·
C-PSPiC-P±C-C, PsCḡP°PjPë PhPμPα PjPsP¶Pμ PiCḡPëP·PIPμCÍC, Pë PrPs PiPsPrP°P»CHCëPsPiPs
P·PSPëP¶PμPSPSCÍ P°CḡC, PμCḡC-P°P»CHPSPsPiPs C, PëCÍPeCÍ (PrPëPI. CḡPsP·PrC-P»
B«PhCÍPsP±P»PëPIPsCÍC, C- P·P°CÍC, PsCÍCÍPIP°PSPSCÍB»).

PŸPëPjPiP°C, PsPjC-PjPμC, PëPePë PjPsP¶CÍC, CH PiPsCÍP»P°P±P»CÍC, Pë
P°PSC, PëPiC-PiPμCḡC, PμPSP·PëPIPSCÍ PrC-Cḡ C-PSPiC-P±C-C, PsCḡC-PI PhPμPα.

P—PsP»PsC, Ps: PSC-C, CḡP°C, PsPiPsPrC-P±PSP° CḡPμP°PeC†C-CÍ (CÍPëPjPiC, PsPjPë:
PiPsC±PμCḡPIPSPSC-PSPSCÍ PsP±P»PëC±C±CÍ, PSCÍPrPsC, P°, P±P»CḡPIP°PSPSCÍ
C, P° P°CḡC, PμCḡC-P°P»CHPSP° PiC-PiPsC, PμPSP·C-CÍ) P·CÍCÍC, CḡC-C±P°P»P°CÍCÍ
CḡC-PrPePs CÍ PiP°C†C-C" PSC, C-PI, CÍPeC- PsPrPSPsC±P°CÍPSPs PiCḡPëPñPjP°P»Pë
C-PSPiC-P±C-C, PsCḡPë PhPμPα, PIPeP»CḡC±P°CḡC±Pë PiPμCḡPëPSPPrPsPiCḡPëP», C, P°
C-PSBḡ™ C"PeC†C-PñPSC- P»C-PeP°CḡCÍCHPeC- P·P°CÍPsP±Pë P·PsP»PsC, P°
(PSP°C, CḡC-Cḡ P°CÍCḡPsC, C-PsPjP°P»P°C,).

PhCÍPsP±P»PëPIPsCÍC, C- P·P°CÍC, PsCÍC±PIP°PSPSCÍ.

PŸC, P°P±C-P»CHPSP° C-CëPμPjC-C±PSP° C...PIPsCḡPsP±P° CÍPμCḡC†CÍ. Pj PIPëPiP°PrPeCÍ,
CÍPeC%Ps PiCḡPsC, CÍPiPsPj PiPμCḡCëPsPiPs PjC-CÍCÍC†CÍ P»C-PeCÍPIP°PSPSCÍ
PiPμCḡPëPSPPrPsPiCḡPëP»PsPj PIC-PrP±CÍPICÍCÍ PμPiC-P·PsPr PSPμCÍC, P°P±C-P»CHPSPsC—
CÍC, PμPSPsPeP°CḡPrC-C— (P±CÍPrCH-CÍPePsC— C, CÍP¶PePsCÍC, C-), PSPμPsP±C...C-PrPSPs
CḡPμC, PμP»CHPSPs P·PIP°P¶PëC, Pë CÍPiC-PIPIC-PrPSPsCëPμPSPSCÍ
CḡPëP·PëPe/PePsCḡPëCÍC, CH PiPμCḡPμPr C, PëPj CÍPe PIPëCḡC-CëCÍPIP°C, Pë
PiPëC, P°PSPSCÍ PiCḡPs PiCḡPsPrPsPIP¶PμPSPSCÍ C, PμCḡP°PiC-C—.

PhCḡC, PμCḡC-P°P»CHPSP° PiC-PiPsC, PμPSP·C-CÍ. PμCḡPëPñPsPj C-PSPiC-P±C-C, PsCḡC-PI
PhPμPα PjPsP¶Pμ CÍPiCḡPëC±PëPSPëC, Pë P·PSPëP¶PμPSPSCÍ P°CḡC, PμCḡC-P°P»CHPSPsPiPs
C, PëCÍPeCÍ. PŸPëPjPiC, PsPjP°C, PëC±PSP° P°CḡC, PμCḡC-P°P»CHPSP° PiC-PiPsC, PμPSP·C-CÍ
CÍPiPsCÍC, PμCḡC-PiP°C" C, CHCÍCÍ CḡC-PrCëPμ CÍ PiP°C†C-C" PSC, C-PI P·
PSPμCÍCÍPeP»P°PrPSPμPSPsCḡ P°CḡC, PμCḡC-P°P»CHPSPsCḡ PiC-PiPμCḡC, PμPSP·C-C" Cḡ
C, P° C" P±C-P»CHCë PIC-CḡPsPiC-PrPSPsCḡ CÍ PiP°C†C-C" PSC, C-PI P·
PiC-PiPsPIPsP»PμPjC-C" Cḡ, CÍ C, PëC..., C...C, Ps PiCḡPëPñPjP°C" PrC-CÍCḡPμC, PëPePë,
P·PSP°C...PsPrPëC, CHCÍCÍ PSP° PrC-C" C, C- P· PsP±PjPμP¶PμPSPSCÍPj PeC-P»CHPePsCÍC, C-
CÍPsP»C-, CÍ PiP°C†C-C" PSC, C-PI PSP° PrC-P°P»C-P·C-, CÍ PiP°C†C-C" PSC, C-PI P·
PrC-P°CḡPμC" Cḡ P°P±Ps P±P»CḡPIP°PSPSCÍPj, P°P±Ps CÍ PiP°C†C-C" PSC, C-PI C-P·
C, CÍP¶PePsCḡ CḡPμPSC-PS-P·P°P»PμP¶PSPsCḡ P°CḡC, PμCḡC-P°P»CHPSPsCḡ
PiC-PiPμCḡC, PμPSP·C-C" Cḡ (PrPëPI. CḡPsP·PrC-P»Pë B«P'·P°C" PjPsPrC-CÍ P· C-PSCëPëPjPë
P»C-PeP°CḡCÍCHPePëPjPë P·P°CÍPsP±P°PjPë C, P° C-PSCëC- PIPëPrPë PIP·P°C" PjPsPrC-PñB»

C, P° B«PμPsP±C-C±PSC- CḡPμP°PeC†C-C—B»). PŸPëPjPīC, PsPjP°C, PëC±PSP°
P°CḡC, PμCḡC-P°P»CHbPSP° PiC-PīPsC, PμPSP·C-Cḡ CḡPīPsCḡC, PμCḡC-PiP°P»P°CḡCḡ Cḡ
PīP°C†C-C”PSC, C-PI C-P· CḡPëPjPīC, PsPjP°C, PëC±PSPsCḡ CḡPμCḡC†PμPIPsCḡ
PSPμPrPsCḡC, P°C, PSC-CḡC, Cḡ, C-P· CḡCḡPīCḡC, PSCHbPsCḡ PSPëCḡPePsPIPsCḡ
PSPμPrPsCḡC, P°C, PSC-CḡC, Cḡ P°P±Ps P±PμP· PSPμC—. P’PëPSPëPePSPμPSPSCḡ
CḡPëPjPīC, PsPjP°C, PëC±PSPsC— P°CḡC, PμCḡC-P°P»CHbPSPsC— PiC-PīPsC, PμPSP·C-C—
PSP°PNëP±C-P»CHbC€ PIC-CḡPsPiC-PrPSPμ Cḡ PīP°C†C-C”PSC, C-PI P· P±C-P»CHbC€
C, CḡP¶PePëPj CḡC, CḡPīPμPSPμPj CḡPμCḡC†PμPIPsC— PSPμPrPsCḡC, P°C, PSPsCḡC, C-, CḡPeC-
PīCḡPëPNëPjP°CḡC, CHb PIPμP»PëPeC- PrPsP·Pë PīPμC, P»CHbPsPIPëC... PrC-CḡCḡPμC, PëPeC-PI,
PjP°CḡC, CHb PiC-PīPsPSP°C, CḡC-C”PjC-Cḡ P°P±Ps PSPëCḡPePsPICḡ
PSPμPrPsCḡC, P°C, PSC-CḡC, CHb C,, CḡPSPeC†C-PsPSP°P»CHbPSPsPiPs C...P°CḡP°PeC, PμCḡCḡ.
PμP°C†C-C”PSC, P°PjPë P· PiC-PrPIPëC%oPμPSPëPj CḡPëP·PëPePsPjB
CḡPëPjPīC, PsPjP°C, PëC±PSPsC— P°CḡC, PμCḡC-P°P»CHbPSPsC— PiC-PīPsC, PμPSP·C-C— PSP°
PīPsC±P°C, PeCḡ C, PμCḡP°PīC-C— C, P° PSP° PμC, P°PīC- PiC-PrP±PsCḡCḡ PrPsP· PīPsPIPëPSPSC-
PīPμCḡPμP±CḡPIP°C, Pë PiC-Pr CḡPμC, PμP»CHbPSPëPj PSP°PiP»CḡPḡPsPj P»C-PeP°CḡCḡ
(PrPëPI. CḡPsP·PrC-P»Pë B«PŸPīPsCḡC-P± P·P°CḡC, PsCḡCḡPIP°PSPSCḡ C, P° PrPsP·PëB» C, P°
B«PμPsP±C-C±PSC- CḡPμP°PeC†C-C—B»). PŸP°PeC- CḡP°PjC- P·P°CḡC, PμCḡPμP¶PμPSPSCḡ
CḡC, PsCḡCḡCḡ, CHbCḡCḡ PīP°C†C-C”PSC, C-PI P· P†PḡPŸ P°P±Ps
C†PμCḡPμP±CḡPsPIP°CḡPeCḡP»CḡCḡPSPëPjPë P·P°C...PIPsCḡCḡPIP°PSPSCḡPjPë, Cḡ
CḡPePëC... PSP°PrPjC-CḡPSPμ P·PSPëP¶PμPSPSCḡ P°CḡC, PμCḡC-P°P»CHbPSPsPiPs C, PëCḡPeCḡ
PjPsP¶Pμ CḡPīCḡPëC±PëPSPëC, Pë PIPëPSPëPePSPμPSPSCḡ C-PSC,, P°CḡPeC, Cḡ
PjC-PsPeP°CḡPrP° P°P±Ps C-PSCḡCḡP»CHbC, Cḡ.

PμCḡPë PIPëPSPëPePSPμPSPSC- P°CḡC, PμCḡC-P°P»CHbPSPsC— PiC-PīPsC, PμPSP·C-C—
PīP°C†C-C”PSC, Cḡ CḡP»C-Pr PSP°PrP°C, Pë PiPsCḡPëP·PsPSC, P°P»CHbPSPμ
PīPsP»PsP¶PμPSPSCḡ C, P° Cḡ CḡP°P·C- PSPμPsP±C...C-PrPSPsCḡC, C- PIPIPμCḡC, Pë
PIPSCḡC, CḡC-C€PSCHbPsPIPμPSPSPs 0,9 % (9 PjPi/PjP») CḡPsP·C±PëPS PSP°C, CḡC-Cḡ
C...P»PsCḡPëPrCḡ. PŸCḡP°PSP·PëC, PsCḡPSP° PiC-PīPsC, PμPSP·C-Cḡ PSPμ C”
PīCḡPsC, PëPiPsPeP°P·P°PSPSCḡPj PrP»Cḡ PīPsPrP°P»CHbC€PsPiPs P·P°CḡC, PsCḡCḡPIP°PSPSCḡ
P»C-PeP°CḡCḡCHbPePëC... P·P°CḡPsP±C-PI, CḡPeC- P·P°P·PIPëC±P°PNë PjPsP¶PSP°
P·P°CḡC, PsCḡPsPICḡPIP°C, Pë P±PμP· P±CḡPrCHb-CḡPePëC... PīPμCḡPμC€PePsPr PīC-CḡP»Cḡ
PIC-PrPSPsPIP»PμPSPSCḡ PsP±bḡ™ C”PjCḡ PeCḡPsPIC- C, P° PīC-PrPIPëC%oPμPSPSCḡ
P°CḡC, PμCḡC-P°P»CHbPSPsPiPs C, PëCḡPeCḡ.

Pj PrPμCḡPePëC... PīP°C†C-C”PSC, C-PI C-P· P·P°CḡC, C-PNëPSPsCḡ CḡPμCḡC†PμPIPsCḡ
PSPμPrPsCḡC, P°C, PSC-CḡC, Cḡ P· PSPsCḡPjP°P»CHbPSPëPj P°P±Ps P·PSPëP¶PμPSPëPj
P°CḡC, PμCḡC-P°P»CHbPSPëPj C, PëCḡPePsPj PīPμCḡPëPSPPrPsPīCḡPëP»Cḡ C, PμCḡC,-
P±CḡC, PëP»P°PjC-PS PjPsP¶Pμ CḡPīCḡPëC±PëPSPëC, Pë PrPsPrP°C, PePsPIPμ P·PSPëP¶PμPSPSCḡ
CḡPëCḡC, PμPjPSPsPiPs P°CḡC, PμCḡC-P°P»CHbPSPsPiPs C, PëCḡPeCḡ. PīPμPNë PμC,, PμPeC, C”
PīPμCḡPμPrP±P°C±CḡPIP°PSPëPj C- P·P°P·PIPëC±P°PNë PSPμ PīPsC, CḡPμP±CḡC” PIC-PrPjC-PSPë
P»C-PeP°CḡCḡCHbPePsPiPs P·P°CḡPsP±Cḡ. PīPeC%oPs P°CḡC, PμCḡC-P°P»CHbPSP°
PiC-PīPsC, PμPSP·C-Cḡ CḡC, P°C” CḡPëPjPīC, PsPjP°C, PëC±PSPsCḡ, PjPsP¶Pμ
P·bḡ™ CḡPIPëC, PëCḡCḡ PSPμPsP±C...C-PrPSC-CḡC, CHb P·PSPëP¶PμPSPSCḡ PrPsP·Pë P°P±Ps
PIC-PrPjC-PSPë P»C-PeP°CḡCḡCHbPePsPiPs P·P°CḡPsP±Cḡ.

PŸC, PμPSPsP· P°PsCḡC, P°P»CHbPSPsPiPs C, P° PjC-C, CḡP°P»CHbPSPsPiPs
PeP»P°PīP°PSC-PI/PiC-PīPμCḡC, CḡPsC,, C-C±PSP° PeP°CḡPrC-PsPjC-PsPīP°C, C-Cḡ. PīPe C-
C-PSC€C- C-PSPiC-P±C-C, PsCḡPë PḡPμPα, PīPμCḡPëPSPPrPsPīCḡPëP»Cḡ C, PμCḡC,-
P±CḡC, PëP»P°PjC-PS CḡP»C-Pr PīCḡPëP·PSP°C±P°C, Pë P· PsP±PμCḡPμP¶PSC-CḡC, Cḡ
PīP°C†C-C”PSC, P°Pj P·C- CḡC, PμPSPsP·PsPj PjC-C, CḡP°P»CHbPSPsPiPs PeP»P°PīP°PSP° P°P±Ps
PsP±CḡC, CḡCḡPeC†C-C”Cḡ PIPëC...PsPrCḡ P· P»C-PIPsPiPs C€P»CḡPSPsC±PeP°

(P°PsCḥC,P°P»CHḥPSPëPNḥ CÍC,PμPSPsP· P°P±Ps PiC-PiPμCḥC,CḥPsC,,C-C±PSP°
PeP°CḥPrC-PsPjC-PsPiP°C,C-Cḭ).

PμPsCḥCÍC€PμPSPSCḭ C,,CÍPSPeC†C-C— PSPëCḥPsPe.

PJ PIPëPiP°PrPeCÍ PSPëCḥPePsPIPsC— PSPμPrPsCÍC,P°C,PSPsCÍC,C- (PeP»C-CḥPμPSCÍ
PeCḥPμP°C,PëPSC-PSCÍ < 60 PjP»/C...PI) PiPsC±P°C,PePsPICÍ PrPsP·CÍ
PiPμCḥPëPSPPrPsPiCḥPëP»CÍ CÍP»C-Pr PiCḥPëP·PSP°C±P°C,Pë PIC-PrPiPsPIC-PrPSPs
PrPs PeP»C-CḥPμPSCÍCÍ PeCḥPμP°C,PëPSC-PSCÍ PiP°C†C-C”PSC,P° (PrPëPI.
CḥPsP·PrC-P» B«PÿPiPsCÍC-P± P·P°CÍC,PsCÍCÍPIP°PSPSCḭ C,P° PrPsP·PëB»), P° PrP°P»C-
Bḥ” P·P°P»PμP¶PSPs PIC-Pr PIC-PrPiPsPIC-PrC- PiP°C†C-C”PSC,P° PSP° P»C-PeCÍPIP°PSPSCḭ.
P PμPiCÍP»CḭCḥPSPëPNḥ PjPsPSC-C,PsCḥPëPSPi PeP°P»C-Cḥ C,P° PeCḥPμP°C,PëPSC-PSCÍ C”
C±P°CÍC,PëPSPsCḥ P·PIPëC±P°PNḥPSPsC— PjPμPrPëC±PSPsC— PiCḥP°PeC,PëPePë PrP»Cḭ
C,P°PePëC... PiP°C†C-C”PSC,C-PI (PrPëPI. CḥPsP·PrC-P» B«PμPsP±C-C±PSC-
CḥPμP°PeC†C-C-B»).

PJ PiP°C†C-C”PSC,C-PI C-P· CÍPëPjPiC,PsPjP°C,PëC±PSPsCḥ CÍPμCḥC†PμPIPsCḥ
PSPμPrPsCÍC,P°C,PSC-CÍC,Cḥ P°CḥC,PμCḥC-P°P»CHḥPSP° PiC-PiPsC,PμPSP·C-Cḭ, C°Ps
PIPëPSPëPeP°C” PSP° PiPsC±P°C,PeCÍ P·P°CÍC,PsCÍCÍPIP°PSPSCḭ C-PSPiC-P±C-C,PsCḥC-PI
PḥPμPḥ, PjPsP¶Pμ PiCḥPëP·PIPμCÍC,Pë PrPs PiPsCḥCÍC€PμPSPSCḭ C,,CÍPSPeC†C-C—
PSPëCḥPsPe,B CÍ PrPμCḭPePëC... PIPëPiP°PrPeP°C... Bḥ” C-P· PIPëPSPëPePSPμPSPSCḭPj
PiPsCÍC,CḥPsC— PSPëCḥPePsPIPsC— PSPμPrPsCÍC,P°C,PSPsCÍC,C-, CḭPeP°
P·P°P·PIPëC±P°PNḥ C” PsP±PsCḥPsC,PSPsCḥ.

