

Р†РќРЎРЎР РЈРЉРІР†РЇ

**PrP»CЦ PjPμPrPëC±PSPsPiPs P·P°CíC,PsCíCíPIP°PSPSCЦ P»C-PeP°CЦCíCñPePsPiPs
P·P°CíPsP±Cí**

PhPŸP•PŸP PhPĆ^{B®}

(OSETRON)

$P\check{Y}P\in P\gg P^{\circ}P\Gamma$:

$$PrC-C\bar{H}C\ddagger P^{\circ} \ C\bar{H}P_{\mu}C\ddagger PsPIP\ddot{e}PSP^{\circ}: PsPSP\tau P^{\circ}PSC\acute{I}P_{\mu}C, C\bar{H}PsPS;$$

1 PjP» C₇H₅PsP·C≡P₂SCr PjC-C₇H₅,P₂C,CH₃ PsPSP⁺P⁺SC⁺P_μC,C₇H₅PsPSC⁺
PiC-PrC₇H₅PsC...P»PsC₇H₅P₂PrCr P_μPePIC-PIP⁺P»P_μPSC, PSPs 2 PjPi PsPSP⁺P⁺SC⁺P_μC,C₇H₅PsPSC⁺;

PrPsPiPsPjC-P¶PSC- CḡPμC†PsPIPëPSPë: PePëCÍP»PsC,P° P»PëPjPsPSPSP°, PjPsPSPsPiC-PrCḡP°C,; PSP°C,CḡC-Cḡ C†PëC,CḡP°C,; PSP°C,CḡC-Cḡ C...P»PsCḡPëPr; PIPsPrP° PrP»Cḡ C-PSBḡ™C"PeC†C-PNë.

P>C-PeP°C₇C₇CH₂PeP° C₁₁PsC₇PjP°. P PsP·C₇P₂PS P₇P»C₇C-PSB₇™ C₇PeC₇C-PN₀.

*PhCl'PSPsPIPSC- C,,C-P·PëPePs-C...C-PjC-C#PSC- PIP»P°Cl'C,PëPIPsCl'C,C-: PïCtjPsP·PsCtjPëPN₂
P±PµP·P±P°CtjPIPSPëPN₂ CtjPsP·C#PëPS PïCtjP°PeC,PëC#PSPs PIC-P»CHbPSPëPN₂ PIC-Pr
C#P°Cl'C,PSPe.*

[illegible]

$P\alpha P^{\circ}C\bar{H}PjP^{\circ}P_{\epsilon}P_sP\gg PsPiC-C\bar{+}PSC-PIP\gg P^{\circ}C\bar{I}C,P\bar{e}PIPsC\bar{I}C,C-$

PαP°CḤPjP°PePsPrPëPSP°PjC-PeP°. PhPSPrP°PSCÍPμC,CḤPsPS BḤ“
PiCḤPsC,PëP±P»CḤPIPcC,PSPëPNε P·P°CÍC-P± P· PiCḤCÍPİPë P°PSC,P°PiPsPSC-CÍC,C-PI
CÍPμCḤPsC,PsPSC-PSCÍ. PŸPμCḤPsC,PsPSC-PSPsPIC- 5-PkPŸ₃-CḤPμC†PμPİC,PsCḤPë
P·PSP°C...PsPrCḤC,CḤCÍCḤ PSP° PIP°PiCÍCÍPSPëC... P°C,,PμCḤPμPSC,PSPëC...
PIPcP»PsPePSP°C... PİPμCḤPëC,,PμCḤPëC†PSPcC— PSPμCḤPIPcPIPcC— CÍPëCÍC,PμPjPë, P°
C,P°PePsP¶ CÍ C...PμPjPsCḤPμC†PμPİC,PsCḤP°C... C,CḤPëPiPμCḤPSPcC— P·PsPSPë *area*
postrema.