PJ PrPμCḭPePëC... PiP°C†C-C”PSC,C-PI P· PrPIPsP±C-C±PSPëPj CÍC,PμPSPsP·PsPj
PSPëCḥPePsPIPëC... P°CḥC,PμCḥC-PNḥ P°P±Ps CÍC,PμPSPsP·PsPj P°CḥC,PμCḥC-C—
C”PrPëPSPsC— PSPëCḥPePë PiCḥPë P·P°CÍC,PsCÍCÍPIP°PSPSC- C-PSPiC-P±C-C,PsCḥC-PI
PḥPμPḥ CÍPiPsCÍC,PμCḥC-PiP°P»PsCÍCḭ P·P±C-P»CHḥC€PμPSPSCḭ CḥC-PIPSCḭ
CÍPμC±PsPIPëPSPë PeCḥPsPIC- C,P° PeCḥPμP°C,PëPSC-PSCÍ PI CÍPëCḥPsPIP°C,C†C-
PeCḥPsPIC-, CḭPeC- P·P°P·PIPëC±P°PNḥ PiPsPIPμCḥC,P°P»PëCÍCḭ PrPs PSPsCḥPjPë PiC-CÍP»Cḭ
PiCḥPëPiPëPSPμPSPSCḭ P»C-PeCÍPIP°PSPSCḭ. PiPμ PsCÍPsP±P»PëPIPs
CÍC,PsCÍCÍC”C,CHḥCÍCḭ PiP°C†C-C”PSC,C-PI C-P· PSPëCḥPePsPIPsCḥ
PSPμPrPsCÍC,P°C,PSC-CÍC,Cḥ. PμCḥPë PSP°CḭPIPSPsCÍC,C- CÍCÍPiCÍC,PSCHḥPsC—
CḥPμPSPsPIP°CÍPeCÍP»CḭCḥPSPsC— PiC-PiPμCḥC,PμPSP·C-C— CḥPëP·PëPe
PIPëPSPëPePSPμPSPSCḭ C,CḭP¶PePsC— P°CḥC,PμCḥC-P°P»CHḥPSPsC— PiC-PiPsC,PμPSP·C-C—
C,P° PSPëCḥPePsPIPsC— PSPμPrPsCÍC,P°C,PSPsCÍC,C- PiC-PrPIPëC°CÍC”C,CHḥCÍCḭ. P”P»Cḭ
C,P°PePëC... PiP°C†C-C”PSC,C-PI P»C-PeCÍPIP°PSPSCḭ CÍP»C-Pr CḥPsP·PiPsC±PëPSP°C,Pë
PiC-Pr CḥPμC,PμP»CHḥPSPëPj CÍPiPsCÍC,PμCḥPμP¶PμPSPSCḭPj P»C-PeP°CḥCḭ P·
PjP°P»PμPSCHḥPePëC... PrPsP·, PsP±PμCḥPμP¶PSPs C,PëC,CḥCÍCḥC±Pë PrPsP·Pë.
P’CḥP°C...PsPICÍCḥC±Pë PIPëC°PμCÍPeP°P·P°PSPμ, P»C-PeCÍPIP°PSPSCḭ
PrC-CÍCḥPμC,PëPeP°PjPë PjPsP¶Pμ CÍPiCḥPëC±PëPSPëC,Pë PIPëPSPëPePSPμPSPSCḭ
P°CḥC,PμCḥC-P°P»CHḥPSPsC— PiC-PiPsC,PμPSP·C-C—, C,PsPjCÍ C—C... PiPsC,CḥC-P±PSPs
PIC-PrPjC-PSPëC,Pë C,P° PiCḥPsPIPsPrPëC,Pë PjPsPSC-C,PsCḥPëPSPi C,,CÍPSPeC†C-C—
PSPëCḥPsPe CÍ PiPμCḥC€C- C,PëP¶PSC- P»C-PeCÍPIP°PSPSCḭ PiPμCḥPëPSPPrPsPiCḥPëP»CÍ
C,PμCḥC,-P±CÍC,PëP»P°PjC-PSCÍ.

PJ PrPμCḭPePëC... PiP°C†C-C”PSC,C-PI P· P°CḥC,PμCḥC-P°P»CHḥPSPsCḥ
PiC-PiPμCḥC,PμPSP·C-C”Cḥ, CÍ CḭPePëC... PrPs PiPsC±P°C,PeCÍ P»C-PeCÍPIP°PSPSCḭ PSPμ
P±CÍP»Ps PIPëCḭPIP»PμPSPs CḥPμPSPsPIP°CÍPeCÍP»CḭCḥPSPëC...
P·P°C...PIPsCḥCḥPIP°PSCHḥ, PIC-PrP±CÍPIP°P»PsCÍCḭ PiC-PrPIPëC°PμPSPSCḭ
CÍPμC±PsPIPëPSPë PeCḥPsPIC- C,P° PeCḥPμP°C,PëPSC-PSCÍ CÍPëCḥPsPIP°C,PePëB

PeCḡPsPIC-, P·P°P·PIPëC†P°PNë PSPµP·PSP°C†PSPµ C,P° C,PëPjC†P°CḡPsPIPµ, PsCḡPsP±P»PëPIPs
PePsP»Pë PīPµCḡPëPSPrPsPīCḡPëP»Cḡ C,PµCḡC,-P±CḡC,PëP»P°PjC-PS PīCḡPëP·PSP°C†P°P»Pë
PsPrPSPSc†P°CḡPSPs P· PrC-CḡCḡPµC,PëPePsPj. PhP»Pµ C†Pµ P±C-P»CHC€
C...P°CḡP°PeC,PµCḡPSPs PrP»Cḡ PīP°C†C-C”PSC,C-PI P· CḡPḡPµ C-CḡPSCḡCḡC†PsCḡ
PSPëCḡPePsPIPsCḡ PSPµPrPsCḡC,P°C,PSC-CḡC,Cḡ. PhPsPḡPµ P±CḡC,Pë
PSPµPsP±C...C-PrPSPëPj P·PSPëPḡPµPSPSCḡ PrPsP·Pë C,P°/P°P±Ps PIC-PrPjC-PSP°
PrC-CḡCḡPµC,PëPeP° C,P°/P°P±Ps PīPµCḡPëPSPrPsPīCḡPëP»Cḡ C,PµCḡC,-
P±CḡC,PëP»P°PjC-PSCḡ.

PµP°C†C-C”PSC,Pë, CḡPeC- PīPµCḡPµP±CḡPIP°CḡC,CH PSP° PīPµPjPsPrC-P°P»C-P·C-.
PµPsPIC-PrPsPjP»CḡP»PsCḡCḡ PīCḡPs PIPëPīP°PrPePë PIPëPSPëPePSPµPSPSCḡ
P°PSP°C,,C-P»P°PeC,PsC—PrPSPëC... CḡPµP°PeC†C-PNë Cḡ PīP°C†C-C”PSC,C-PI, CḡPeC-
PīCḡPëPNëPjP°P»Pë C-PSPiC-P±C-C,PsCḡPë PhPµPḡ PīC-Pr C†P°Cḡ PīPµCḡPµP±CḡPIP°PSPSCḡ
PSP° PīPµPjPsPrC-P°P»C-P·C- P· PIPëPePsCḡPëCḡC,P°PSPSCḡPj
PIPëCḡPsPePsPīCḡPsC,PsC†PSPëC... PjPµPjP±CḡP°PS. PḡP°PePëPj PīP°C†C-C”PSC,P°Pj CḡP»C-Pr
P·P°CḡC,PsCḡPsPICḡPIP°C,Pë C-PSC€PëPNë C,PëPī PrC-P°P»C-P·PSPëC... PjPµPjP±CḡP°PS
P°P±Ps PīCḡPëP·PSP°C†P°C,Pë P°PSC,PëPiC-PīPµCḡC,PµPSP·PëPIPSC- P·P°CḡPsP±Pë
C-PSC€PsPiPs PeP»P°CḡCḡ.

PµP°C†C-C”PSC,Pë PīC-CḡP»Cḡ C,CḡP°PSCḡPīP»P°PSC,P°C†C-C— PSPëCḡPePë. P”PsCḡPIC-Pr
C°%PsPrPs PīCḡPëP·PSP°C†PµPSPSCḡ PīPµCḡPëPSPrPsPīCḡPëP»Cḡ C,PµCḡC,-
P±CḡC,PëP»P°PjC-PSCḡ PīP°C†C-C”PSC,P°Pj PīC-CḡP»Cḡ PSPµC°%PsPrP°PIPSPs
PīPµCḡPµPSPµCḡPµPSPsC— PsPīPµCḡP°C†C-C— P· C,CḡP°PSCḡPīP»P°PSC,P°C†C-C—
PSPëCḡPePë PIC-PrCḡCḡC,PSC-PNë.

P PµPSPsPIP°CḡPeCḡP»CḡCḡPSP° PīC-PīPµCḡC,PµPSP·C-Cḡ.

Pj CḡP°P·C- PīCḡPëP·PSP°C†PµPSPSCḡ C-PSPiC-P±C-C,PsCḡC-PI PhPµPḡ PīP°C†C-C”PSC,P°Pj
C-P· PrPIPsP±C-C†PSPëPj CḡC,PµPSPsP·PsPj PSPëCḡPePsPIPëC... P°CḡC,PµCḡC-PNë P°P±Ps
CḡC,PµPSPsP·PsPj P°CḡC,PµCḡC-C— C”PrPëPSPsC— C,,CḡPSPeC†C-PsPSCḡCḡC†PsC—
PSPëCḡPePë PīC-PrPIPëC°%CḡC”C,CHCḡCḡ CḡPëP·PëPe PIPëPSPëPePSPµPSPSCḡ
P°CḡC,PµCḡC-P°P»CHPSPsC— PīC-PīPsC,PµPSP·C-C— C,P° PSPëCḡPePsPIPsC—
PSPµPrPsCḡC,P°C,PSPsCḡC,C- (PrPëPI. CḡPsP·PrC-P» B«PµCḡPsC,PëPīPsPeP°P·P°PSPSCḡB»).

PḡPīCḡPëCḡC,P»PëPIPëPj C,,P°PeC,PsCḡPsPj PjPsPḡPµ P±CḡC,Pë P»C-PeCḡPIP°PSPSCḡ
PrC-CḡCḡPµC,PëPeP°PjPë. P’C,CḡP°C,P° C,,CḡPSPeC†C-C— PSPëCḡPsPe PjPsPḡPµ
PīCḡPsCḡPIP»CḡC,PëCḡCḡ PjC-PSC-PjP°P»CHPSPëPjPë P·PjC-PSP°PjPë Cḡ CḡC-PIPSCḡ
PeCḡPµP°C,PëPSC-PSCḡ CḡPëCḡPsPIP°C,PePëB PeCḡPsPIC- PSP°PIC-C,CH Cḡ
PīP°C†C-C”PSC,C-PI P·C- CḡC,PµPSPsP·PsPj P°CḡC,PµCḡC-C— PsPrPSC-C”C— P· PSPëCḡPsPe.

P”C-PīPµCḡC†CḡC,P»PëPIC-CḡC,CH/P°PSPiC-PsPSPµPICḡPsC,PëC†PSPëPNë PSP°P±CḡCḡPe.

PµPsPIC-PrPsPjP»CḡP»PsCḡCḡ PīCḡPs CḡC-PrPeC-CḡPSC- PIPëPīP°PrPePë
PIPëPSPëPePSPµPSPSCḡ P°PSPiC-PsPSPµPICḡPsC,PëC†PSPsPiPs PSP°P±CḡCḡPeCḡ
PsP±P»PëC†C†Cḡ, PeC-PSC†C-PIPsPe, PīCḡP±, CḡP»PëP·PsPIPëC... PsP±PsP»PsPSPsPe,
CḡP·PëPeP°, PiPsP»PsCḡPsPIPsC— C°%C-P»PëPSPë C,P°/P°P±Ps PiPsCḡC,P°PSC- Cḡ
PīP°C†C-C”PSC,C-PI, PīC-Pr C†P°Cḡ P·P°CḡC,PsCḡCḡPIP°PSPSCḡ C-PSPiC-P±C-C,PsCḡC-PI
PhPµPḡ, Cḡ C,PsPjCḡ C†PëCḡP»C- PīPµCḡPëPSPrPsPīCḡPëP»Cḡ C,PµCḡC,-P±CḡC,PëP»P°PjC-PSCḡ
(PrPëPI. CḡPsP·PrC-P» B«PµPsP±C-C†PSC- CḡPµP°PeC†C-C—B»). PīPµ PjPsPḡPµ
CḡC,P°C,PëCḡCḡ P±CḡPrCHḡ-PePsP»Pë PīC-Pr C†P°Cḡ P»C-PeCḡPIP°PSPSCḡ. Pj C,P°PePëC...
PIPëPīP°PrPeP°C... PSPµPsP±C...C-PrPSPs C,PµCḡPjC-PSPsPIPs PIC-PrPjC-PSPëC,Pë
P»C-PeP°CḡCḡCHḡPePëPNë P·P°CḡC-P± C- PICḡC,P°PSPsPIPëC,Pë PIC-PrPīPsPIC-PrPSPëPNë
PSP°PiP»CḡPr P·P° CḡC,P°PSPsPj PīP°C†C-C”PSC,P° PrPs PīPsPIPsPiPs P·PSPëPePSPµPSPSCḡ

C#PμCḡPμP· PīC-PrPIPēC%oPμPSPēPNē CḡPēP·PēPe CḡPsP·PIPēC,PeCf
P°PSPiC-PsPSPμPICḡPsC,PēC#PSPsPiPs PSP°P±CḡCΠPeCf (PrPēPI. CḡPsP·PrC-P»
B«PμCḡPsC,PēPīPsPeP°P·P°PSPSCΠB»). P PsP·PīPsC#PēPSP°C,Pē P·P°CfC,PsCfCfPIP°PSPSCΠ
CfP°PeCfP±C-C,CḡPēP»Cf/PIP°P»CfP°CḡC,P°PSCf CfP»C-Pr PSPμ CḡP°PSC-CēPμ PSC-P¶
C#PμCḡPμP· 36 PiPsPrPēPS PīC-CfP»CΠ PīCḡPēPNēPsPjCf PsCfC,P°PSPSCHPsC— PrPsP·Pē
PīPμCḡPēPSPPrPsPīCḡPēP»Cf. Pj CḡP°P·C- PīCḡPēPīPēPSPμPSPSCΠ P»C-PeCfPIP°PSPSCΠ
CfP°PeCfP±C-C,CḡPēP»PsPj/PIP°P»CfP°CḡC,P°PSPsPj C,PμCḡP°PīC-Cḡ
PīPμCḡPēPSPPrPsPīCḡPēP»PsPj CfP»C-Pr CḡPsP·PīPsC#PēPSP°C,Pē PSPμ CḡP°PSC-CēPμ PSC-P¶
C#PμCḡPμP· 36 PiPsPrPēPS PīC-CfP»CΠ PīCḡPēPNēPsPjCf PsCfC,P°PSPSCHPsC— PrPsP·Pē
CfP°PeCfP±C-C,CḡPēP»Cf/PIP°P»CfP°CḡC,P°PSCf (PrPēPI. CḡPsP·PrC-P»Pē
B«PμCḡPsC,PēPīPsPeP°P·P°PSPSCΠB» C,P° B«P'P·P°C"PjPsPrC-CΠ P· C-PSCēPēPjPē
P»C-PeP°CḡCfCHPePēPjPē P·P°CfPsP±P°PjPē C,P° C-PSCēC- PIPēPrPē PIP·P°C"PjPsPrC-PNēB»).

PḡPrPSPsC#P°CfPSPμ P·P°CfC,PsCfCfPIP°PSPSCΠ C-PSPiC-P±C-C,PsCḡC-PI PḡPμPα P·
C-PSPiC-P±C-C,PsCḡP°PjPē PSPμPNēC,CḡP°P»CHPSPsC— PμPSPPrPsPīPμPīC,PēPrP°P·Pē (PḡP·Pμ)
(PSP°PīCḡPēPeP»P°Pr, C-P· CḡP°CfPμPeP°PrPsC,CḡPēP»PsPj), C-PSPiC-P±C-C,PsCḡP°PjPē
mTOR (PSP°PīCḡPēPeP»P°Pr, C-P· CfPēCḡPsP»C-PjCfCfPsPj, PμPIPμCḡPsP»C-PjCfCfPsPj,
C,PμPjCfPēCḡPsP»C-PjCfCfPsPj) C,P° PiP»C-PīC,PēPSP°PjPē (PSP°PīCḡPēPeP»P°Pr, C-P·
P»C-PSP°PiP»C-PīC,PēPSPsPj, CfP°PeCfP°PiP»C-PīC,PēPSPsPj, CfPēC,P°PiP»C-PīC,PēPSPsPj,
PIC-P»PrP°PiP»C-PīC,PēPSPsPj) PjPsP¶Pμ PīCḡPēP·PIPμCfC,Pē PrPs PīC-PrPIPēC%oPμPSPSCΠ
CḡPēP·PēPeCf CḡPsP·PIPēC,PeCf P°PSPiC-PsPSPμPICḡPsC,PēC#PSPsPiPs PSP°P±CḡCΠPeCf
(PSP°PīCḡPēPeP»P°Pr PSP°P±CḡCΠPeCf PrPēC...P°P»CHPSPēC... CēP»CΠC...C-PI P°P±Ps
CΠP·PēPeP°, P· PīPsCḡCfCēPμPSPSCΠPj C„CfPSPeCfC-C— PrPēC...P°PSPSCΠ P°P±Ps P±PμP·)
(PrPēPI. CḡPsP·PrC-P» B«P'P·P°C"PjPsPrC-CΠ P· C-PSCēPēPjPē P»C-PeP°CḡCfCHPePēPjPē
P·P°CfPsP±P°PjPē C,P° C-PSCēC- PIPēPrPē PIP·P°C"PjPsPrC-PNēB»). PŸP»C-Pr P·
PsP±PμCḡPμP¶PSC-CfC,Cḡ CḡPsP·PīPsC#PēPSP°C,Pē P»C-PeCfPIP°PSPSCΠ
CḡP°CfPμPeP°PrPsC,CḡPēP»PsPj, C-PSPiC-P±C-C,PsCḡP°PjPē mTOR (PSP°PīCḡPēPeP»P°Pr
CfPēCḡPsP»C-PjCfCfPsPj, PμPIPμCḡPsP»C-PjCfCfPsPj, C,PμPjCfPēCḡPsP»C-PjCfCfPsPj) C,P°
PiP»C-PīC,PēPSP°PjPē (PSP°PīCḡPēPeP»P°Pr P»C-PSP°PiP»C-PīC,PēPSPsPj,
CfP°PeCfP°PiP»C-PīC,PēPSPsPj, CfPēC,P°PiP»C-PīC,PēPSPsPj, PIC-P»PrP°PiP»C-PīC,PēPSPsPj)
PīP°CfC-C"PSC,C-PI, CΠPeC- PIP¶Pμ P·P°CfC,PsCfPsPICfCḡC,CH C-PSPiC-P±C-C,PsCḡPē
PḡPμPα.