PIГC-PjC-PsC, P_μCT₃P°PiC-Cl C, P° PiCT₃PsPjP_μPSP_μPIP° C, P_μCT₃P°PiC-Cl CT₃PiCT₃PēC_μCT₃C, C_μ
PIPēPIC-P»C_μHPSP_μPSPSC₃ 5P₄P₃ (CT₃P_μCT₃PsC, PsPSC-PSC₃) P·
P_μPSC, P_μCT₃PsC...CT₃PsPjP°C,, C-PSPSPēC... PeP»C-C, PēPS C, PsPSPePsC— PePēCēPePē C, P°
PiCT₃PsPIPsPeC₃CT₃C, C_μ P±P»CT₃PIPsC, PSPēPN₂ CT₃P_μC,, P»P_μPeC₃ CēP»C_μC...PsPj
CT₃C, PēPjC₃P»CT₃PIP°PSPSC_μ 5-HT₃-CT₃P_μC†P_μPiC, PsCT₃C-PI P°C,, P_μCT₃P_μPSC, PSPēC...
PIPsP»PsPePsPS. PhPSP₃P°PSC₃P_μC, CT₃PsPS P±P»PsPeC₃C” CT₃PsP·PIPēC, PsPe C†PēC...
CT₃P_μC,, P»P_μPeC₃C-PI C, P° PjPsP¶P_μ PrPsPrP°C, PePsPIPs PIPiP»PēPIP°C, Pē PSP° 5-HT₃-
CT₃P_μC†P_μPiC, PsCT₃Pē C†P_μPSC, CT₃P°P»C_μHPSPsC— PSP_μCT₃PIPsPIPsC— CT₃PēC₃C, P_μPjPē
CēP»C_μC...PsPj PIPiP»PēPIC₃ PSP° PIP°PiC₃CT₃PSC- P·PsPSPē *area postrema*. P₃P°PePēPj
C†PēPSPsPj, PiCT₃Pē C†PēC, PsC, PsPeC₃PēC±PSC-PN₂ C...C-PjC-PsC, P_μCT₃P°PiC-C— C, P°

ΠΐΨςΡεΡ°Ρ·Ρ°Ρ»Πέ, C%οΨς ΨςΨΡρΡ°ΨΣΓΐΡμC, CΉΨςΨ ΨΨμ ΠΙΡ·Ρ°C”ΡjΨςΡrC-C” Ρ·
Ρ°Ρ»ΡεΨςΠςΨ»ΡμΡj, C, ΡμΡjΡ°Ρ·ΡμΠΐ°ΡjΨςΡj, C,,CρCΉΨςΓΐΡμΡjC-ΡrΨςΡj,
Ρ°Ρ»C,,ΡμΨΣC,Ρ°ΨΣC-Ρ»ΨςΡj, C,CΉΡ°ΡjΡ°ΡrΨςΡ»ΨςΡj, ΡjΨςCΉC,,C-ΨΨςΡj,
Ρ»C-ΠςΨςΡεΡ°C—ΨΨςΡj, C,C-ΨςΠΐΡμΨΣC,Ρ°Ρ»ΨςΡj Ρ°Ρ±Ψς ΠΐCΉΨςΠΐΨςC,,ΨςΡ»ΨςΡj.

ΡhΨΡρΡ°ΨΣΓΐΡμC,CΉΨςΨ ΡjΡμC,Ρ°Ρ±ΨςΡ»C-Ρ·CρC”C,CΉCΓΐCΠ CΉC-Ρ·ΨΨςΡjΡ°ΨΣC-C,ΨΨεΡjΠέ
C,,ΡμCΉΡjΡμΨΣC,Ρ°ΡjΠέB C†ΠέC,ΨςC...CΉΨςΡjCρ P 450 ΠΐΡμC†C-ΨΨεΡj: CYP3A4, CYP2D6 C,Ρ°
CYP1A2. Ρ—Ρ°ΠΙΡrCΠΡεΠέ CΉC-Ρ·ΨΨςΡjΡ°ΨΣC-C,ΨΨςCΓΐC,C- C,,ΡμCΉΡjΡμΨΣC,C-ΠΙ
ΡjΡμC,Ρ°Ρ±ΨςΡ»C-Ρ·ΡjCρ ΨςΨΡρΡ°ΨΣΓΐΡμC,CΉΨςΨCρ Πΐ°Ρ»CΉΡjCρΠΙ°ΨΨΣCΠ Ρ°Ρ±Ψς
Ρ·ΡjΡμΨΣC€ΡμΨΨΣCΠ Ρ°ΡεC,ΠεΠΙΨςCΓΐC,C- ΨςΡrΨΨςΠΐΨς Ρ· ΨΨεC... (ΨΨ°ΠΐCΉΡεΡ»Ρ°Ρr
ΠΐΡμΨΨμC,ΠεC†ΨΨεΠn ΡrΡμC,,C-C†ΠέC, CYP2D6) Cρ Ρ·ΠΙΡεC†Ρ°ΠnΨΨεC... CρΡjΨςΠΙ°C...
ΡεΨςΡjΠΐΡμΨΣΓΐCρC”C,CΉCΓΐCΠ C-ΨΣC€ΡεΡjΠέ C,,ΡμCΉΡjΡμΨΣC,Ρ°ΡjΠέ C- ΨΨμ Ρ±CρΡrΡμ
ΡjΡ°C,Πέ ΠΙΠΐΡ»ΠεΠΙCρ ΨΨ° Ρ·Ρ°ΠΐΡ°Ρ»CΉΨΨεΠn ΡεΡ»C-CΉΡμΨΣCΓΐ ΡεCΉΡμΡ°C,ΠεΨΣC-ΨΣCρ
Ρ°Ρ±Ψς ΠΙΠΐΡ»ΠεΠΙ Ρ±CρΡrΡμ ΨΨμΡ·ΨΨ°C†ΨΨεΡj.