PḡPSP°C„C-P»P°PeC,PsC—PrPSC- CḡPμP°PeCfC-C— PīC-Pr C#P°Cf PīP»P°P·PjP°C„PμCḡPμP·Cf
P»C-PīPsPīCḡPsC,PμC—PrC-PI PSPēP·CHPePsC— C%oC-P»CHPSPsCfC,C- (P·PμPḡP©).
P—CḡC-PrPeP° Cf PīP°CfC-C"PSC,C-PI, CΠPeC- PīCḡPēPNēPjP°CḡC,CH
C-PSPiC-P±C-C,PsCḡPē PḡPμPα PīC-Pr C#P°Cf PīCḡPsPIPμPrPμPSPSCΠ
PīP»P°P·PjP°C„PμCḡPμP·Cf P»C-PīPsPīCḡPsC,PμC—PrC-PI PSPēP·CHPePsC—
C%oC-P»CHPSPsCfC,C- (P·PμPḡP©) P· PIPēPePsCḡPēCfC,P°PSPSCΠPj
PrPμPeCfC,CḡP°PSCfCfP»CHC„P°C,Cf, PIPēPSPēPeP°P»Pē PSPμP±PμP·PīPμC#PSC-
PrP»CΠ P¶PēC,C,CΠ P°PSP°C„C-P»P°PeC,PsC—PrPSC- CḡPμP°PeCfC-C—.
P PsP·PIPēC,PeCf P°PSP°C„C-P»P°PeC,PsC—PrPSPēC... CḡPμP°PeCfC-PNē PjPsP¶PSP°
CfPSPēPePSCfC,Pē, CΠPeC%oPs PīPμCḡPμPr PīCḡPsPIPμPrPμPSPSCΠPj PePsP¶PSPsPiPs
PīP»P°P·PjP°C„PμCḡPμP·Cf C,PēPjC#P°CfPsIPs PīCḡPēPīPēPSCΠC,Pē
P»C-PeCfPIP°PSPSCΠ C-PSPiC-P±C-C,PsCḡP°PjPē PḡPμPα.

PḡPSP°C„C-P»P°PeC,PsC—PrPSC- CḡPμP°PeCfC-C— PīC-Pr C#P°Cf
PrPμCfPμPSCfPēP±C-P»C-P·CfCḡC#PsC— C,PμCḡP°PīC-C—. Pj PīP°CfC-C"PSC,C-PI, CΠPeC-
PīCḡPēPNēPjP°CḡC,CH C-PSPiC-P±C-C,PsCḡPē PḡPμPα PīC-Pr C#P°Cf
PrPμCfPμPSCfPēP±C-P»C-P·CfCḡC#PsPiPs P»C-PeCfPIP°PSPSCΠ (PSP°PīCḡPēPeP»P°Pr,
P»C-PeP°CḡCfCHPeC- P·P°CfPsP±Pē, C%oPs PjC-CfC,CΠC,CH P±PrP¶PsP»PēPSCf

PsC, C₇CrC, Cr) PjPsP₇CrC, CH PIP₆PSP₆PeP^oC, P₆ P^oPSP^oC, C-P₆»P^oPeC, PsC—PrPSC—
C₇P₆P^oPeC†C—C—, C₇PeC—P·P^oPiC₇PsP₇CrC₇C, CH P₇P₆C, C, C₇. P₇P₆C... C₇P₆P^oPeC†C—P₆
PjPsP₇PSP^o CrPSP₆PePSC₇C, P₆ PiC₇P₆ C, P₆PjC†P^oCl₇PsPIPsPjCr PiC₇P₆PiP₆PSP₆PSPSC—
P·P^oCl₇C, PsCl₇CrPIP^oPSPSC₇ C—PSPiC—P±C—C, PsC₇C—PI P₇P₆P₆, P^oP₆»P₆ C₇P₆P^oPeC†C—
PjPsP₇CrC, CH PIP₆PSP₆PePSC₇C, P₆ P·PSPsPIC₇ PiC₇P₆ PSP₆PsP±P₆C₇P₆P₇PSPsPjCr
PiC₇PsPIP₆PrP₆PSPSC— PiC₇PsPIPsPeP^oC†C—P₆PSP₆C... PiC₇PsP±.

P₆P₆C†C—PSPePsPIP^o PSP₆PrPsCl₇C, P^oC, PSC—Cl₇C, CH. P C—PrPePs P·P^oCl₇C, PsCl₇CrPIP^oPSPSC₇
C—PSPiC—P±C—C, PsC₇C—PI P₇P₆P₆ P^oCl₇PsC†C—C₇PIP^oP₆»PsCl₇C₇ P· PIP₆PSP₆PePSP₆PSPSC₇Pj
Cl₇P₆PSP₇CrC₇Cr, C₇Ps C₇PsP·PiPsC†P₆PSP^oC₇C, CHCl₇C₇ P·
C...PsP₆»P₆Cl₇C, P^oC, P₆C†PSPsC— P₇PsPIC, C₇PSP₆C†C— C— PiC₇PsPiC₇P₆Cl₇CrC” PrPs
C₆PIP₆PrPePsPiP₆»P₆PSPSPsPiPs PSP₆PeC₇PsP·Cr PiP₆C†C—PSPeP₆, C—PSPePsP₆»P₆ P·
P₆»P₆C, P^oP₆»CHPSP₆Pj PSP^oCl₇P₆—C—PrPePsPj. P₆P₆C...P^oPSC—P·Pj C†CHPsPiPs Cl₇P₆PSP₇CrC₇PsPjCr
PSP₆C₇Cl₇PSP₆P₆.B P₆P^oC†C—C”PSC, P^oPj, Cr C₇PeP₆C... PiC—Pr C†P^oCl₇ PiC₇P₆P₆PsPjCr
C—PSPiC—P±C—C, PsC₇C—PI P₇P₆P₆ C₇PsP·PIP₆PSC₇P₆»P^oCl₇C₇ P₇PsPIC, C₇PSP₆C†C₇B P^oP±Ps
Cl₇PiPsC₇C, P₆C₇C—PiP^oC₇C, CHCl₇C₇ PiC—PrPIP₆C₇»P₆PSPSC₇ C₇C—PIPSC₇
PiP₆C†C—PSPePsPIP₆C... C₇, P₆C₇PjP₆PSC, C—PI, Cl₇P₆»C—Pr PiC₇P₆PiP₆PSP₆C, P₆ PiC₇P₆P₆PsPj
C—PSPiC—P±C—C, PsC₇P^o P₇P₆P₆ C, P^o P·P^oP±P₆P·PiP₆C†P₆C, P₆ PIC—PrPiPsPIC—PrPSP₆
PjP₆PrP₆C†PSP₆ PsP±Cl₇C, P₆P₇P₆PSPSC₇ C— P₆»C—PeCrPIP^oPSPSC₇ (PrP₆PI. C₇PsP·PrC—P₆»
B«P₆PsP±C—C†PSC— C₇P₆P^oPeC†C—C—B»).

P₆P₆P₆C, C₇PsPiP₆PSC—C₇/P^oPiC₇P^oPSC₇P₆»PsC†P₆C, PsP·, C, C₇PsPjP±PsC†P₆C, PsPiP₆PSC—C₇
C, P^o P^oPSP₆PjC—C₇

P₇P₆C₇P₆Pr PiP^oC†C—C”PSC, C—PI, C₇PeC— PiC₇P₆P₆PjP^oC₇C, CH C—PSPiC—P±C—C, PsC₇P₆
P₇P₆P₆, P±CrP₆»Ps P·P^oC₇P₆C”Cl₇C, C₇PsPIP^oPSPs PIP₆PiP^oPrPeP₆
PSP₆P₆C, C₇PsPiP₆PSC—C—/P^oPiC₇P^oPSC₇P₆»PsC†P₆C, PsP·Cr,
C, C₇PsPjP±PsC†P₆C, PsPiP₆PSC—C— C, P^o P^oPSP₆PjC—C—. Pj PiP^oC†C—C”PSC, C—PI P·
PSPsC₇PjP^oP₆»CHPSPsC₇ C₇, CrPSPeC†C—C”C₇ PSP₆C₇PsPe C, P^o PiC₇P₆
PIC—PrCl₇CrC, PSPsCl₇C, C— C—PSC₆PeC... C₇, P^oPeC, PsC₇C—PI C₇P₆P₆»P₆PeCr
PSP₆P₆C, C₇PsPiP₆PSC—C₇ PIP₆PSP₆PeP^oC” C₇C—PrPePs. P₆P₆C₇P₆PSP₇PsPiC₇P₆P₆» Cl₇P₆—C—Pr
PiC₇P₆P₆·PSP^oC†P^oC, P₆ PrCrP₇P₆ PsP±P₆C₇P₆P₇PSPs PiP^oC†C—C”PSC, P^oPj C—P·B
PePsP₆»P₆PiP₆PSPsP·PsPj, PiC—Pr C†P^oCl₇ C, P₆C₇P^oPiC—C— C—PjCrPSPsCl₇CrPiC₇P₆Cl₇PsC₇P^oPjP₆,
P^oP₆»PsPiCrC₇P₆PSPsP₆»PsPj P^oP±Ps PiC₇PsPeP^oC—PSP^oPjC—PrPsPj, P^oP±Ps PiC₇P₆
PiPsC”PrPSP^oPSPSC— C†P₆C... PsP±C, C₇P₇P₆»P₆PIP₆C... C₇, P^oPeC, PsC₇C—PI, PsCl₇PsP±P₆»P₆PIPs
C₇PeC₇»Ps C” PiPsC₇CrC₆P₆PSPSC₇ C₇, CrPSPeC†C—C— PSP₆C₇PsPe. Pj PrP₆PePsPiPs P·
C, P^oPeP₆C... PiP^oC†C—C”PSC, C—PI PIP₆P·PSP^oC†P^oPiC₇C₇ C₇PsP·PIP₆C, PsPe
Cl₇P₆C₇P₆PsP·PSP₆C... C—PSC₇, P₆PeC†C—P₆PSP₆C... P·P^oC...PIPsC₇C₇PIP^oPSCH, C₇PeC— PI
PrP₆PeC—P₆»CHPePsC... PIP₆PiP^oPrPeP^oC... PSP₆ PIC—PrPiPsPIC—PrP^oP₆»P₆ PSP^o
C—PSC, P₆PSC₇P₆PIPSC₇ P^oPSC, P₆P±C—PsC, P₆PePsC, P₆C₇P^oPiC—C₇. Pj C₇P^oP·C—
P·P^oCl₇C, PsCl₇CrPIP^oPSPSC₇ PiP₆C₇P₆PSP₇PsPiC₇P₆P₆»Cr C, P^oPeP₆Pj PiP^oC†C—C”PSC, P^oPj
C₇P₆PePsPjP₆PSP₇CrC”C, CHCl₇C₇ PiP₆C₇C—PsPrP₆C†PSPs PePsPSC, C₇PsP₆»CHPIP^oC, P₆
PeC—P₆»CHPeC—Cl₇C, CH P₆»P₆P₆PePsC†P₆C, C—PI Cr PeC₇PsPIC—. P₇P^oPePsP₇ PiP^oC†C—C”PSC, P₆
PjP^oC₇C, CH P·PSP^oC, P₆, C₇»Ps PSP₆PsP±C...C—PrPSPs Cl₇PiPsPIC—C₇»P^oC, P₆ PiC₇Ps
P±CrPrCH—C₇PeP₆P₆ PiC₇PsC₇PI C—PSC₇, P₆PeC†C—P₆PSPsPiPs P·P^oC...PIPsC₇C₇PIP^oPSPSC₇
(P±C—P₆»CH Cr PiPsC₇P₆»C—, PiP^oC₇C₇C†PeCr).

P P^oCl₇PsPIC— PsCl₇PsP±P₆»P₆PIPsCl₇C, C—, P†PSPiC—P±C—C, PsC₇P₆ P₇P₆P₆ C†P^oCl₇C, C—C₆P₆
Cl₇PiC₇P₆C†P₆PSC₇C₇C, CH PIP₆PSP₆PePSP₆PSPSC₇ P^oPSPiC—PsPSP₆PIC₇PsC, P₆C†PSPsPiPs
PSP^oP±C₇C₇PeCr Cr PiP^oC†C—C”PSC, C—PI PSP₆PiC₇PsC—PrPSPsC— C₇P^oCl₇P₆, PSC—P₇ Cr
PiP^oC†C—C”PSC, C—PI C—PSC₆PeC... C₇P^oCl₇. P₆P₆C₇P₆PSP₇PsPiC₇P₆P₆», C₇Pe C— C—PSC₆C—
C—PSPiC—P±C—C, PsC₇P₆ P₇P₆P₆, PjP₆PSC₆ P₆C₇, P₆PeC, P₆PIPSPs P·PSP₆P₇CrC”

C, C₇H₆P₆J₆P₆C, PsP₆C₇H₆P₆J₆/C₇C₇P₆»C₇H₆C, „P₆P₆J₆P₆C, PsP₆C₇P₆°P₆·PsP₆»), PsC₇P₆PsP₆±P₆»P₆PIPs
P₆°PSC, P₆PiPsPSC-C₇C, C-PI P₆°P₆»C₇H₆PrPsC₇C, P₆C₇H₆PsPSCr P₆P±Ps P±P₆»PsP₆P₆°C, PsC₇C-PI
C₇H₆P₆C†P₆PiC, PsC₇C-PI P₆°PSPiC-PsC, P₆μPSP·P₆PSCr. P—P₆°C₇C, PsC₇C₇PiP₆°PSPSC₇
C...P₆°C₇C†PsPIP₆C... PrPsP±P₆°PIPsPe, C₇%Ps PjC-C₇C, C₇C, C₇H₆ PeP₆°P₆»C-PN₆,
PeP₆°P₆»C-PN₆·P±P₆μC₇C-PiP₆°C₇C†P₆C... PrC-C₇C₇H₆P₆C, P₆PeC-PI P₆P±Ps P·P₆J₆C-PSPSP₆PeC-PI
C₇P₆PsP₆»C- P· PeP₆°P₆»C-C₇Pj, PsC₇P₆PsP±P₆»P₆PIPs Cr PiP₆°C†C-C₇PSC, C-PI C-P·
PiPsC₇C₇C†C†P₆μPSPSC₇PjP₆ C,, CrPSP₆C†C-C— PSP₆C₇H₆PsPe, PjPsP₆¶P₆ PiC₇H₆P₆·PiP₆C₇C, P₆ PrPs
P·PSP₆C†PSP₆PiPs PiC-PrPIP₆C₇%P₆μPSPSC₇ C₇C-PIPS₇ PeP₆°P₆»C-C₇ Cr C₇P₆C₇H₆PsPIP₆°C, C†C-
PeC₇H₆PsPIC-. P₆°C-PiP₆μC₇H₆PeP₆°P₆»C-C₇PjC-C₇ PjPsP₆¶P₆ C₇PiC₇H₆P₆C†P₆PS₆PeC, P₆
PIP₆PS₆PePSP₆μPSPSC₇ C₇P₆μC₇PN₆PsP·PSPSC—, C-PSP₆PrC- P₆μC, P₆°P₆»C₇H₆PS₆C—
P₆°C₇H₆PeC, PjC-C—. P₆μP₆C†C-C₇PSC, P₆Pj, C₇PeC- PiC₇H₆PePN₆PjP₆°C₇C, C₇H₆ C-PSPiC-P±C-C, PsC₇H₆P₆
P₆μP₆α, C₇P₆»C-Pr P· PsP±P₆μC₇H₆P₆¶PSC-C₇C, C₇ PiC₇H₆P₆·PSP₆C†P₆°C, P₆
PeP₆°P₆»C-PN₆·P±P₆μC₇C-PiP₆°C₇C†C- PrC-C₇C₇H₆P₆C, P₆PeP₆ C, P₆° P±P₆»PsP₆P₆°C, PsC₇H₆P₆
C₇H₆P₆C†P₆PiC, PsC₇C-PI P₆°PSPiC-PsC, P₆μPSP·P₆PSCr, P₆° C, P₆°PePsP₆¶ PiC₇H₆PsIPsPrP₆C, P₆
C₇H₆P₆C, P₆μP₆»C₇H₆PS₆PN₆ PjPsPSC-C, PsC₇H₆P₆PS₆Pi C₇C-PIPS₇ PeP₆°P₆»C-C₇ Cr
C₇P₆C₇H₆PsPIP₆°C, C†C- PeC₇H₆PsPIC- C, P₆° C,, CrPSP₆C†C-PN₆ PSP₆C₇H₆PsPe. PiPeC₇%Ps
PsPrPSP₆C†P₆°C₇PSP₆μ P·P₆°C₇C, PsC₇C₇PiP₆°PSPSC₇ PiP₆μC₇H₆P₆PS₆PrPsPiC₇H₆P₆»C₇ C, P₆
P±C₇PrC₇-C₇PePsC— P· PIP₆C₇%P₆μP·P₆°PSP₆C†P₆μPSP₆C... C₇H₆P₆C†PsPIP₆PS
PIPIP₆°P₆°C, C₇H₆C₇C₇ PrPsC₇H₆C†PSP₆Pj, C—C... C₇P₆»C-Pr P·P₆°C₇C, PsC₇P₆PiC₇PiP₆°C, P₆ P·
PsP±P₆μC₇H₆P₆¶PSC-C₇C, C₇ C, P₆° P· C†P₆°C₇C, P₆Pj PjPsPSC-C, PsC₇H₆P₆PS₆PiPsPj C₇C-PIPS₇
PeP₆°P₆»C-C₇ Cr C₇P₆C₇H₆PsPIP₆°C, C†C- PeC₇H₆PsPIC- (PrP₆PI. C₇H₆PsP·PrC-P» B«P·P·P₆°C₇PjPsPrC-C₇
P· C-PSC₆PePjP₆ P»C-PeP₆°C₇C₇H₆PeP₆PjP₆ P·P₆°C₇PsP±P₆PjP₆ C, P₆° C-PSC₆C- PIP₆PrP₆
PIP·P₆°C₇PjPsPrC-PN₆B»).