Ρ— ΨςΡ±ΡμCΉΡμΡ¶ΨΣC-CΓΐC,CΉ CΓΐΡ»C-Ρr Ρ·Ρ°CΓΐC,ΨςCΓΐΨςΠΙCρΠΙΡ°C,Πέ
ΨςΨΡρΡ°ΨΣΓΐΡμC,CΉΨςΨ CΉΡ°Ρ·ΨςΡj Ρ· Ρ»C-ΡεΡ°CΉCΓΐCΉΡεΡεΡjΠέ Ρ·Ρ°CΓΐΨςΡ±Ρ°ΡjΠέ, C%οΨς
ΠΐΨςΡrΨςΠΙΡ¶CρCΉC,CΉ C-ΨΣC,ΡμCΉΠΙΡ°Ρ» QT C,Ρ°/Ρ°Ρ±Ψς CΓΐΠΐCΉΡεC†ΡεΨΣCΠCΉC,CΉ
ΠΐΨςCΉCρC€ΡμΨΨΣCΠ ΡμΡ»ΡμΡεC,CΉΨςΡ»C-C,ΨΨςΠΐΨς Ρ±Ρ°Ρ»Ρ°ΨΣCΓΐCρ (ΡrΠεΠΙ.
CΉΨςΡ·ΡrC-Ρ» B«ΡhCΓΐΨςΡ±Ρ»ΠεΠΙΨςCΓΐC,C- Ρ·Ρ°CΓΐC,ΨςCΓΐCρΠΙΡ°ΨΨΣCΠB»).