P₆μP₆C†C-C₇PSC, P₆Pj, C...PIPsC₇H₆P₆Pj PSP₆ C†C₇PeC₇H₆PsPIP₆PN₆ PrC-P₆P±P₆μC,, C₇PeC-
PiC₇H₆PePN₆PjP₆°C₇C, C₇H₆ PiP₆μC₇H₆PsC₇P₆»C₇H₆PS- C†C₇PeC₇H₆PsP·PSP₆P₆¶C₇PiP₆°P₆»C₇H₆PS-
P·P₆°C₇PsP±P₆ P₆P±Ps PsC, C₇H₆P₆PjC₇C₇C, C₇H₆ C-PSC₇C₇P₆»C-PS, PSP₆μPsP±C...C-PrPSP₆
C₇H₆P₆C, P₆μP₆»C₇H₆PS₆ PePsPSC, C₇H₆PsP₆»C₇H₆PiP₆°C, P₆ C₇C-PIP₆μPSCH₆ PiP₆»C-PeP₆μPjC-C—
PiC₇H₆PsC, C₇PiPsPj PiP₆μC₇C†PsPiPs PjC-C₇C₇C†C₇ C, P₆μC₇H₆P₆PiC-C—
C-PSPiC-P±C-C, PsC₇H₆P₆PjP₆ P₆μP₆α (PrP₆PI. C₇H₆PsP·PrC-P» B«P·P·P₆°C₇PjPsPrC-C₇ P·
C-PSC₆PePjP₆ P»C-PeP₆°C₇C₇H₆PeP₆PjP₆ P·P₆°C₇PsP±P₆PjP₆ C, P₆° C-PSC₆C- PIP₆PrP₆
PIP·P₆°C₇PjPsPrC-PN₆B»).

P₆»C-C, C-PN₆. P₆μPrPSP₆C†P₆°C₇PSP₆PN₆ PiC₇H₆PePN₆PsPj P»C-C, C-C₇ C, P₆
PiP₆μC₇H₆P₆PS₆PrPsPiC₇H₆P₆»C₇ P·P₆°P·PIP₆C†P₆°PN₆ PSP₆μ C₇H₆μPePsPjP₆μPSP₆PrPsPIP₆°PSP₆PN₆
(PrP₆PI. C₇H₆PsP·PrC-P» B«P·P·P₆°C₇PjPsPrC-C₇ P· C-PSC₆PePjP₆
P»C-PeP₆°C₇C₇H₆PeP₆PjP₆ P·P₆°C₇PsP±P₆PjP₆ C, P₆° C-PSC₆C- PIP₆PrP₆
PIP·P₆°C₇PjPsPrC-PN₆B»).

P₆μPrPSP₆C†P₆°C₇PSP₆μ P·P₆°C₇C, PsC₇C₇PiP₆°PSPSC₇ PiP₆μC₇H₆P₆PS₆PrPsPiC₇H₆P₆»C₇ P·
PeP₆°P₆»C-PN₆·P±P₆μC₇C-PiP₆°C₇C†P₆PjP₆ PrC-C₇C₇H₆P₆C, P₆PeP₆°PjP₆, C...P₆°C₇C†PsPIP₆PjP₆
PrPsP±P₆°PIPeP₆°PjP₆, C₇%Ps PjC-C₇C, C₇C, C₇H₆ PeP₆°P₆»C-PN₆, P₆°P±Ps C-P·
P·P₆°PjC-PSPSP₆PeP₆°PjP₆ C₇P₆PsP₆»C- P· PeP₆°P₆»C-C₇Pj PSP₆μ C₇H₆μPePsPjP₆μPSP₆CrC₇C, C₇H₆C₇C₇
(PrP₆PI. C₇H₆PsP·PrC-P» B«P·P·P₆°C₇PjPsPrC-C₇ P· C-PSC₆PePjP₆ P»C-PeP₆°C₇C₇H₆PeP₆PjP₆
P·P₆°C₇PsP±P₆PjP₆ C, P₆° C-PSC₆C- PIP₆PrP₆ PIP·P₆°C₇PjPsPrC-PN₆B»).

P₆μPsPrPIC-PN₆PSP₆ P±P₆»PsP₆P₆°PrP₆° C₇H₆μPSC-PS-P₆°PSPiC-PsC, P₆μPSP·P₆PS-
P₆°P₆»C₇H₆PrPsC₇C, P₆μC₇H₆PsPSP₆PIPsC— C₇P₆C₇C, P₆μPjP₆ (P P₆μP₆μ). P†C₇PSC₇C₇C, C₇H₆
PrP₆°PSC-, C₇%Ps PsPrPSP₆C†P₆°C₇PSP₆PN₆ PiC₇H₆PePN₆PsPj C-PSPiC-P±C-C, PsC₇C-PI
P₆μP₆α, P±P₆»PsP₆P₆°C, PsC₇C-PI C₇H₆μC†P₆PiC, PsC₇C-PI P₆°PSPiC-PsC, P₆μPSP·P₆PSCr
P†P† P₆°P±Ps P₆°P₆»C-C₇PeC-C₇H₆μPSCr PiC-PrPIP₆C₇%C₇C₇ C₇H₆P₆·P₆Pe

PIPëPSPëPePSPµPSPSCΠ P°CḡC,PµCḡC-P°P»CHbPSPsC— PiC-PiPsC,PµPSP·C-C—,
 PiC-PiPµCḡPeP°P»C-C"ḡC-C— C,P° P·PSPëP¶PµPSPSCΠ C,,CfPSPeC†C-C— PSPëCḡPsPe
 (PIPeP»CḡC†P°CḡC†Pë PiPsCḡC,CḡCf PSPëCḡPePsPICr PSPµPrPsCḡC,P°C,PSC-CḡC,Cḡ).
 PŷPsPjCf PiPsPrPIC-PNëPSP° P±P»PsPeP°PrP° P PhPḡPŷ C€P»CΠC...PsPj
 PsPrPSPsC†P°CḡPSPsPiPs PiCḡPëPNëPsPjCf C-PSPiC-P±C-C,PSCḡC-PI PhPµPα,
 P±P»PsPeP°C,PSCḡC-PI CḡPµC†PµPiC,PSCḡC-PI P°PSPiC-PsC,PµPSP·PëPSCr P†P†
 P°P±Ps P°P»C-CḡPeC-CḡPµPSCr PSPµ CḡPµPePsPjPµPSPrPsPIP°PSP° (PrPëPI.
 CḡPsP·PrC-P» B«P'P·P°C"ḡPjPsPrC-CΠ P· C-PSC€PëPjPë P»C-PeP°CḡCḡCHbPePëPjPë
 P·P°CḡPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C"ḡPjPsPrC-PNëB»). PİPeC%oPs
 P»C-PeCfPIP°PSPSCΠ P· PsPrPSPsC†P°CḡPSPëPj P·P°CḡC,PSCḡCfPIP°PSPSCΠPj
 PrPIPSC... P±P»PsPeP°C,PSCḡC-PI P PhPḡPŷ PIPiP°P¶P°C"C,CHCḡCΠ
 P°P±CḡPsP»CḡC,PSPs PSPµPsP±C...C-PrPSPëPj, PIPsPSPs PjPsP¶Pµ
 PIC-PrP±CfPIP°C,PëCḡCΠ C,C-P»CHbPePë PiC-Pr PSP°PiP»CΠPrPsPj
 CḡPiPµC†C-P°P»C-CḡC,P° C,P° P·P° CfPjPsPIPë C†P°CḡC,PSPiPs CḡPµC,PµP»CHbPSPsPiPs
 PjPsPSC-C,PSCḡPëPSPiCf C,,CfPSPeC†C-C— PSPëCḡPsPe, CḡC-PIPSCΠ
 PµP»PµPeC,CḡPsP»C-C,C-PI C,P° P°CḡC,PµCḡC-P°P»CHbPSPsPiPs C,PëCḡPeCf.
 P†PSPiC-P±C-C,PSCḡPë PhPµPα C,P° P±P»PsPeP°C,PSCḡPë CḡPµC†PµPiC,PSCḡC-PI
 P°PSPiC-PsC,PµPSP·PëPSCr P†P† PSPµ CḡP»C-Pr P·P°CḡC,PSCḡPsPICrPIP°C,Pë
 PsPrPSPsC†P°CḡPSPs PiP°C†C-C"PSC,P°Pj C-P· PrC-P°P±PµC,PëC†PSPsCḡ
 PSPµC,,CḡPsPiP°C,C-C"ḡC.

PµPµCḡPIPëPSPSPëPNë P°P»CHbPrPsCḡC,PµCḡPsPSC-P·Pj. PµP°C†C-C"PSC,Pë P·
PiPµCḡPIPëPSPSPëPj PiC-PiPµCḡP°P»CHbPrPsCḡC,PµCḡPsPSC-P·PjPsPj P·P°P·PIPëC†P°PNë PSPµ
PIC-PrPiPsPIC-PrP°CḡC,Cḡ PSP° P»C-PeCfPIP°PSPSCΠ
P°PSC,PëPiC-PiPµCḡC,PµPSP·PëPIPSPëPjPë P»C-PeP°CḡCḡCHbPePëPjPë
P·P°CḡPsP±P°PjPë, CΠPeC- PrC-CḡC,Cḡ C€P»CΠC...PsPj PiCḡPëPiPSC-C†PµPSPSCΠ
CḡPµPSC-PS-P°PSPiC-PsC,PµPSP·PëPSPsPIPsC— CḡPëCḡC,PµPjPë. PŷPsPjCf C,P°PePëPj
PiP°C†C-C"PSC,P°Pj P·P°CḡC,PSCḡPsPICrPIP°C,Pë PrP°PSPëPNë P»C-PeP°CḡCḡCHbPePëPNë
P·P°CḡC-P± PSPµ CḡPµPePsPjPµPSPrCfC"C,CHCḡCΠ.

P"PsPiPsPjC-P¶PSC- CḡPµC†PsPIPëPSPë.

P"Ps CḡPeP»P°PrCf P»C-PeP°CḡCḡCHbPePsPiPs P·P°CḡPsP±Cf PIC...PsPrPëC,Cḡ P»P°PeC,PSP·P°,
 C,PSPjCf PiP°C†C-C"PSC,P°Pj C-P· CḡC-PrPeC-CḡPSPsCḡ CḡPiP°PrPePsPIPsCḡ
 PSPµPiPµCḡPµPSPsCḡPëPjC-CḡC,Cḡ PiP°P»P°PeC,PSP·Pë, CḡPëPSPrCḡPsPjPsPj
 PjP°P»CHbP°P±CḡPsCḡP±C†C-C— PiP»CḡPePsP·Pë-PiP°P»P°PeC,PSP·Pë,
 PSPµPrPsCḡC,P°C,PSC-CḡC,Cḡ P»P°PeC,P°P·Pë P·P°PiP° PSPµ
 CḡPµPePsPjPµPSPrCfC"C,CHCḡCΠ PiCḡPëPNëPjP°C,Pë P»C-PeP°CḡCḡCHbPePëPNë P·P°CḡC-P±
 PhP·P†PŷP·P .

*P—P°CḡC,PSCḡCžPIP°PSPSCΠ Cž PiPµCḡC-PsPr PIP°PiC-C,PSPsCḡC,C- P°P±Ps
 PiPsPrCžPIP°PSPSCΠ PiCḡCžPrPrCḡ.*

P'P°PiC-C,PSC-CḡC,Cḡ

P>C-PeP°CḡCḡCHbPePëPNë P·P°CḡC-P± PiCḡPsC,PëPiPsPeP°P·P°PSPs

P·P°CÍ'C,PsCÍ'PsPICrPIP°C,Pë PIP°PiC-C,PSpëPj P°P±Ps P¶C-PSPeP°Pj, C¶PeC-
PïP»P°PSCrC¶C,CH P·P°PIP°PiC-C,PSC-C,Pë. PïPeC%Ps PiC-Pr C‡P°CÍ'
P·P°CÍ'C,PsCÍ'CrPIP°PSPSC¶ P»C-PeP°C¶CÍ'CHPePsPiPs P·P°CÍ'Ps±CÍ' PhP·P†PÿP·P
PiC-PrC,PIPµC¶PrP¶CÍ'C",CHCÍ'CI PIP°PiC-C,PSC-CÍ'C,CH, PNPsPiPs
P·P°CÍ'C,PsCÍ'CrPIP°PSPSC¶ PSPµPsP±C...C-PrPSPs PSPµPiP°PNsPSPs PiC¶PëPiPëPSPëC,Pë C-
P·P°PjC-PSpëC,Pë C-PSCëPëPj P»C-PeP°C¶CÍ'CHPePëPj P·P°CÍ'PsP±PsPj, PrPsP·PIPsP»PµPSPëPj
PrPs P·P°CÍ'C,PsCÍ'CrPIP°PSPSC¶ PIP°PiC-C,PSpëPj.

Pj PIPëPiP°PrPeCÍ', C¶PeC%Ps P¶C-PSPeP° PiC¶PëPNsPjP°P»P° C-PSPiC-P±C-C,PsC¶ PhPµPα
PiC-Pr C‡P°CÍ' P†P† C,C¶PëPjPµCÍ'C,C¶CÍ' PIP°PiC-C,PSPsCÍ'C,C-, PrPëC,PëPSC-
C¶PµPePsPjPµPSPPrPsPIP°PSPs PiC¶PsPIPµCÍ'C,Pë CÍ'P»CHC,C¶P°P·PICrPePsPIPµ
PrPsCÍ'P»C-PrP¶PµPSPSC¶ C,,CÍ'PSPeC†C-C— PSpëC¶PsPe C,P° PeC-CÍ'C,PsPe C‡PµC¶PµPiP°.
PáPsPIPsPSP°C¶PsPrP¶PµPSC-, PjP°C,PµC¶C- C¶PePëC... PiC¶PëPNsPjP°P»Pë
C-PSPiC-P±C-C,PsC¶Pë PhPµPα CÍ' PiPµC¶C-PsPr PIP°PiC-C,PSPsCÍ'C,C-, PjP°C¶C,CH
P·PSP°C...PsPrPëC,PëCÍ'CI PiC-Pr C¶PµC,PµP»CHPSPëPj PSP°PiP»C¶PrPsPj C‡PµC¶PµP·
PjPsP¶P»PëPIC-CÍ'C,CH PIPëPSPëPePSPµPSPSC¶ P°C¶C,PµC¶C-P°P»CHPSPsC—
PiC-PiPsC,PµPSP·C-C—.

PµPµC¶C-PsPrB PiPsPrCáPIP°PSPSC¶ PiC¶CáPrPrC¶

PáPµ C¶PµPePsPjPµPSPPrCÍ'C",CHCÍ'CI P·P°CÍ'C,PsCÍ'CrPIP°PSPSC¶
PïPµC¶PëPSPPrPsPiC¶PëP»CÍ' C,PµC¶C,-P±CÍ'C,PëP»P°PjC-PSCr CÍ' PïPµC¶C-PsPr
PiPsPrCÍ'PIP°PSPSC¶ PiC¶CÍ'PrPrC¶ CÍ' P·PIB¶™ C¶P·PeCÍ' P· PIC-PrCÍ'CrC,PSC-CÍ'C,C¶
PrP°PSPëC... C%PsPrPs PNsPiPs PiC¶PsPSPëPePSPµPSPSC¶ CÍ' PiC¶CÍ'PrPSPµ PjPsP»PsPePs.
PµC-Pr C‡P°CÍ' PiPsPrCÍ'PIP°PSPSC¶ PiC¶CÍ'PrPrC¶ P±P°P¶P°PSPs PiC¶PëP·PSP°C‡PëC,Pë
P°P»CHC,PµC¶PSP°C,PëIPSPµ P»C-PeCÍ'PIP°PSPSC¶ C-P· P±C-P»CHCë
PrPsCÍ'P»C-PrP¶PµPSPëPj PiC¶PsC,,C-P»PµPj P±PµP·PiPµPePë, PsCÍ'PsP±P»PëPIPs PiC-Pr
C‡P°CÍ' PiPsPrCÍ'PIP°PSPSC¶ PSPsPIPsPSP°C¶PsPrP¶PµPSPsPiPs P°P±Ps
PSPµPrPsPSPsCëPµPSPsPiPs PSPµPjPsPIP»C¶C,Pë.

PαPµC¶C,PëP»CHPSC-CÍ'C,CH

P'PïP»PëPICr PSP° C¶PµPiC¶PsPrCÍ'PeC,PëIPSCr P·PrP°C,PSC-CÍ'C,CH P°P±Ps
C,,PµC¶C,PëP»CHPSC-CÍ'C,CH PSPµ PIPëC¶PIP»PµPSPs.

-

P—PrP°C,PSC-CÍ'C,CH PIPïP»PëPIP°C,Pë PSP° CëPIPëPrPeC-CÍ'C,CH C¶PµP°PeC†C-C— PiC¶Pë
PePµC¶CáPIP°PSPSC- P°PIC,PsC,C¶P°PSCÍ'PiPsC¶C,PsPj P°P±Ps C-PSCëPëPjPë
PjPµC...P°PSC-P·PjP°PjPë.

PµPµC¶PëPSPPrPsPiC¶PëP»CÍ' C,PµC¶C,-P±CÍ'C,PëP»P°PjC-PS PSPµ PjP°C" PiC¶C¶PjPsPiPs
PIPïP»PëPICr PSP° P·PrP°C,PSC-CÍ'C,CH PePµC¶CÍ'PIP°C,Pë C,C¶P°PSCÍ'PiPsC¶C,PSPëPjPë
P·P°CÍ'PsP±P°PjPë C,P° PIPëPePsC¶PëCÍ'C,PsPICrPIP°C,Pë PjPµC...P°PSC-P·PjPë. PhP»Pµ CÍ'
PrPµC¶PePëC... PïP°C†C-C" PSC,C-PI PjPsP¶CÍ'C,CH PIPëPSPëPeP°C,Pë
C-PSPrPëPIC-PrCÍ'P°P»CHPSC- C¶PµP°PeC†C-C—, PïPsPIB¶™ C¶P·P°PSC- P·C-
P·PSPëP¶PµPSPSC¶Pj P°C¶C,PµC¶C-P°P»CHPSPsPiPs C,PëCÍ'PeCÍ', PsCÍ'PsP±P»PëPIPs PSP°
PïPsC‡P°C,PeCÍ' P»C-PeCÍ'PIP°PSPSC¶ P°P±Ps PiC¶Pë PsPrPSPsC‡P°CÍ'PSPsPjCÍ'
P·P°CÍ'C,PsCÍ'CrPIP°PSPSC- P· C-PSCëPëPjPë P°PSC,PëPiC-PiPµC¶C,PµPSP·PëIPSPëPjPë
P»C-PeP°C¶CÍ'CHPePëPjPë P·P°CÍ'PsP±P°PjPë. PïPe C¶PµP·CÍ'P»CHC,P°C,,
P·PrP°C,PSC-CÍ'C,CH PePµC¶CÍ'PIP°C,Pë C,C¶P°PSCÍ'PiPsC¶C,PSPëPjPë P·P°CÍ'PsP±P°PjPë
P°P±Ps PIPëPePsC¶PëCÍ'C,PsPICrPIP°C,Pë PjPµC...P°PSC-P·PjPë PjPsP¶Pµ P±CÍ'C,Pë

$$\text{P}\ddot{\text{P}}\text{sC}\text{T}\text{hC}\text{rC}\epsilon\text{P}\mu\text{PSP}^\circ.$$

PŸPİPsCÍC-P± P·P°CÍC,PsCÍC¿PIP°PSPSCİ C,P° P rPsP·Pë.

$P''P \gg C \downarrow \text{PiP}_{\mu} C \downarrow \text{PsC} \downarrow P^{\circ} P \gg C \downarrow \text{HbPSPsPiPs} \text{ P}^{\circ} P^{\circ} C \downarrow C, \text{PsC} \downarrow C \downarrow \text{PIP}^{\circ} \text{PSPSC} \downarrow. \text{PyP}^{\circ} P \pm P \gg \text{P}_{\mu} C, \text{PeP} \downarrow \text{PSP}_{\mu} \text{PiC} - \text{PrP} \gg C \downarrow \text{PiP}^{\circ} C \downarrow C, C \downarrow \text{HbC} \downarrow \text{PsP}^{\circ} \text{PiPsPrC} - P \gg C \downarrow.$

PyP°P±P»PμC,PePë CĤPμPePsPjPμPSPrPsPIP°PSPs PïCĤPëPNzPjP°C,Pë 1 CĤP°P· PSP° PrPsP±Cř, PICĤP°PSC†C- PïPμCĤPμPr C—PrPsCĤ.

$P''PsP \cdot Cr \text{ } \overline{CIP} \gg C - Pr \text{ } \overline{P}iC - PrP \pm P\overline{e}C\overline{H}P^{\circ}C, P\overline{e} \text{ } C - PSPrP\overline{e}PIC - PrCrP^{\circ}P \gg CH\overline{P}SPs,$
 $P \cdot P^{\circ}P \gg P_{\mu}P \overline{P}SPs \text{ } \overline{PIC} - Pr \text{ } \overline{P}iC\overline{H}PsC,, C - P \gg C\overline{H} \text{ } \overline{P}iP^{\circ}C \overline{+} C - C''PSC, P^{\circ}, \overline{P}iPsPeP^{\circ}P \cdot PSP\overline{e}PeC - PI$
 $P^{\circ}C\overline{H}C, P_{\mu}C\overline{H}C - P^{\circ}P \gg CH\overline{P}SPsPiPs \text{ } C, P\overline{e}C\overline{I}PeCr \text{ } C, P^{\circ} \text{ } \overline{PIC} - Pr\overline{P}iPsPIC - PrC - PSP^{\circ}$
 $P \gg C - PeCrPIP^{\circ}PSPSC \overline{I} (PrP\overline{e}PI. \text{ } C\overline{H}PsP \cdot PrC - P \gg B \ll PhC\overline{I}PsP \pm P \gg P\overline{e}PIPsC\overline{I}C, C -$
 $P \cdot P^{\circ}C\overline{I}C, PsC\overline{I}CrPIP^{\circ}PSPSC \overline{I}B \gg).$

$$\underline{\text{PbCH}_3\text{C}, \text{PbCH}_3\text{C}-\text{P}^\circ\text{P} \gg \text{CHBPSP}^\circ \text{PiC}-\text{PiPbCH}_3\text{C}, \text{PbPSP}^\circ\text{C}-\text{Cl}}.$$

$\text{P}\mu\text{P}\mu\text{C}\tilde{\text{H}}\text{P}\ddot{\text{e}}\text{PSP}\text{rPs}\tilde{\text{P}}\text{iC}\tilde{\text{H}}\text{P}\ddot{\text{e}}\text{P}\gg\text{Cr}\text{ C},\text{P}\mu\text{C}\tilde{\text{H}}\text{C},-\text{P}\pm\text{Cr}\text{C},\text{P}\ddot{\text{e}}\text{P}\gg\text{P}^\circ\text{PjC}-\text{PS}\text{ PjPsP}\P\text{PSP}^\circ$
 $\text{P}\tilde{\text{i}}\text{C}\tilde{\text{H}}\text{P}\ddot{\text{e}}\text{P}\cdot\text{PSP}^\circ\text{C}\ddagger\text{P}^\circ\text{C},\text{P}\ddot{\text{e}}\text{ C}\P\text{Pe}\text{ PjPsPSPsC},\text{P}\mu\text{C}\tilde{\text{H}}\text{P}^\circ\tilde{\text{P}}\text{iC}-\text{C}\tilde{\text{H}}\text{ P}^\circ\text{P}\pm\text{Ps}\text{ Cr}$
 $\text{PePsPjP}\pm\text{C}-\text{PSP}^\circ\text{C}\ddagger\text{C}-\text{C}-\text{P}\cdot\text{P}\gg\text{C}-\text{PeP}^\circ\text{C}\tilde{\text{H}}\text{C}\tilde{\text{I}}\text{C}\tilde{\text{H}}\text{PeP}\ddot{\text{e}}\text{PjP}\ddot{\text{e}}\text{ P}\cdot\text{P}^\circ\text{C}\tilde{\text{I}}\text{PsP}\pm\text{P}^\circ\text{PjP}\ddot{\text{e}}\text{ C}-\text{PSC}\epsilon\text{P}\ddot{\text{e}}\text{C}...$
 $\text{PeP}\gg\text{P}^\circ\text{C}\tilde{\text{I}}\text{C}-\text{PI}\text{ P}^\circ\text{PSC},\text{P}\ddot{\text{e}}\text{P}\text{iC}-\text{P}\text{iP}\mu\text{C}\tilde{\text{H}}\text{C},\text{P}\mu\text{PSP}\cdot\text{P}\ddot{\text{e}}\text{PIPSP}\ddot{\text{e}}\text{C}...\text{ P}\cdot\text{P}^\circ\text{C}\tilde{\text{I}}\text{PsP}\pm\text{C}-\text{PI}.$

P P_uP_eP_sP_jP_uPSP_rP_sPIP°PSP° P_iP_sC†P°C,PeP_sPIP° PrP_sP·P° C†C,P°PSP_sPIPëC,CH 4 P_jP_i 1
C†P°P· PSP° PrP_sP±C† PIC†P°PSC†C-.

$\text{P}\mu\text{P}^{\circ}\text{C}\dagger\text{C}-\text{C}''\text{PSC}, \text{P}\ddot{\text{e}} \text{ P} \cdot \text{PIP}\ddot{\text{e}}\text{C}\dot{\text{I}}\text{P}\text{sPePsC}\dot{\text{H}} \text{ P}^{\circ}\text{PeC}, \text{P}\ddot{\text{e}}\text{PIPSC}-\text{C}\dot{\text{I}}\text{C}, \text{C}\dot{\text{H}} \text{ P} \text{ P}\dot{\text{h}}\text{P}\dot{\text{h}}\text{P}\ddot{\text{Y}}$
 $(\text{PsC}\dot{\text{I}}\text{PsP}\pm\text{P}\gg\text{P}\ddot{\text{e}}\text{PIPs} \text{ P}\dot{\text{I}}\text{P}^{\circ}\text{C}\dagger\text{C}-\text{C}''\text{PSC}, \text{P}\ddot{\text{e}} \text{ P} \cdot \text{C}\dot{\text{H}}\text{P}\mu\text{PSPsPIP}^{\circ}\text{C}\dot{\text{I}}\text{PeC}\dot{\text{r}}\text{P}\gg\text{C}\dot{\text{I}}\text{C}\dot{\text{H}}\text{PSPsC}\dot{\text{H}}$
 $\text{PiC}-\text{P}\dot{\text{I}}\text{P}\mu\text{C}\dot{\text{H}}\text{C}, \text{P}\mu\text{PSP}\cdot\text{C}-\text{C}''\text{C}\dot{\text{H}}, \text{PiPsC}\dot{\text{H}}\text{C}\dot{\text{r}}\text{C}\epsilon\text{P}\mu\text{PSPSC}\dot{\text{I}}\text{Pj} \text{ PIPsPrPSPs}-$
 $\text{P}\mu\text{P}\gg\text{P}\mu\text{PeC}, \text{C}\dot{\text{H}}\text{PsP}\gg\text{C}-\text{C}, \text{PSPsPiPs} \text{ P}\pm\text{P}^{\circ}\text{P}\gg\text{P}^{\circ}\text{PSC}\dot{\text{I}}\text{C}\dot{\text{r}}, \text{C}\dot{\text{I}}\text{P}\mu\text{C}\dot{\text{H}}\text{C}\dagger\text{P}\mu\text{PIPsC}\dot{\text{H}}$
 $\text{PrP}\mu\text{PePsPjP}\dot{\text{I}}\text{P}\mu\text{PSC}\dot{\text{I}}\text{P}^{\circ}\text{C}\dagger\text{C}-\text{C}''\text{C}\dot{\text{H}} \text{ P}^{\circ}\text{P}\pm\text{Ps} \text{ C}, \text{C}\dot{\text{I}}\text{P}\P\text{PePsC}\dot{\text{H}} \text{ PiC}-\text{P}\dot{\text{I}}\text{P}\mu\text{C}\dot{\text{H}}\text{C}, \text{P}\mu\text{PSP}\cdot\text{C}-\text{C}''\text{C}\dot{\text{H}})$
 $\text{PjPsP}\P\text{C}\dot{\text{r}}\text{C}, \text{C}\dot{\text{H}} \text{ P}\cdot\text{P}^{\circ}\text{P}\cdot\text{PSP}^{\circ}\text{C}, \text{P}\ddot{\text{e}} \text{ PSP}^{\circ}\text{PrPjC}-\text{C}\dot{\text{H}}\text{PSPsPiPs} \text{ P}\cdot\text{PSP}\ddot{\text{e}}\text{P}\P\text{P}\mu\text{PSPSC}\dot{\text{I}}$
 $\text{P}^{\circ}\text{C}\dot{\text{H}}\text{C}, \text{P}\mu\text{C}\dot{\text{H}}\text{C}-\text{P}^{\circ}\text{P}\gg\text{C}\dot{\text{H}}\text{PSPsPiPs} \text{ C}, \text{P}\ddot{\text{e}}\text{C}\dot{\text{I}}\text{PeC}\dot{\text{r}} \text{ P}\ddot{\text{I}}\text{C}-\text{C}\dot{\text{I}}\text{P}\gg\text{C}\dot{\text{I}} \text{ P}\ddot{\text{I}}\text{C}\dot{\text{H}}\text{P}\ddot{\text{e}}\text{P}\text{N}\ddot{\text{e}}\text{PsPjC}\dot{\text{r}} \text{ P}\dot{\text{I}}\text{P}\mu\text{C}\dot{\text{H}}\text{C}\epsilon\text{PsC}-$
 $\text{PrPsP}\cdot\text{P}\ddot{\text{e}}. \text{P}\ddot{\text{Y}}\text{P}^{\circ}\text{PeP}\ddot{\text{e}}\text{Pj} \text{ P}\dot{\text{I}}\text{P}^{\circ}\text{C}\dagger\text{C}-\text{C}''\text{PSC}, \text{P}^{\circ}\text{Pj} \text{ C}\dot{\text{H}}\text{P}\mu\text{PePsPjP}\mu\text{PSP}\dot{\text{r}}\text{C}\dot{\text{r}}\text{C}''\text{C}, \text{C}\dot{\text{H}}\text{C}\dot{\text{I}}\text{C}\dot{\text{I}}$
 $\text{C}\dot{\text{H}}\text{PsP}\cdot\text{P}\dot{\text{I}}\text{PsC}\dagger\text{P}\ddot{\text{e}}\text{PSP}^{\circ}\text{C}, \text{P}\ddot{\text{e}} \text{ P}\gg\text{C}-\text{PeC}\dot{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\dot{\text{I}} \text{ P} \cdot \text{PrPsP}\cdot\text{P}\ddot{\text{e}} \text{ 2 PjPi} (\text{P}\cdot\text{P}^{\circ}\text{C}\dot{\text{I}}\text{C}, \text{PsC}\dot{\text{I}}\text{PsPIC}\dot{\text{r}}\text{PIP}^{\circ}\text{C}, \text{P}\ddot{\text{e}}$
 $\text{C}-\text{PSC}\epsilon\text{P}\ddot{\text{e}}\text{P}\text{N}\ddot{\text{e}} \text{ P}\gg\text{C}-\text{PeP}^{\circ}\text{C}\dot{\text{H}}\text{C}\dot{\text{I}}\text{C}\dot{\text{H}}\text{PeP}\ddot{\text{e}}\text{P}\text{N}\ddot{\text{e}} \text{ P}\cdot\text{P}^{\circ}\text{C}\dot{\text{I}}\text{C}-\text{P}\pm \text{C}\dot{\text{r}} \text{ PIC}-\text{PrP}\dot{\text{I}}\text{PsPIC}-\text{PrPSPsPjC}\dot{\text{r}}$
 $\text{PrPsP}\cdot\text{C}\dot{\text{r}}\text{PIP}^{\circ}\text{PSPSC}-) \text{ C}, \text{P}^{\circ} \text{ P}\dot{\text{I}}\text{PsC}\dagger\text{P}^{\circ}\text{C}, \text{PsPe} \text{ C}, \text{P}\mu\text{C}\dot{\text{H}}\text{P}^{\circ}\text{PiC}-\text{C}- \text{ P}\ddot{\text{I}}\text{C}\dot{\text{H}}\text{PsPIPsPrP}\ddot{\text{e}}\text{C}, \text{P}\ddot{\text{e}} \text{ P}\ddot{\text{I}}\text{C}-\text{Pr}$
 $\text{PSP}^{\circ}\text{PiP}\gg\text{C}\dot{\text{I}}\text{PrPsPj} \text{ P}\gg\text{C}-\text{PeP}^{\circ}\text{C}\dot{\text{H}}\text{C}\dot{\text{I}}.$

$$P''PsP \cdot Cr \ PjPsP \ PjPSP^\circ \ PjC-PrPIP\ddot{e}C\%_o\ddot{e}C,P\ddot{e} \ PrPs \ 8 \ PjPi \ 1 \ C\ddot{e}P^\circ P \cdot \ PSP^\circ \ PrPsP \pm Cr \\ C\ddot{e}PuC\ddot{e}PuP \cdot \ 1 \ PjC-Cr\ddot{e}C\ddot{e}C\ddot{e}CH\ddot{e} \ P\gg C-PeCrPIP^\circ PSPSC\ddot{e}.$$