Ρ—Ρ°CΓΐC,ΨςCΓΐCρΠΙΡ°ΨΨΣCΠ ΨςΨΡρΡ°ΨΣCΓΐΡμC,CΉΨςΨCρ CΉΡ°Ρ·ΨςΡj Ρ·
ΠΐCΉΡμΠΐΡ°CΉΡ°C,Ρ°ΡjΠέ, CΠΡεC- ΠΐΨςΡrΨςΠΙΡ¶CρCΉC,CΉ C-ΨΣC,ΡμCΉΠΙΡ°Ρ» QT, ΡjΨςΡ¶Ρμ
ΠΐCΉΡεΡ·ΠΙΡμCΓΐC,Πέ ΡrΨς ΡrΨςΡrΡ°C,ΡεΨςΠΙΨςΠΐΨς ΠΐΨςΡrΨςΠΙΡ¶ΡμΨΨΣCΠ C-ΨΣC,ΡμCΉΠΙΡ°Ρ»Cρ
QT. ΡΥCρΠΐCρC,ΨΣC” Ρ·Ρ°CΓΐC,ΨςCΓΐCρΠΙΡ°ΨΨΣCΠ ΨςΨΡρΡ°ΨΣCΓΐΡμC,CΉΨςΨCρ Ρ·
ΡεΡ°CΉΡrC-ΨςC,ΨςΡεCΓΐΡεC†ΨΨεΡjΠέ ΠΐCΉΡμΠΐΡ°CΉΡ°C,Ρ°ΡjΠέ (ΨΨ°ΠΐCΉΡεΡ»Ρ°Ρr,
Ρ°ΨΣC,CΉΡ°C†ΠεΡεΡ»C-ΨΨε, C,Ρ°ΡεC- CΠΡε ΡrΨςΡεCΓΐΨςCΉCρΡ±C-C†ΠεΨς,B
ΡrΡ°CρΨΨςCΉCρΡ±C-C†ΠεΨς, Ρ°Ρ±Ψς C,CΉΡ°CΓΐC,CρΡ·CρΡjΡ°Ρ±), Ρ°ΨΣC,ΠεΡ±C-ΨςC,ΠεΡεΡ°ΡjΠέ
(C,Ρ°ΡεΡεΡjΠέ CΠΡε ΡμCΉΡεC,CΉΨςΡjC-C†ΠεΨς), ΠΐCΉΨςC,ΠεΠΐCΉΡεΡ±ΡεΨςΠΙΡεΡjΠέ
ΠΐCΉΡμΠΐΡ°CΉΡ°C,Ρ°ΡjΠέ (C,Ρ°ΡεΡεΡjΠέ CΠΡε ΡεΡμC,ΨςΡεΨςΨΨ°Ρ·ΨςΡ»),
Ρ°ΨΣC,ΠεΡ°CΉΡεC,ΡjC-C†ΨΨεΡjΠέ ΠΐCΉΡμΠΐΡ°CΉΡ°C,Ρ°ΡjΠέ (C,Ρ°ΡεΡεΡjΠέ CΠΡε
Ρ°ΡjC-ΨςΡrΡ°CΉΨςΨ) C,Ρ° Ρ±ΡμC,Ρ°-Ρ±Ρ»ΨςΡεΡ°C,ΨςCΉΡ°ΡjΠέ (C,Ρ°ΡεΡεΡjΠέ CΠΡε
Ρ°C,ΡμΨΨςΡ»ΨςΡ» Ρ°Ρ±Ψς C,ΠεΡjΨςΡ»ΨςΡ») Ρ·Ρ±C-Ρ»CΉC€CρC” CΉΡεΡ·ΠεΡε CΉΨςΡ·ΠΙΡεC,ΡεCρ
Ρ°CΉΡεC,ΡjC-Πn (ΡrΠεΠΙ. CΉΨςΡ·ΡrC-Ρ» B«ΡhCΓΐΨςΡ±Ρ»ΠεΠΙΨςCΓΐC,C-
Ρ·Ρ°CΓΐC,ΨςCΓΐCρΠΙΡ°ΨΨΣCΠB»).

ΡΥΡμCΉΨςC,ΨςΨΣC-ΨΨμCΉΠΐΡμC,ΠεΡεΡε (ΨΨ°ΠΐCΉΡεΡ»Ρ°Ρr, ΡΥΡ†Ρ—Ρ—ΡΥ C,Ρ°
Ρ†Ρ—Ρ—ΡΥΡκ)

ΡΥΡμCΉΨςC,ΨςΨΣC-ΨΨςΠΙΡεΠn CΓΐΡεΨΡrCΉΨςΡj (ΠΙΡεΡ»CΉC†Ρ°CΉC†Πέ Ρ·ΡjC-ΨΨε
ΠΐCΓΐΡεC...C-C†ΨΨςΠΐΨς CΓΐC,Ρ°C,CρCΓΐCρ, ΠΙΡμΠΐΡμC,Ρ°C,ΠεΠΙΨCρ
ΨΨμCΓΐC,Ρ°Ρ±C-Ρ»CΉΨΣC-CΓΐC,CΉ C- ΨΨμCΉΠΙΡςΠΙΡς-ΡjBΉ™ CΠΡ·ΨςΠΙC-
ΠΐΨςCΉCρC€ΡμΨΨΣCΠ) Ρ±CρΠΙ ΨςΠΐΡεCΓΐΡ°ΨΨεΠn ΠΐC-CΓΐΡ»CΠ ΨςΡrΨΨςC†Ρ°CΓΐΨΨςΠΐΨς
Ρ·Ρ°CΓΐC,ΨςCΓΐCρΠΙΡ°ΨΨΣCΠ ΨςΨΡρΡ°ΨΣCΓΐΡμC,CΉΨςΨCρ C,Ρ° C-ΨΣC€ΡεC...
CΓΐΡμCΉΨςC,ΨςΨΣC-ΨΨμCΉΠΐC-C†ΨΨεC... ΠΐCΉΡμΠΐΡ°CΉΡ°C,C-ΠΙ, Cρ C,ΨςΡjCρ C†ΠεCΓΐΡ»C-
CΓΐΡμΡ»ΡμΡεC,ΠεΠΙΨΨεC... C-ΨΨΠΐC-Ρ±C-C,ΨςCΉC-ΠΙ Ρ·ΠΙΡςCΉΨςC,ΨΨςΠΐΨς
Ρ·Ρ°C...ΨςΠΐΡ»ΡμΨΨΣCΠ CΓΐΡμCΉΨςC,ΨςΨΣC-ΨΣCρ (ΡΥΡ†Ρ—Ρ—ΡΥ) C,Ρ° C-ΨΨΠΐC-Ρ±C-C,ΨςCΉC-ΠΙ
Ρ·ΠΙΡςCΉΨςC,ΨΨςΠΐΨς Ρ·Ρ°C...ΨςΠΐΡ»ΡμΨΨΣCΠ CΓΐΡμCΉΨςC,ΨςΨΣC-ΨΣCρ C,Ρ°
ΨΨςCΉΡ°ΡrCΉΡμΨΨ°Ρ»C-ΨΣCρ (Ρ†Ρ—Ρ—ΡΥΡκ) (ΡrΠεΠΙ. CΉΨςΡ·ΡrC-Ρ»
B«ΡhCΓΐΨςΡ±Ρ»ΠεΠΙΨςCΓΐC,C- Ρ·Ρ°CΓΐC,ΨςCΓΐCρΠΙΡ°ΨΨΣCΠB»).

ΡhΠΐΨςΡjΨςCΉC,,C-ΨΣ

P—P°CÍ'C,PsCÍ'CrPIP°PSPSCÍ P_sPSPrP°PSCÍ'P_μC,CH₂PsPSCr' CH₂P°P·PsPj P·
P°P_iPsPjPsCH₂C,,C-PSCr' PiC-PrCH₂PsC...P»PsCH₂PëPrPsPj PiCH₂PsC,PëPiPsPeP°P·P°PSP_μ,
PsCÍ'PeC-P»CH₂PePë CÍ'PiPsCÍ'C,P_μCH₂C-PiP°P»PëCÍ'CI PIPëPiP°PrPePë PIPëCH₂P°P·PSPsC—
PiC-PiPsC,P_μPSP·C-C— C,P° PIC,CH₂P°C,Pë CÍ'PIC-PrPsPjPsCÍ'C,C- PiC-Pr C‡P°CÍ'
CÍ'CrPjC-CÍ'PSPsPiPs P·P°CÍ'C,PsCÍ'CrPIP°PSPSCÍ.

P_αP_μPSC-C,PsC—PS, PeP°CH₂P±P°PjP°P·P_μPiC-PS C- CH₂PëC,,P°PjPiC-C‡PëPS

Pj PiP°C‡C-C''PSC,C-PI, CI₂PeC- P»C-PeCÍ'CH₂C,CH₂CÍ'CI PiPsC,CrP¶PSPëPjPë
C-PSPrCÍ'PeC,PsCH₂P°PjPë CYP3A4 (PSP°PiCH₂PëPeP»P°Pr C,,P_μPSC-C,PsC—PSPsPj,
PeP°CH₂P±P°PjP°P·P_μPiC-PSPsPj C- CH₂PëC,,P°PjPiC-C‡PëPSPsPj), PeP»C-CH₂P_μPSCÍ'
PsPSPrP°PSCÍ'P_μC,CH₂PsPSCr' P·P±C-P»CH₂C€CÍ'C",CH₂CÍ'CI C- PN₂PsPiPs
PePsPSC‡P_μPSC,CH₂P°C‡C-CÍ Cr PeCH₂PsPIC- P·PjP_μPSC€CÍ'C",CH₂CÍ'CI.

PÿCH₂P°PjP°PrPsP»

P—P° PrP°PSPëPjPë PrP_μCI₂PePëC... PeP»C-PSC-C‡PSPëC... PrPsCÍ'P»C-PrP¶P_μPSCH,
PsPSPrP°PSCÍ'P_μC,CH₂PsPS PjPsP¶P_μ P·PjP_μPSC€CÍ'PIP°C,Pë P°PSP°P»PiP_μC,PëC‡PSPëPN₂
P_μC,,P_μPeC, C,CH₂P°PjP°PrPsP»CÍ'.