$\text{P}\ddot{\text{K}}\text{P}^\circ \text{P}\ddot{\text{i}}\text{P}\text{sC}\ddot{\text{+}}\text{P}^\circ\text{C}, \text{P}\text{eC}\ddot{\text{r}} \text{P}\cdot\text{P}^\circ\text{C}\ddot{\text{f}}\text{C}, \text{P}\text{sC}\ddot{\text{f}}\text{C}\ddot{\text{r}}\text{P}\text{I}\text{P}^\circ\text{P}\text{S}\text{P}\text{S}\text{C}\ddot{\text{I}} \text{P}\ddot{\text{i}}\text{P}\mu\text{C}\ddot{\text{H}}\text{P}\ddot{\text{e}}\text{P}\text{S}\text{P}\text{r}\text{P}\text{sP}\ddot{\text{i}}\text{C}\ddot{\text{H}}\text{P}\ddot{\text{e}}\text{P}\rangle\text{C}\ddot{\text{r}}$
 $\text{C}, \text{P}\mu\text{C}\ddot{\text{H}}\text{C}, -\text{P}\pm\text{C}\ddot{\text{r}}\text{C}, \text{P}\ddot{\text{e}}\text{P}\rangle\text{P}^\circ\text{P}\ddot{\text{j}}\text{C}-\text{P}\text{S}\text{C}\ddot{\text{r}} \text{P}\ddot{\text{j}}\text{P}\text{sP}\P\text{P}\rangle\text{P}\ddot{\text{e}}\text{P}\text{I}\text{P}\mu \text{P}\text{I}\ddot{\text{P}}\text{e}\text{P}\text{S}\text{P}\ddot{\text{e}}\text{P}\text{e}\text{P}\text{S}\text{P}\mu\text{P}\text{S}\text{P}\text{S}\text{C}\ddot{\text{I}}$
 $\text{C}\ddot{\text{f}}\text{P}\ddot{\text{e}}\text{P}\ddot{\text{j}}\text{P}\ddot{\text{i}}\text{C}, \text{P}\text{sP}\ddot{\text{j}}\text{P}^\circ\text{C}, \text{P}\ddot{\text{e}}\text{C}\ddot{\text{+}}\text{P}\text{S}\text{P}\text{sC}- \text{P}^\circ\text{C}\ddot{\text{H}}\text{C}, \text{P}\mu\text{C}\ddot{\text{H}}\text{C}-\text{P}^\circ\text{P}\rangle\text{C}\ddot{\text{H}}\text{P}\text{S}\text{P}\text{sC}- \text{P}\ddot{\text{i}}\text{C}-\text{P}\ddot{\text{i}}\text{P}\text{sC}, \text{P}\mu\text{P}\text{S}\text{P}\cdot\text{C}-\text{C}-;$
 $\text{C}\ddot{\text{+}}\text{P}\mu \text{C}-\text{P}\ddot{\text{j}}\text{P}\text{sP}\text{I}\text{C}-\text{C}\ddot{\text{H}}\text{P}\text{S}\text{C}-\text{C}\P\mu \text{P}\text{rP}\rangle\text{C}\ddot{\text{I}} \text{P}\ddot{\text{i}}\text{P}^\circ\text{C}\ddot{\text{+}}\text{C}-\text{C}''\text{P}\text{S}\text{C}, \text{C}-\text{P}\text{I}, \text{C}\ddot{\text{I}}\text{P}\text{eC}-$
 $\text{P}\text{sP}\text{rP}\text{S}\text{P}\text{sC}\ddot{\text{+}}\text{P}^\circ\text{C}\ddot{\text{f}}\text{P}\text{S}\text{P}\text{s} \text{P}\ddot{\text{i}}\text{C}\ddot{\text{H}}\text{P}\ddot{\text{e}}\text{P}\text{N}\ddot{\text{e}}\text{P}\ddot{\text{j}}\text{P}^\circ\text{C}\ddot{\text{H}}\text{C}, \text{C}\ddot{\text{H}} \text{P}\text{rC}-\text{C}\ddot{\text{r}}\text{C}\ddot{\text{H}}\text{P}\mu\text{C}, \text{P}\ddot{\text{e}}\text{P}\text{e}\text{P}\ddot{\text{e}}. \text{P}\ddot{\text{y}}\text{P}^\circ\text{P}\text{e}\text{P}\ddot{\text{e}}\text{P}\ddot{\text{j}}$
 $\text{P}\ddot{\text{i}}\text{P}^\circ\text{C}\ddot{\text{+}}\text{C}-\text{C}''\text{P}\text{S}\text{C}, \text{P}^\circ\text{P}\ddot{\text{j}} \text{C}\ddot{\text{H}}\text{P}\text{sP}\cdot\text{P}\ddot{\text{i}}\text{P}\text{sC}\ddot{\text{+}}\text{P}\ddot{\text{e}}\text{P}\text{S}\text{P}^\circ\text{C}, \text{P}\ddot{\text{e}} \text{P}\rangle\text{C}-\text{P}\text{eC}\ddot{\text{r}}\text{P}\text{I}\text{P}^\circ\text{P}\text{S}\text{P}\text{S}\text{C}\ddot{\text{I}}$
 $\text{P}\ddot{\text{i}}\text{P}\mu\text{C}\ddot{\text{H}}\text{P}\ddot{\text{e}}\text{P}\text{S}\text{P}\text{r}\text{P}\text{sP}\ddot{\text{i}}\text{C}\ddot{\text{H}}\text{P}\ddot{\text{e}}\text{P}\rangle\text{P}\text{sP}\ddot{\text{j}} \text{C}\ddot{\text{f}}\text{P}\rangle\text{C}-\text{P}\text{r} \text{P}\cdot \text{P}\text{sP}\pm\text{P}\mu\text{C}\ddot{\text{H}}\text{P}\mu\text{P}\P\text{P}\text{S}\text{C}-\text{C}\ddot{\text{f}}\text{C}, \text{C}\ddot{\text{H}},$

PsCfPeC-P»CHbPePë Cr PSPëC... PjPsP¶Pµ P±CfC,Pë PrPµC,,C-C†PëC, PIPsPrPë
C,P°/P°P±Ps CfPsP»C-.

PfPeC%Ps C†Pµ PjPsP¶P»PëPIPs, CfP»C-Pr PïChPëPïPëPSPëC,Pë PïChPëPNëPsPj
PrC-CfC¶PµC,PëPeP° P·P° 2B¶“3 PrPSC- PrPs PïPsC†P°C,PeCf C,PµChP°PïC-C—
PïPµChPëPSPPrPsPïChPëP»Cf C,PµChC,-P±CfC,PëP»P°PjC-PSPsPj (PrPëPI. ChPsP·PrC-P»
B«PhCfPsP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSC¶B»).

PµP°C†C-C”PSC,P°Pj P· P°ChC,PµChC-P°P»CHbPSPsCh PiC-PïPµChC,PµPSP·C-C”Ch,
C¶PePëPj PSPµ PjPsP¶PSP° PïChPëPïPëPSPëC,Pë P·P°CfC,PsCfCfPIP°PSPSC¶
PrC-CfC¶PµC,PëPeC-PI, P»C-PeCfPIP°PSPSC¶ CfP»C-Pr ChPsP·PïPsC†PëPSP°C,Pë P·
PrPsP·Pë 2 PjPi (P·P°CfC,PsCfPsPICfPIP°C,Pë C-PSCëPëPNë P»C-PeP°ChCfCHbPePëPNë
P·P°CfC-P± Cf PIC-PrPïPsPIC-PrPSPsPjCf PrPsP·CfPIP°PSPSC-). Pj C,P°PePëC...
PïP°C†C-C”PSC,C-PI CfP»C-Pr PePsPSC,ChPsP»ChPIP°C,Pë C,,CfPSPeC†C-Ch
PSPëChPsPe C,P° ChC-PIPµPSCb PeP°P»C-Ch Cf CfPëChPsPIP°C,C†C- PeChPsPIC-.
PµPsPrP°P»CHbCëPµ PiC-PrPIPëC%PµPSPSC¶ PrPsP·Pë PïPµChPëPSPPrPsPïChPëP»Cf
C,PµChC,-P±CfC,PëP»P°PjC-PSCf CfP»C-Pr P·PrC-PNëCfPSCbPIP°C,Pë P·P°P»PµP¶PSPs
PIC-Pr PïPsPeP°P·PSPëPeC-PI P°ChC,PµChC-P°P»CHbPSPsPiPs C,PëCfPeCf. Pj ChP°P·C-
PSPµPsP±C...C-PrPSPsCfC,C- C,PµChP°PïC-Ch PrC-CfC¶PµC,PëPePsPj PjPsP¶PSP°
PIC-PrPSPsPIPëC,Pë.

PµP°C†C-C”PSC,P°Pj P»C-C,PSCHbPsPiPs PIC-PeCf P»C-PeCfPIP°PSPSC¶ CfP»C-Pr
ChPsP·PïPsC†PëPSP°C,Pë P· PrPsP·Pë 2 PjPi (P·P°CfC,PsCfPsPICfPIP°C,Pë C-PSCëPëPNë
P»C-PeP°ChCfCHbPePëPNë P·P°CfC-P± Cf PIC-PrPïPsPIC-PrPSPsPjCf PrPsP·CfPIP°PSPSC-),
C¶PeCf PjPsP¶PSP° PïC-PrPIPëC%PëC,Pë PrPs 4 PjPi C†PµChPµP· 1 PjC-CfC¶C†Ch
P»C-PeCfPIP°PSPSC¶, P° PïPsC,C-Pj, Cf ChP°P·C- PSPµPsP±C...C-PrPSPsCfC,C-, PrPs 8 PjPi P·
CfChP°C...CfPIP°PSPSC¶Pj C,,CfPSPeC†C-C— PSPëChPsPe (PrPëPI. C,P°P±P»PëC†Ch, C%Ps
PSP°PrP°C”C,CHCfC¶ PSPëP¶C†Pµ).

PŸPëPjPiC,PsPjP°C,PëC†PSP° CfPµChC†PµPIP° PSPµPrPsCfC,P°C,PSC-CfC,Ch.

PµP°C†C-C”PSC,P°Pj C-P· CfPµChC†PµPIPsCh PSPµPrPsCfC,P°C,PSC-CfC,Ch, C¶PePëPj
PïPµChPëPSPPrPsPïChPëP»Cf C,PµChC,-P±CfC,PëP»P°PjC-PS P·P°P·PIPëC†P°PNë
CfP»C-Pr PïChPëP·PSP°C†P°ChC,Ch PsPrPSPsC†P°CfPSPs P· PrC-CfC¶PµC,PëPePsPj,
C%Ps PIPëPIPsPrPëC,Ch PeP°P»C-PNë, C,P°/P°P±Ps P· PrPëPiPsPeCfPëPSPsPj,
C,P°/P°P±PsB B B B B B B B B B B B B B B B P· β-P±P»PsPeP°C,PsChPsPj,
P»C-PeCfPIP°PSPSC¶ ChPµPePsPjPµPSPPrPsPIP°PSPs ChPsP·PïPsC†PëPSP°C,Pë PiC-Pr
ChPµC,PµP»CHbPSPëPj PjPµPrPëC†PSPëPj PSP°PiP»C¶PrPsPj C,P° P·
PïPsC†P°C,PePsPIPsC— PrPsP·Pë 2 PjPi (P·P°CfC,PsCfPsPICfPIP°C,Pë C-PSCëPëPNë
P»C-PeP°ChCfCHbPePëPNë P·P°CfC-P± Cf PIC-PrPïPsPIC-PrPSPsPjCf
PrPsP·CfPIP°PSPSC-), C¶PeCf CfP»C-Pr PïChPëPNëPjP°C,Pë PICChP°PSC†C-. P§PµChPµP·
2 C,PëP¶PSC- P·P° CfPjPsPIPë PrPsP±ChPsC— PïPµChPµPSPsCfPëPjPsCfC,C- PrPsP·Cf
PiC-PrPIPëC%CfPIP°C,Pë PrPs 4 PjPi 1 ChP°P· PSP° PrPsP±Cf. PkP°PrP°P»C- PrPsP·Cf
CfP»C-Pr PiC-PrP±PëChP°C,Pë C-PSPPrPëPIC-PrCfP°P»CHbPSPs, P·P°P»PµP¶PSPs PIC-Pr
PeP»C-PSC-C†PSPsC— PIC-PrPïPsPIC-PrC- PïP°C†C-C”PSC,P° PSP°
P»C-PeCfPIP°PSPSC¶.

PµP°C†C-C”PSC,P°Pj C-P· C,C¶P¶PePsCh CfPµChC†PµPIPsCh
PSPµPrPsCfC,P°C,PSC-CfC,Ch C,P° C-PSCëPëPj PïP°C†C-C”PSC,P°Pj C-P· PïChCfPïPë

PIPëCÍPsPePsPiPs CĤPëP·PëPeCÍ (PİP°C†C-C" PSC,Pë P· PİPsCĤCÍC€PµPSPSCĬPjPë C,,CÍPSPeC†C-C— PSPëCĤPsPe C,P° C,PµPSPrPµPSC†C-C" CĤ PrPs PİPsCĤCÍC€PµPSCĤ CĤC-PIPSCĬ PµP»PµPeC,CĤPsP»C-C,C-PI, PİP°C†C-C" PSC,Pë, CĬPeC- PsC,CĤPëPjCÍCĤC,CĤ PsPrPSPsC†P°CÍPSCÍ C,PµCĤP°PİC-CĤ PrC-CÍCĤPµC,PëPeP°PjPë C,P°/P°P±Ps PIP°P·PsPrPëP»P°C,P°C,PsCĤP°PjPë) P»C-PeCÍPIP°PSPSCĬ CÍP»C-Pr CĤPsP·PİPsC†PëPSP°C,Pë PİC-Pr CĤPµC,PµP»CĤPSPëPj PjPµPrPëC†PSPëPj PSP°PİP»CĬPrPsPj (PrPëPI. CĤPsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCÍPIP°PSPSCĬB»).

Pj PİP°C†C-C" PSC,C-PI P· PIPëCÍPsPePëPj CĤPëP·PëPePsPj PIPëPSPëPePSPµPSPSCĬ CÍPëPjPİC,PsPjP°C,PëC†PSPsC— P°CĤC,PµCĤC-P°P»CĤPSPsC— PİC-PİPsC,PµPSP·C-C— (PİP°C†C-C" PSC,Pë P· PrPµC,,C-C†PëC,PsPj PµP»PµPeC,CĤPsP»C-C,C-PI P· PİC-PİPsPSP°C,CĤC-C" PjC-C" CĤ P°P±Ps P±PµP· PSPµC—, PİP°C†C-C" PSC,Pë P· PİC-PİPsPIPSP»PµPjC-C" CĤ P°P±Ps C,C-, C...C,Ps PsC,CĤPëPjCÍPIP°PI C-PSC,PµPSCÍPëPIPsCÍ C,PµCĤP°PİC-CĤ PrC-CÍCĤPµC,PëPeP°PjPë) CÍP»C-Pr PİCĤPsPIPµCÍC,Pë PePsCĤPµPeC†C-CĤ PIPëC%PµP·P°P·PSP°C†PµPSPëC... CÍC,P°PSC-PI, CĬPeC%Ps PjPsP¶P»PëPIPs, PrPs PİCĤPëP·PSP°C†PµPSPSCĬ P»C-PeP°CĤCÍCĤPePsPiPs P·P°CÍPsP±CÍ. PhCĤC,PµCĤC-P°P»CĤPSPëPN C,PëCÍPe, C,,CÍPSPeC†C-CĤ PSPëCĤPsPe C,P° CĤC-PIPµPSCĤ PeP°P»C-CĤ CÍ CÍPëCĤPsPIP°C,C†C- PeCĤPsPIC- PİPsC,CĤC-P±PSPs CĤPµC,PµP»CĤPSPs PePsPSC,CĤPsP»CĤPIP°C,Pë CĬPe PrPs, C,P°Pe C- PİC-Pr C†P°CÍ P»C-PeCÍPIP°PSPSCĬ (PrPëPI. CĤPsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCÍPIP°PSPSCĬB»).

P—P°PİPsP±C-PİP°PSPSCĬ PIPëPSPëPePSPµPSPSCĤ PİPsPIC,PsCĤPSPsPiPs C-PSCÍCÍP»CĤC,CÍ CÍ PİP°C†C-C" PSC,C-PI P· C†PµCĤPµP±CĤPsPIP°CÍPeCÍP»CĬCĤPSPëPjPë P·P°C...PIPsCĤCĤPIP°PSPSCĬPjPë.

P PµPePsPjPµPSPrPsPIP°PSP° PİPsC†P°C,PePsPIP° PrPsP·P° CÍC,P°PSPsPIPëC,CĤ 2 PjPi (P·P°CÍC,PsCÍPsPICÍPIP°C,Pë C-PSC€PëPN P»C-PeP°CĤCÍCĤPePëPN P·P°CÍC-P± CÍ PIC-PrPİPsPIC-PrPSPsPjCÍ PrPsP·CÍPIP°PSPSC-) 1 CĤP°P· PSP° PrPsP±CÍ PICĤP°PSC†C-. PµC-CÍP»CĬ 2 C,PëP¶PSC-PI P»C-PeCÍPIP°PSPSCĬ PrPsP·CÍ P·P±C-P»CĤC€CÍPIP°C,Pë PrPs 4 PjPi 1 CĤP°P· PSP° PrPsP±CÍ PICĤP°PSC†C-.

PİPeC%Ps PİC-CÍP»CĬ 2 C,PëP¶PSC-PI P·P°CÍC,PsCÍCÍPIP°PSPSCĬ P»C-PeP°CĤCÍCĤPePsPiPs P·P°CÍPsP±CÍ PhP>P†PÿP·P PİP°C†C-C" PSC, PİPsC,CĤPµP±CÍ" PrPsPrP°C,PePsPIPSPiPs PePsPSC,CĤPsP»CĤ P°CĤC,PµCĤC-P°P»CĤPSPsPiPs C,PëCÍPeCÍ, PjPsP¶PSP° PİCĤPëP·PSP°C†PëC,Pë C-PSPrP°PİP°PjC-Pr CÍ PrPsP·C- 1 C,P°P±P»PµC,PeP° PSP° PrPsP±CÍ. P>C-PeCÍPIP°PSPSCĬ PjPsP¶PSP° CĤPsP·PİPsC†PëPSP°C,Pë P±CÍPrCĤ-PePsP»Pë CÍ C,PµCĤPjC-PS PIC-Pr 2 C,PëP¶PSC-PI PrPs PeC-P»CĤPePsC... CĤPsPeC-PI PİC-CÍP»CĬ PİPµCĤPIPëPSPSPsPiPs C-PSCÍCÍP»CĤC,CÍ.

P—P°PİPsP±C-PİP°PSPSCĬ CÍPµCĤC†PµPIPs-CÍCÍPrPëPSPSPëPj CÍCÍPeP»P°PrPSPµPSPSCĬPj CÍ PİP°C†C-C" PSC,C-PI P· PrPsPeCÍPjPµPSC,P°P»CĤPSPsCĤ CÍC,P°P±C-P»CĤPSPsCĤ C-C€PµPjC-C†PSPsCĤ C...PIPsCĤPsP±PsCĤ CÍPµCĤC†CĬ.

P"PsPIPiPsC,CĤPëPIP°P»Pµ P»C-PeCÍPIP°PSPSCĬ PİPµCĤPëPSPrPsPİCĤPëP»PsPj, C,P°P±P»PµC,PePë PİPs 8 PjPi (1 C,P°P±P»PµC,PeP° PSP° PrPsP±CÍ) P·PSPëP¶CÍ" CĤPëP·PëPe C-PSC,,P°CĤPeC,CÍ PjC-PsPeP°CĤPrP° C,P° CÍPµCĤC†PµPIPsC— PSPµPrPsCÍC,P°C,PSPsCÍC,C-

(P·P° CḡPμP·CfP»CHC,P°C,P°PjPë 4-CḡC-C†PSPsPiPs PrPsCfP»C-PrP¶PμPSPSCḡ EUROPA).