PhCÍ'PsP±P»PëPIPsCÍ'C,C- P·P°CÍ'C,PsCÍ'C¿PIP°PSPSCÍ.

P_μCH₂Pë P»C-PeCÍ'PIP°PSPSC- PiP°C‡C-C''PSC,C-PI C-P· PiCH₂PsCI₂PIP°PjPë
PiC-PiP_μCH₂C‡CÍ'C,P»PëPIPsCÍ'C,C- PrPs C-PSC€PëC... CÍ'P_μP»P_μPeC,PëPIPsPëC...
P°PSC,P°PiPsPSC-CÍ'C,C-PI 5P_kPÿ₃-CH₂P_μC‡P_μPiC,PsCH₂C-PI CÍ'PiPsCÍ'C,P_μCH₂C-PiP°P»PëCÍ'CI
CH₂P_μP°PeC‡C-C— PiC-PiP_μCH₂C‡CÍ'C,P»PëPIPsCÍ'C,C-.

P P_μP°PeC‡C-C—, PiPsPi_h™ CI₂P·P°PSC- P· PrPëC...P°P»CH₂PSPsCH CÍ'PëCÍ'C,P_μPjPsCH,
P»C-PeCÍ'CH₂C,CH₂ CÍ'PëPjPiC,PsPjP°C,PëC‡PSPs. P_hP_μPrPëC‡PSC- PiCH₂P°C‡C-PIPsPëPePë
PjP°CH₂C,CH₂ P·PIP_μCH₂C,P°C,Pë PSP° PSPëC... PsCÍ'PsP±P»PëPICr' CrPIP°PiCr,
PsCÍ'PeC-P»CH₂PePë PIPsPSPë C" PsP·PSP°PeP°PjPë CH₂P_μP°PeC‡C-PN₂ PiC-PrPIPëC‰P_μPSPsC—
C‡CÍ'C,P»PëPIPsCÍ'C,C- PSP° P»C-PeP°CH₂CÍ'CH₂PePëPN₂ P·P°CÍ'C-P±.

PhPSPrP°PSCÍ'P_μC,CH₂PsPS PrPsP·PsP·P°P»P_μP¶PSPs PiPsPrPsPIP¶CÍ'C" C-PSC,P_μCH₂PIP°P» QT
(PrPëPI. CH₂PsP·PrC-P» B«P_αP°CH₂PjP°PePsP»PsPiC-C‡PSC- PIP»P°CÍ'C,PëPIPsCÍ'C,C-B»).

P_hCH₂C-Pj C,PsPiPs, Cr PiP_μCH₂C-PsPr PiC-CÍ'P»CI₂PjP°CH₂PeP_μC,PëPSPiPsPIPsPiPs
CÍ'PiPsCÍ'C,P_μCH₂P_μP¶P_μPSPSCÍ P±CÍ'P»Pë PiPsPIC-PrPsPjP»P_μPSPSCÍ PiCH₂Ps PIPëPiP°PrPePë
C,CH₂P_μPjC,C-PSPSCÍ/PjP_μCH₂P_μC...C,C-PSPSCÍ C€P»CrPSPsC‡PeC-PI (*torsade de pointes*)
PiCH₂Pë P·P°CÍ'C,PsCÍ'CrPIP°PSPSC- PsPSPrP°PSCÍ'P_μC,CH₂PsPSCr'. PÿP»C-Pr CÍ'PSPëPeP°C,Pë
P·P°CÍ'C,PsCÍ'CrPIP°PSPSCÍ PsPSPrP°PSCÍ'P_μC,CH₂PsPSCr' PiP°C‡C-C''PSC,P°Pj C-P·
PIC₂PsPrP¶P_μPSPëPj CÍ'PëPSPrCH₂PsPjPsPj PiPsPrPsPIP¶P_μPSPSCÍ QT.

PhPSPrP°PSCÍ'P_μC,CH₂PsPS CÍ'P»C-Pr P·P°CÍ'C,PsCÍ'PsPICr'PIP°C,Pë P·
PsP±P_μCH₂P_μP¶PSC-CÍ'C,CH₂ PrP»CI₂P»C-PeCÍ'PIP°PSPSCÍ PiP°C‡C-C''PSC,C-PI, CI₂PeC-
PjP°CH₂C,CH₂ P°P±Ps Cr CI₂PePëC... PjPsP¶P_μ CH₂PsP·PIPëPSCr'C,PëCÍ'CI PiPsPrPsPIP¶P_μPSPSCÍ
C-PSC,P_μCH₂PIP°P»CÍ QT, PIPeP»CH₂C‡P°CH₂C‡Pë PiP°C‡C-C''PSC,C-PI P· PiPsCH₂CrC€P_μPSPSCÍPj
P_μP»P_μPeC,CH₂PsP»C-C,PSPsPiPs P±P°P»P°PSCÍ'Cr', P·P°CÍ'C,C-PN₂PSPsCH CÍ'P_μCH₂C‡P_μPIPsCH
PSP_μPrPsCÍ'C,P°C,PSC-CÍ'C,CH₂ P±CH₂P°PrC-P°CH₂PëC,PjC-CI₂PjPë C- PiP°C‡C-C''PSC,C-PI,
CI₂PeC- P»C-PeCÍ'CH₂C,CH₂CÍ'CI C-PSC€PëPjPë PiCH₂P_μPiP°CH₂P°C,P°PjPë, C‰Ps PjPsP¶CÍ'C,CH₂
CÍ'PiCH₂PëC‡PëPSCÍ,C,Pë PiPsPrPsPIP¶P_μPSPSCÍ C-PSC,P_μCH₂PIP°P»CÍ QT P°P±Ps
PiPsCH₂CrC€P_μPSPSCÍ P_μP»P_μPeC,CH₂PsP»C-C,PSPsPiPs P±P°P»P°PSCÍ'Cr'. P_μP_μCH₂P_μPr

ΠΐΨςϞΨ°Ϟ,ΡεΨςΡϭ Ρ·Ρ°ϞΊϞ,ΨςϞΊϞΊΡΨ°ΡΨΨϞϞ ϞΊΡ»Ϟ-Ρϊ ϞΊΡεΨςϞΊΡμΠΊϞΊΡΨ°Ϟ,Ρε
ΠΊϞ-ΠΊΨςΡεΡ°Ρ»Ϟ-Ϟ"ΡϭϞ-ϞϞ Ϟ,Ρ° ΠΊϞ-ΠΊΨςΡϭΡ°ΠΊΨϞ-Ϟ"ΡϭϞ-ϞϞ.

ΡμΨςΠΊϞ-ΡϊΨςΡϭΡ»ϞϞΡ»ΨςϞΊϞ ΠΊϞΊΨς ΡΨΠεΠΨ°ΡϊΡεΡε Ϟ-ϞεΡμΡϭϞ-Ϟ— ΡϭϞ-ΨςΡεΡ°ϞΊΡϊϞ ϞΊ
ΡΨ°ϞΊϞ-Ϟ"ΨϞ,Ϟ-ΠΊ, ϞϞΡεϞ- ΨςϞ,ϞΊΡεΠϭΡϭΊΡΨ°Ρ»Ρε ΨςΨΡϊΡ°ΨϞΊΡμϞ,ϞΊΨςΨς. Ρϭ
ΡϊΡμϞϞΡεΡεϞ... ΡΨ°ϞΊϞ-Ϟ"ΨϞ,Ϟ-ΠΊ, ΨςϞΊΨςΡ±Ρ»ΡεΠΨς ϞΊ ϞΊΡ°Ρ·Ϟ-
ΡΨϞϞϞ,ϞΊϞ-ϞεΨϞϞΨςΡΨμΨΨΨΨςΡΨς ΡΨΡμΡϊΡμΨΨϞϞ, ϞΊΡεΡϭΠΊϞ,ΨςΡϭΡε
Ρ·ϞΊ ϞϞΡΨΠεΡ»ΡεϞΊϞ ΨςΡϊϞΨ°Ρ·ϞΊ ΠΊϞ-ϞΊΡ»Ϟ ϞϞ ΡΨΡμΡϊΡμΨΨϞϞ
ΨςΨΡϊΡ°ΨϞΊΡμϞ,ϞΊΨςΨϞΊ. ΡμΡ°ϞΊϞ-Ϟ"ΨϞ,Ϟ-ΠΊ ϞΊΡ»Ϟ-Ρϊ ΡΨςΡΨμϞΊΡμΡϊΡεϞ,Ρε ΡΊϞΊΨς
ΨςΡ·ΨΨ°ΡεΡε Ϟ,Ρ° ϞΊΡεΡϭΠΊϞ,ΨςΡϭΡε Ϟ-ϞεΡμΡϭϞ-Ϟ— ΡϭϞ-ΨςΡεΡ°ϞΊΡϊ.