P»C-PeCfPIP°PSPSCḡ CḡP»C-Pr CḡPsP·PīPsC†PëPSP°C,Pë P· 4 PjPi (1 C,P°P±P»PμC,PeP° PSP° PrPsP±Cf PICḡP°PSC†C-). P§PμCḡPμP· 2 C,PëP¶PSC-, P·P° CfPjPsPIPë PrPsP±CḡPsC— PīPμCḡPμPSPsCḡPëPjPsCḡC,C-, PrPsP·Cf PīC-PrPIPëC‰PëC,Pë PrPs 8 PjPi PrP»Cḡ PrPsPIPiPsC,CḡPëPIP°P»PsPiPs PīCḡPëPNḡPsPjCf P»C-PeP°CḡCḡCHPePsPiPs P·P°CḡPsP±Cf PḡP»P†PḡP·P , C,P°P±P»PμC,PePë PīPs 8 PjPi (1 C,P°P±P»PμC,PeP° PSP° PrPsP±Cf PICḡP°PSC†C-).

PμP°C†C-C”PSC,P°Pj P»C-C,PSCHPsPiPs PIC-PeCf, Cf CḡPePëC...
PrPsPeCfPjPμPSC,P°P»CHPSPs PīC-PrC,PIPμCḡPrP¶PμPSP° P†PḡPḡ,
P»C-PeCfPIP°PSPSCḡ CḡP»C-Pr CḡPsP·PīPsC†PëPSP°C,Pë P· PrPsP·Pë 2 PjPi
(P·P°CḡC,PsCḡPsPICfPIP°C,Pë C-PSC€PëPNḡ P»C-PeP°CḡCḡCHPePëPNḡ P·P°CḡC-P± Cf PIC-PrPīPsPIC-PrPSPsPjCf PrPsP·CfPIP°PSPSC-) 1 CḡP°P· PSP° PrPsP±Cf PICḡP°PSC†C-; C†PμCḡPμP· C,PëP¶PrPμPSCḡ PrPsP·Cf PīC-PrPIPëC‰CfPIP°C,Pë PrPs 4 PjPi; C†PμCḡPμP· 2 C,PëP¶PSC-, P·P° CfPjPsPIPë PrPsP±CḡPsC— PīPμCḡPμPSPsCḡPëPjPsCḡC,C- C,P° P·P°P»PμP¶PSPs PIC-Pr C,,CfPSPeC†C-C— PSPëCḡPsPe, PrPsP·Cf PīC-PrPIPëC‰CfPIP°C,Pë PrPs 8 PjPi (1 C,P°P±P»PμC,PeP° PSP° PrPsP±Cf) C,P° CḡPsP·PīPsC†PëPSP°C,Pë PrPsPIPiPsC,CḡPëPIP°P»Pμ P»C-PeCfPIP°PSPSCḡ.

PμC-PrP±C-Cḡ PrPsP· PīCḡPë PSPëCḡPePsPIC-PNḡ PSPμPrPsCḡC,P°C,PSPsCḡC,C-.

P”PsP·CfPIP°PSPSCḡ PrP»Cḡ PīP°C†C-C”PSC,C-PI P· PSPëCḡPePsPIPsCḡ PSPμPrPsCḡC,P°C,PSC-CḡC,Cḡ PjP°C” P±P°P·CfPIP°C,PëCḡCḡ PSP° PeP»C-CḡPμPSCḡC- PeCḡPμP°C,PëPSC-PSCf, CḡPe P·P°P·PSP°C†PμPSPs Cf C,P°P±P»PëC†C- PSPëP¶C†Pμ:

PḡP°P±P»PëC†Cḡ Bḡ” PμC-PrP±C-Cḡ PrPsP· PīCḡPë PSPëCḡPePsPIC-PNḡ PSPμPrPsCḡC,P°C,PSPsCḡC,C-

PḡP»C-CḡPμPSCḡ PeCḡPμP°C,PëPSC-PSCf (PjP»/C...PI)	P PμPePsPjPμPSPrPsPIP°PSPμ PrPsP·CfPIP°PSPSCḡ
$Cl_{CR} \geq 60$	4 PjPi PSP° PrPsP±Cf
$30 < Cl_{CR} < 60$	2 PjPi (P·P°CḡC,PsCḡPsPICfPIP°C,Pë C-PSC€PëPNḡ P»C-PeP°CḡCḡCHPePëPNḡ P·P°CḡC-P± Cf PIC-PrPīPsPIC-PrPSPsPjCf PrPsP·CfPIP°PSPSC-) PSP° PrPsP±Cf
$15 < Cl_{CR} < 30$	2 PjPi (P·P°CḡC,PsCḡPsPICfPIP°C,Pë C-PSC€PëPNḡ P»C-PeP°CḡCḡCHPePëPNḡ P·P°CḡC-P± Cf PIC-PrPīPsPIC-PrPSPsPjCf PrPsP·CfPIP°PSPSC-) C†PμCḡPμP· PrPsP±Cf
PμP°C†C-C”PSC,Pë, CḡPeC- PīPμCḡPμP±CfPIP°CḡC,CH PSP° PīPμPjPsPrC-P°P»C-P·C-	
$Cl_{CR} < 15$	2 PjPi (P·P°CḡC,PsCḡPsPICfPIP°C,Pë C-PSC€PëPNḡ P»C-PeP°CḡCḡCHPePëPNḡ P·P°CḡC-P± Cf PIC-PrPīPsPIC-PrPSPsPjCf PrPsP·CfPIP°PSPSC-) PSP° PrPsP±Cf PīCḡPsPIPμPrPμPSPSCḡ PrC-P°P»C-P·Cf

□P”C-P°P»C-P·PSPëPNḡ PeP»C-CḡPμPSCḡ PīPμCḡPëPSPrPsPīCḡPëP»P°C,Cf 70 PjP»/C...PI.

PμP°C†C-C”PSC,P°Pj, CḡPeC- PīPμCḡPμP±CfPIP°CḡC,CH PSP° PīPμPjPsPrC-P°P»C-P·C-,

PrPsP·Cf CÍP»C-Pr PiCtjPëPNëPjP°C,Pë PiC-CÍP»CÍ PiCtjPsPIPµPrPµPSPSCÍ
PiPµPjPsPrC-P°P»C-P·Cf.

PµC-PrP±C-Ctj PrPsP· PiCtjPë PiPµC±C-PSPePsPIC-PNë PSPµPrPsCÍC,P°C,PSPsCÍC,C-.

PµP°C†C-C"PSC,Pë P· PiPµC±C-PSPePsPIPsCtj PSPµPrPsCÍC,P°C,PSC-CÍC,Ctj PSPµ
PiPsC,CtjPµP±CfCtjC,Ctj PiC-PrP±PsCtjCf PrPsP·Pë P»C-PeP°CtjCÍCHPePsPiPs P·P°CÍPsP±Cf
(PrPëPI. CtjPsP·PrC-P»Pë B«PαP°CtjPjP°PePsPeC-PSPµC,PëPeP°B» C,P°
B«PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCfPIP°PSPSCÍB»).

P"C-C,Pë.

P·C,,PµPeC,PëPIPSC-CÍC,Ctj C,P° P±PµP·PiPµPeP° P·P°CÍC,PsCÍCfPIP°PSPSCÍ
P»C-PeP°CtjCÍCHPePsPiPs P·P°CÍPsP±Cf PrC-C,CÍPj PIC-PePsPj PrPs 18 CtjPsPeC-PI
PSPµ PICÍC,P°PSPsPIP»PµPSP°. PkP°CÍPIPSP° C-PSC,,PsCtjPjP°C†C-CÍ
P·P°P·PSP°C±PµPSP° Cf CtjPsP·PrC-P»C- B«PαP°CtjPjP°PePsPrPëPSP°PjC-PeP°B», P°P»Pµ
PSP°PrP°C,Pë CtjPµPePsPjPµPSPPrP°C†C-C— C°PsPrPs PrPsP·CfPIP°PSPSCÍ
PSPµPjPsP¶P»PëPIPs. PÿPsPjCf PiPµCtjPëPSPPrPsPiCtjPëP»Cf C,PµCtjC,-
P±CfC,PëP»P°PjC-PS PSPµ CtjPµPePsPjPµPSPPrCfC"C,CtjCÍCÍ PiCtjPëP·PSP°C±P°C,Pë
PrC-C,CÍPj.

PµPµCtjPµPrPsP·CzPIP°PSPSCÍ.

P†PSC,,PsCtjPjP°C†C-C— PiCtjPs PiPµCtjPµPrPsP·CfPIP°PSPSCÍ PiPµCtjPëPSPPrPsPiCtjPëP»PsPj
PSPµPrPsCÍC,P°C,PSCtjPs. PÿPëPjPiC,PsPjPë, PiPsPiBtj™ CÍP·P°PSC- P·
PiPµCtjPµPrPsP·CfPIP°PSPSCÍPj C-PSPiC-P±C-C,PsCtjP°PjPë PhPµPα, PjPsP¶CfC,Ctj P±CfC,Pë
C,P°PePëPjPë: P°CtjC,PµCtjC-P°P»CHPSP° PiC-PiPsC,PµPSP·C-CÍ,
C†PëCtjPeCfP»CÍC,PsCtjPSPëPNë CëPsPe, PiPsCtjCfCëPµPSPSCÍ
PµP»PµPeC,CtjPsP»C-C,PSPsPiPs P±P°P»P°PSCÍCf, PSPëCtjPePsPIP°
PSPµPrPsCÍC,P°C,PSC-CÍC,Ctj, PiC-PiPµCtjPIPµPSC,PëP»CÍC†C-CÍ, C,P°C...C-PeP°CtjPrC-CÍ,
PiCtjPëCÍPePsCtjPµPSPµ CÍPµCtjC†PµP±PëC,C,CÍ, P±CtjP°PrPëPeP°CtjPrC-CÍ,
P·P°PiP°PjPsCtjPsC±PµPSPSCÍ, C,CtjPëPIPsPiP°, PeP°CëPµP»CH C,PsC°Ps.

PµCtjPë PiPµCtjPµPrPsP·CfPIP°PSPSC- CtjPµPePsPjPµPSPPrCfC"C,CtjCÍCÍ
PIPSCfC,CtjC-CëPSCtjPsPIPµPSPSPµ PIPIPµPrPµPSPSCÍ CtjPsP·C±PëPSCf PSP°C,CtjC-Ctj
C...P»PsCtjPëPrCf 0,9 % (9 PjPi/PjP»). PJ PIPëPiP°PrPeCf PIPëPSPëPePSPµPSPSCÍ
P°CtjC,PµCtjC-P°P»CHPSPsC— PiC-PiPsC,PµPSP·C-C— PiP°C†C-C"PSC,Cf
PSPµPsP±C...C-PrPSPs PSP°PrP°C,Pë PiPsCtjPëP·PsPSC,P°P»CHPSPµ PiPsP»PsP¶PµPSPSCÍ P·
PSPëP·CHPePëPj CfP·PiPsP»C-PIBtj™ CÍPj. PJ CtjP°P·C- PjPsP¶P»PëPIPsCÍC,C- CÍP»C-Pr
P·P°P±PµP·PiPµC±PëC,Pë PiP°C†C-C"PSC,Cf C-PSC,,CfP·C-C— P°PSPiC-PsC,PµPSP·PëPSCf P†P†
C,P°/P°P±Ps PIPSCfC,CtjC-CëPSCtjPsPIPµPSPSPµ PIPIPµPrPµPSPSCÍ
PeP°C,PµC...PsP»P°PjC-PSC-PI. PµPµCtjPëPSPPrPsPiCtjPëP» PjPsP¶PSP° PIPëPrP°P»PëC,Pë C-P·
CÍPëCÍC,PµPjPSPsPiPs PeCtjPsPIPsPsP±C-PiCf P·P° PrPsPiPsPjPsPiPsCtj
PiPµPjPsPrC-P°P»C-P·Cf (PrPëPI. CtjPsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C-
P·P°CÍC,PsCÍCfPIP°PSPSCÍB»). PJ CtjP°P·C- PIPëPSPëPePSPµPSPSCÍ
CtjPµP·PëCÍC,PµPSC,PSPsC— PrPs P»C-PeCfPIP°PSPSCÍ P±CtjP°PrPëPeP°CtjPrC-C—
PiPsPeP°P·P°PSPµ P·P°CÍC,PsCÍCfPIP°PSPSCÍ CëC,CfC±PSPsPiPs PIPsPrC-CÍ CtjPëC,PjCf.
PkPµPsP±C...C-PrPSPs PICÍC,P°PSPsPIPëC,Pë PiPsCÍC,C-PNëPSPëPNë PjPsPSC-C,PsCtjPëPSPi P·P°
PsCÍPSPsPIPSPëPjPë PiPsPeP°P·PSPëPeP°PjPë P¶PëC,C,C"PrC-CÍP»CHPSPsCÍC,C-,

PePsPSC†PμPSC, CḡP°C†C-C" Cḡ PμP»PμPeC, CḡPsP»C-C, C-PI C, P° PeCḡPμP°C, PēPSC-PSC† C† C†PēCḡPsPIP°C, C†C-B PeCḡPsPIC-.

PμPsP±C-C†PSC- CḡPμP°PeC†C-C—.

PμCḡPsC,, C-P»CH P±PμP·PīPμPePē PīPμCḡPēPSP†PsPīCḡPēP»C† PIC-PrPīPsPIC-PrP°C" PīCḡPsC,, C-P»Cḡ P±PμP·PīPμPePē C-PSPiC-P±C-C, PsCḡC-PI PḡPμPα.
PḡP°PNḡC†P°C†C, C-CēPēPjPē PīPsP±C-C†PSPēPjPē CḡPμP°PeC†C-C†PjPē, PīCḡPs C†PeC- PīPsPIC-PrPsPjP»C†P»PsC†C† PīC-Pr C†P°C† PeP»C-PSC-C†PSPēC... PrPsC†P»C-PrP¶PμPSCḡ PīPμCḡPēPSP†PsPīCḡPēP»C†, C": P·P°PīP°PjPsCḡPsC†PμPSPSC†, PīPsP»PsPIPSPēPNḡ P±C-P»CH, PīP°CḡPμC†C, PμP·C-C—, PIPμCḡC, PēPīPs, PīPsCḡC†CēPμPSPSC† P·PsCḡC†, PrP·PIC-PS C† PIC†C...P°C..., P°CḡC, PμCḡC-P°P»CHPSP° PīC-PīPsC, PμPSP·C-C†, PeP°CēPμP»CH, P·P°PrPēCēPeP°, P±C-P»CH C† P¶PēPIPSC, C-, P·P°PīPsCḡ, PrC-P°CḡPμC†, C†PīPsC, PIPSCḡPμPSPSC† PIC-PrC†C†C, C, C† C†PjP°PeC† (PrPēC†PīPμPIP·C-C†), PrPēC†PīPμPīC†C-C†, PSC†PrPsC, P°, P±P»CḡPIP°PSPSC†, C†PIPμCḡP±C-P¶, PIPēC†PēPīP°PSPSC†, PjP°PeC†P»PsPīP°PīC†P»CHPsP·PSC- PIPēC†PēPīP°PSPSC†, C†C†PrPsPjPē Pjḡḡ™ C†P·C-PI C, P° P°C†C, PμPSC-C†.

PμC-Pr C†P°C† PeP»C-PSC-C†PSPēC... PrPsC†P»C-PrP¶PμPSCḡ C, P° PīC-C†P»C†CḡPμC" C†C, CḡP°C†C-PNḡPSPSPiPs P·P°C†C, PsC†C†PIP°PSPSC† PīPμCḡPēPSP†PsPīCḡPēP»C† C†PīPsC†C, PμCḡC-PiP°P»PēC†C† PSPēP¶C†PμP·P°P·PSP°C†PμPSC- PīPsP±C-C†PSC- CḡPμP°PeC†C-C— P· C, P°PePsCḡ C†P°C†C, PsC, PsCḡ PIPēPSPēPePSPμPSPSC†: PrC†P¶Pμ C†P°C†C, Ps (≥ 1/10); C†P°C†C, Ps (≥ 1/100, < 1/10); PSPμC†P°C†C, Ps (≥ 1/1000, < 1/100); CḡC-PrPePs (≥ 1/10000, < 1/1000); PrC†P¶Pμ CḡC-PrPePs (< 1/10000); C†P°C†C, PsC, P° PSPμPIC-PrPsPjP° (PSPμ PjPsP¶Pμ P±C†C, Pē PIPēP·PSP°C†PμPSP° P·PīC-PrPSPs P·PSP°C†PIPSPsCḡ C-PSC,, PsCḡPjP°C†C-C" Cḡ).

P— P±PsPeC† C†PēC†C, PμPjPē PeCḡPsPIC- C, P° P»C-PjC,, P°C, PēC†PSPsC— C†PēC†C, PμPjPē:
PμPsP·PēPSPsC,, C-P»C-C† Bḡ" PSPμC†P°C†C, Ps*; P°PīCḡP°PSC†P»PsC†PēC, PsP· P°P±Ps PīP°PSC†PēC, PsPīPμPSC-C† Bḡ" PrC†P¶Pμ CḡC-PrPePs; P·PSPēP¶PμPSPSC† CḡC-PIPSC† PīPμPjPsPīP»PsP±C-PSC† C, P° PīPμPjP°C, PsPeCḡPēC, C† Bḡ" PrC†P¶Pμ CḡC-PrPePs; P»PμPNḡPePsPīPμPSC-C†/PSPμPNḡC, CḡPsPīPμPSC-C† Bḡ" PrC†P¶Pμ CḡC-PrPePs; PīPμPjPsP»C-C, PēC†PSP° P°PSPμPjC-C† C† PīP°C†C-C" PSC, C-PI P· C†CḡPsPrP¶PμPSPsCḡ PSPμPrPsC†C, P°C, PSC-C†C, Cḡ PīP»CḡPePsP·Ps-6-C,, PsC†C,, P°C, PrPμPīC-PrCḡPsPīPμPSP°P·Pē Bḡ" PrC†P¶Pμ CḡC-PrPePs; C, CḡPsPjP±PsC†PēC, PsPīPμPSC-C† Bḡ" PrC†P¶Pμ CḡC-PrPePs.

P— P±PsPeC† PμPSP†PsPeCḡPēPSPSPsC— C†PēC†C, PμPjPē: C†PēPSP†CḡPsPj PSPμP°PrPμPePIP°C, PSPsC— C†PμPeCḡPμC†C-C— P°PSC, PēPrC-C†CḡPμC, PēC†PSPsPīPs PīPsCḡPjPsPSC† (PŸPḡPŸPḡP" P") Bḡ" CḡC-PrPePs.

P— P±PsPeC† PjPμC, P°P±PsP»C-P·PjC† C, P° PsP±PjC-PSC† CḡPμC†PsPIPēPS:
PīC-PīPsPīP»C-PePμPjC-C† Bḡ" PSPμC†P°C†C, Ps*; PīC-PīPμCḡPeP°P»C-C" PjC-C†, C†PeP° C" PsP±PsCḡPsC, PSPsCḡ PīC-C†P»C† PIC-PrPjC-PSPē P»C-PeP°CḡC†CHPePsPīPs P·P°C†PsP±C† Bḡ" PSPμC†P°C†C, Ps*; PīC-PīPsPSP°C, CḡC-C" PjC-C†B B B Bḡ" PSPμC†P°C†C, Ps*.

P— P±PsPeC† PīC†PēC...C-PePē: PrPμPīCḡPμC†C-C† Bḡ" PSPμC†P°C†C, Ps*; PīPsCḡC†CēPμPSPSC† PSP°C†C, CḡPsCḡ Bḡ" PSPμC†P°C†C, Ps; PīPsCḡC†CēPμPSPSC† C†PSC† Bḡ" PSPμC†P°C†C, Ps.

P— P±PsPeC† PSPμCḡPIPSPiPsC— C†PēC†C, PμPjPē: P·P°PīP°PjPsCḡPsC†PμPSPSC† Bḡ"

C†P°C†C,Ps; PiPsP»PsPIPSpëPNë P±C-P»CH бґ“ C†P°C†C,Ps; PiP°CґPµC†C,PµP·C-C† бґ“
C†P°C†C,Ps; PIPµCґC,PëPiPs бґ“ C†P°C†C,Ps; C†PsPSP»PëPIC-C†C,CH бґ“ PSPµC†P°C†C,Ps*;
PSPµPiCґPëC,PsPjPSC-C†C,CH бґ“ PSPµC†P°C†C,Ps*; C†PiP»C†C,P°PSC-C†C,CH
C†PIC-PrPsPjPsC†C,C- бґ“ PrC†P¶Pµ CґC-PrPePs.

P— P±PsPeC† PsCґPiP°PSC-PI P·PsCґC†: PiPsCґC†C€PµPSPSC† P·PsCґC† бґ“ C†P°C†C,Ps.

P— P±PsPeC† PsCґPiP°PSC-PI C†P»C†C...C† C,P° P»P°P±C-CґPëPSC,C†: PrP·PIC-PS C†
PIC†C...P°C... бґ“ C†P°C†C,Ps.

P— P±PsPeC† C†PµCґC†C†: PiP°P»CHPiC-C,P°C†C-C† - PSPµC†P°C†C,Ps*;
C,P°C...C-PeP°CґPrC-C† - PSPµC†P°C†C,Ps*; C†C,PµPSPsPeP°CґPrC-C† бґ“ PrC†P¶Pµ
CґC-PrPePs; P°CґPëC,PjC-C† бґ“ PrC†P¶Pµ CґC-PrPePs; C-PSC„P°CґPeC, PjC-PsPeP°CґPrP°
PjPsP¶Pµ PIPëPSPëPeP°C,Pë PIPSP°C†P»C-PrPsPe PSP°PrPjC-CґPSPsPiPs P·PSPëP¶PµPSPSC†
P°CґC,PµCґC-P°P»CHPSPsPiPs C,PëC†PeC† C† PiP°C†C-C”PSC,C-PI PiCґC†PiPë
PIPëC†PsPePsPiPs CґPëP·PëPeC† бґ“ PrC†P¶Pµ CґC-PrPePs.

P— P±PsPeC† C†C†PrPëPSPSPSC— C†PëC†C,PµPjPë: P°CґC,PµCґC-P°P»CHPSP°
PiC-PiPsC,PµPSP·C-C† (C,P° PiPsPiбґ™ C†P·P°PSC- P· PSPµCґ C†PëPjPiC,PsPjPë) бґ“
C†P°C†C,Ps; PIP°C†PeC†P»C-C, бґ“ PSPµC†P°C†C,Ps*; PiCґPëPiP»PëPIPë P¶P°CґC† бґ“
CґC-PrPePs*; C-PSC†C†P»CHC, PjPsP¶Pµ PIPëPSPëPeP°C,Pë PIPSP°C†P»C-PrPsPe
PSP°PrPjC-CґPSPsPiPs P·PSPëP¶PµPSPSC† P°CґC,PµCґC-P°P»CHPSPsPiPs C,PëC†PeC† C†
PiP°C†C-C”PSC,C-PI PiCґC†PiPë PIPëC†PsPePsPiPs CґPëP·PëPeC† бґ“ PrC†P¶Pµ CґC-PrPePs;
C„PµPSPsPjPµPS P PµPNëPSPs бґ“ C†P°C†C,PsC,P° PSPµPIC-PrPsPjP°.

P— P±PsPeC† PrPëC...P°P»CHPSPSC— C†PëC†C,PµPjPë, PsCґPiP°PSC-PI PiCґC†PrPSPSC—
PeP»C-C,PePë C,P° C†PµCґPµPrPsC†C,C-PSPSC†: PeP°C€PµP»CH бґ“ C†P°C†C,Ps;
P·P°PrPëC€PeP° бґ“ C†P°C†C,Ps; P±CґPsPSC...PsC†PiP°P·Pj бґ“ PSPµC†P°C†C,Ps;
PµPsP·PëPSPSC„C-P»CHPSP° PiPSPµPIPjPsPSC-C† бґ“ PrC†P¶Pµ CґC-PrPePs; CґPëPSC-C, бґ“
PrC†P¶Pµ CґC-PrPePs.

P— P±PsPeC† C,CґP°PIPSpSC— C†PëC†C,PµPjPë: P±C-P»CH C† P¶PëPiPsC,C- бґ“ C†P°C†C,Ps;
P·P°PiPsCґ бґ“ C†P°C†C,Ps; PrC-P°CґPµC† бґ“ C†P°C†C,Ps; C†PiPsC,PIPsCґPµPSPSC†
PIC-PrC†C†C,C,C† C†PjP°PeC† (PrPëC†PiPµPIP·C-C†) бґ“ C†P°C†C,Ps; PrPëC†PiPµPiC†C-C†
бґ“ C†P°C†C,Ps; PSC†PrPsC,P° бґ“ C†P°C†C,Ps; P±P»CґPIP°PSPSC† бґ“ C†P°C†C,Ps;
C†C†C...C-C†C,CH C† CґPsC,C- бґ“ PSPµC†P°C†C,Ps; PiP°PSPeCґPµP°C,PëC, бґ“ PrC†P¶Pµ
CґC-PrPePs.

P— P±PsPeC† PiPµPiP°C,PsP±C-P»C-P°CґPSPSC— C†PëC†C,PµPjPë:
C†PëC,PsP»C-C,PëC†PSPëPNë P°P±Ps C...PsP»PµC†C,P°C,PëC†PSPëPNë PiPµPiP°C,PëC, бґ“
PrC†P¶Pµ CґC-PrPePs.

P— P±PsPeC† C€PeC-CґPë C,P° C—C— PiPsC...C-PrPSPëC...: C†PIPµCґP±C-P¶ бґ“ C†P°C†C,Ps;
PIPëC†PëPiP°PSPSC† бґ“ C†P°C†C,Ps; PeCґPsPiPëPiбґ™ C†PSPeP° бґ“ PSPµC†P°C†C,Ps;
P°PSPiC-PsPSPµPICґPsC,PëC†PSPëPNë PSP°P±CґC†Pe PsP±P»PëC†C†C†, PeC-PSC†C-PIPsPe,
PiC†P±, C†P»PëP·PsPIPëC... PsP±PsP»PsPSPsPe, C†P·PëPeP°, PiPsP»PsC†PsPIPsC—
C%oC-P»PëPSPë C,P°/P°P±Ps PiPsCґC,P°PSC- бґ“ PSPµC†P°C†C,Ps; CґPµP°PeC†C-C—
C„PsC,PsC†C†C,P»PëPIPsC†C,C- бґ“ PSPµC†P°C†C,Ps*; PiPµPjC„C-PiPsC—Pr бґ“
PSPµC†P°C†C,Ps*; PiC-PiPµCґPiC-PrCґPsP· бґ“ PSPµC†P°C†C,Ps; PiPsC†PëP»PµPSPSC†
C†PëPjPiC,PsPjC-PI PiC†PsCґC-P°P·C† бґ“ CґC-PrPePs; PjC†P»CHC,PëC„PsCґPjPSP°
PµCґPëC,PµPjP° бґ“ PrC†P¶Pµ CґC-PrPePs.

P— P±PsPeCf CÍPePμP»PμC,PSPs-PjB™ CÍP·PsPIPSC— CÍPëCÍC,PμPjPë C,P°
CÍPiPsP»CfC±PSPSC— C,PëP°PSPëPSPë: CÍCfPrPsPjPë PjB™ CÍP·C-PI B™“ C±P°CÍC,Ps;
P°C™C,C™P°P»PiC-CÍ B™“ PSPμC±P°CÍC,Ps*; PjC-P°P»PiC-CÍ B™“ PSPμC±P°CÍC,Ps*.

P— P±PsPeCf PSPëC™PsPe C,P° CÍPμC±PsPIPëPrC-P»CHPSPSC— CÍPëCÍC,PμPjPë:
PSPëC™PePsPIP° PSPμPrPsCÍC,P°C,PSC-CÍC,CH B™“ PSPμC±P°CÍC,Ps; PiPsCÍC,C™P°
PSPëC™PePsPIP° PSPμPrPsCÍC,P°C,PSC-CÍC,CH B™“ C™C-PrPePs;
P°PSCfC™C-CÍ/PsP»C-PiCfC™C-CÍ B™“ C™C-PrPePs*.

P— P±PsPeCf C™PμPiC™PsPrCfPeC,PëPIPPSC— CÍPëCÍC,PμPjPë C,P° PjPsP»PsC±PSPëC...
P·P°P»PsP: C™PμPeC,PëP»CHPSP° PrPëCÍC,,CfPSPëC†C-CÍ B™“ PSPμC±P°CÍC,Ps.

P—P°PiP°P»CHPSC- C™PsP·P»P°PrPë: P°CÍC,PμPSC-CÍ B™“ C±P°CÍC,Ps; P±C-P»CH Cf
PiC™CfPrPSC-PNë PeP»C-C,C†C- B™“ PSPμC±P°CÍC,Ps*; PSPμP·PrCfP¶P°PSPSCÍ B™“
PSPμC±P°CÍC,Ps*; PiPμC™PëC,,PμC™PëC±PSC- PSP°P±C™CÍPePë B™“ PSPμC±P°CÍC,Ps*;
PiC-PiPμC™C,PμC™PjC-CÍ B™“ PSPμC±P°CÍC,Ps*.

P”PsCÍP»C-PrP¶PμPSPSCÍ: PiC-PrPIPëC%PμPSPSCÍ C™C-PIPSCÍ CÍPμC±PsPIPëPSPë PI
PeC™PsPIC- B™“ PSPμC±P°CÍC,Ps*; PiC-PrPIPëC%PμPSPSCÍ C™C-PIPSCÍ
PeC™PμP°C,PëPSC-PSCf PI PeC™PsPIC- B™“ PSPμC±P°CÍC,Ps*; PiC-PrPIPëC%PμPSPSCÍ
C™C-PIPSCÍ P±C-P»C-C™CfP±C-PSCf PI PeC™PsPIC- B™“ C™C-PrPePs;
PiC-PrPIPëC%PμPSPSCÍ C™C-PIPSCÍ PiPμC†C-PSPëPsPIPëC... C,,PμC™PjPμPSC,C-PI B™“
C™C-PrPePs.

PJCëPePsPrP¶PμPSPSCÍ, PsC,C™CfC”PSPSCÍ C,P° CfCÍPeP»P°PrPSPμPSPSCÍ PiC™PëPNëPsPjCf:
PiP°PrC-PSPSCÍ B™“ PSPμC±P°CÍC,Ps*.

*P§P°CÍC,PsC,P° PiPsP±C-C±PSPëC... C™PμP°PeC†C-PNë, PIPëCÍPIP»PμPSPëC... P·P°
PrPsPiPsPjPsPiPsC™ CÍPiPsPSC,P°PSPSPëC... PiPsPIC-PrPsPjP»PμPSC™,
C™PsP·C™P°C...PsPIP°PSP° P·P° PrP°PSPëPjPë PeP»C-PSC-C±PSPëC... PrPsCÍP»C-PrP¶PμPSC™.

PμP»C-PSC-C±PSC- PrPsCÍP»C-PrP¶PμPSPSCÍ

PμC-Pr C±P°CÍ PiPμC™C-PsPrCf C™P°PSPrPsPjC-P·P°C†C-C— Cf PrPsCÍP»C-PrP¶PμPSPSC-
EUROPA P±CfP»Ps P·C-P±C™P°PSPs C-PSC,,PsC™PjP°C†C-C™ C,C-P»CHPePë PiC™Ps
CÍPμC™PNëPsP·PSC- PIPëPiP°PrPePë PiPsP±C-C±PSPëC... C™PμP°PeC†C-PNë. PJ
PSPμPIPμP»PëPePsC— PeC-P»CHPePsCÍC,C- PiP°C†C-C”PSC,C-PI P±CfP»Ps PIPëCÍPIP»PμPSPs
CÍPμC™PNëPsP·PSC- PiPsP±C-C±PSC- C™PμP°PeC†C-C—: 16 (0,3 %) C-P· 6122
PiP°C†C-C”PSC,C-PI Cf PiC™CfPiC- PiPμC™PëPSPrPsPiC™PëP»Cf C,P° 12 (0,2 %) C-P· 6107
PiP°C†C-C”PSC,C-PI Cf PiC™CfPiC- PiP°C†C-C”PSC,C-PI, CÍPeC- PsC,C™PëPjCfPIP°P»Pë
PiP°P°C†PμP±Ps. PŸPμC™PμPr PiP°C†C-C”PSC,C-PI, CÍPeC- PsC,C™PëPjCfPIP°P»Pë
PiPμC™PëPSPrPsPiC™PëP», P°C™C,PμC™C-P°P»CHPSP° PiC-PiPsC,PμPSP·C-CÍ
CÍPiPsCÍC,PμC™C-PiP°P»P°CÍCÍ Cf 6 PiP°C†C-C”PSC,C-PI,
P°PSPiC-PsPSPμPIC™PsC,PëC±PSPëPNë PSP°P±C™CÍPe B™“ Cf 3 PiP°C†C-C”PSC,C-PI C,P°
C™P°PiC,PsPIP° P·CfPiPëPSPëP° CÍPμC™C†CÍ B™“ Cf 1 PiP°C†C-C”PSC,P°. PμP°C†C-C”PSC,Pë,
CÍPeC- PiC™PëPiPëPSPëP»Pë CfC±P°CÍC,CH Cf PrPsCÍP»C-PrP¶PμPSPSC-, 6,0 % (n=366)
CÍPeP°C™P¶PëP»PëCÍCH PSP° PeP°CëPμP»CH, P°C™C,PμC™C-P°P»CHPSCf
PiC-PiPsC,PμPSP·C-C™ P°P±Ps P±CfPrCH-CÍPeCf C-PSCëCf
PSPμPiPμC™PμPSPsCÍPëPjC-CÍC,CH PiPμC™PëPSPrPsPiC™PëP»Cf PiPsC™C-PIPSCÍPSPs P· 2,1
% (n=129) PiP°C†C-C”PSC,C-PI, CÍPeC- PiC™PëPNëPjP°P»Pë PiP°P°C†PμP±Ps.

PμPsPIC-PrPsPjP»PμPSPSCÍ PiC™Ps PiPsP±C-C±PSC- C™PμP°PeC†C-C— PiC-CÍP»CÍ

PhPř B«PαP°CřPjP°PeB» (PIC-PrPřsPIC-PrP°P»CHbPSPěPN₂ P·P° PIPěCřPsP±PSPěC†C, PIPs C, P° PePsPSC, CřPsP»CHb/PIPěPřCřPsP±CřPIP°PSPSC† CřP_uCřC-C—, PSP_u PIPeP»CřC†P°CřC†Pě PIPěPřCřCřPe CřP_uCřC-C—).

**РњС-СГС†РμР·PSP°C...PsPrP¶PμPSPSC¶ PIPëC¶PsP±PSPëPeP° C,P° P°PrC¶PμCГP°
PjC-СГС†C¶ PïC¶PsPIP°PrP¶PμPSPSC¶ PNøPsPiPs PrC-С¶P»СНPSPsСГC,C-.**

PJPeC¶P°C—PSP°, 01013, Pj. РљРëС—PI, PICГP». P'СГPrC-PSPrCГCГC,C¶C—, P±CГPr. 5.

PJPeC¶P°C—PSP°, 04080, Pj. РљРëС—PI, PICГP». РљРëC¶PëP»C-PICГСНPeP°, 74.

Р—Р°С¶PIPSPëPe.

PŷPhP' PќP'Pα B«РњP†РљP PhPIГP†РњB».

РњС-СГС†РμР·PSP°C...PsPrP¶PμPSPSC¶ Р·Р°С¶PIPSPëPeP°.

PJPeC¶P°C—PSP°, 01013, Pj. РљРëС—PI, PICГP». P'СГPrC-PSPrCГCГC,C¶C—, P±CГPr. 5.

PμPsPIC-PrPsPjPëC,Pë PïC¶Ps PSPμP±P°P¶P°PSPμ С¶PIPëC‰Pμ PïC¶Pë
P·P°CГC,PsCГCГPIP°PSPSC- P»C-PeP°C¶CГСНPePsPiPs P·P°CГPsP±CГ P'Pë PjPsP¶PμC,Pμ P·P°
C,PμP»PμC,,PsPSPsPj 38 (050) 309-83-54 (C†C-P»PsPrPsP±PsPIPs).