ΡμϞ-ϞΊΡ»Ϟ ϞϞ ΨςΡϊΨΨςϞΨ°ϞΊΨΨςΡΨς Ρ·Ρ°ϞΊϞ,ΨςϞΊϞΊΡΨ°ΡΨΨϞϞ
ΨςΨΡϊΡ°ΨϞΊΡμϞ,ϞΊΨςΨϞΊ Ϟ,Ρ° Ϟ-ΨϞεΡεϞ... ϞΊΡμϞΊΨςϞ,ΨςΨϞ-ΨΨμϞΊΡΊϞ-ϞΨΨεϞ...
ΡΊϞΊΡμΠΨ°ϞΊΡ°Ϟ,Ϟ-ΠΊ Ρ±ϞΊΡ ΨςΡΨεϞϞΊΡ°ΨΨεΡμ ϞΊΡμϞΊΨςϞ,ΨςΨϞ-ΨΨςΡΨΠεΡμ
ϞΊΡεΨΡϊϞΨςΡϭ (ΡϊΡεΡΊ. ϞΊΨςΡ·ΡϊϞ-Ρ» Β«Ρ'Ρ·Ρ°Ϟ"ΡϭΨςΡϊϞ-Ϟ Ϟ-Ϟ-ΨϞεΡεΡϭΡε
Ρ»Ϟ-ΡεΡ°ϞΊϞϞϞΡεΡεΡϭΡε Ρ·Ρ°ϞΊΨςΡ±Ρ°ΡϭΡε Ϟ,Ρ° Ϟ-ΨϞεϞϞ- ΡΨΠεΡϊΡε ΡΨ·Ρ°Ϟ"ΡϭΨςΡϊϞ-ΡμΒ»).

ΡΊΡεϞ%οΨς ΨςΡϊΨΨςϞΨ°ϞΊΨΨμ Ρ»Ϟ-ΡεϞΊΡΨ°ΡΨΨϞϞ ΨςΨΡϊΡ°ΨϞΊΡμϞ,ϞΊΨςΨΨςΡϭ Ϟ-
Ϟ-ΨϞεΡεΡϭΡε ϞΊΡμϞΊΨςϞ,ΨςΨϞ-ΨΨμϞΊΡΊϞ-ϞΨΨεΡϭΡε ΡΊϞΊΡμΠΨ°ϞΊΡ°Ϟ,Ρ°ΡϭΡε
ΡεΡ»Ϟ-ΨϞ-ϞΨΨς ΨςΡ±Τ'ϞΊϞΊΨϞ,ΨςΡΨ°ΨΨς, ϞΊΡμΡεΨςΡϭΡμΨΡϊϞΊϞ"Ϟ,ϞϞϞΊϞ
ΠΊϞ-ΡϊΡΨςΠΊϞ-ΡϊΨμ ϞΊΡΨςϞΊϞ,ΡμϞΊΡμΡμΨμΨΨϞϞ Ρ·Ρ° ΡΨ°ϞΊϞ-Ϟ"ΨϞ,ΨςΡϭ.

ΡϞϞΊΡεϞ-Ρ»ϞϞΡεΡε ΨςΨΡϊΡ°ΨϞΊΡμϞ,ϞΊΨςΨς ΡΨςϞΊΡ»Ρ°Ρ±Ρ»ϞϞ
ΡΨμϞΊΡεϞΊϞ,Ρ°Ρ»ϞϞϞ,ΡεΡεϞ ΡεΡεϞεΡμϞΨΨεΡεϞ, ΡΨςϞ,ϞΊϞ-Ρ±ΨΨεΡμ
ϞΊΡμϞ,ΡμΡ»ϞϞΨΨεΡμ ΨΨ°ΡΨ»ϞϞΡϊ Ρ·Ρ° ΡΨ°ϞΊϞ-Ϟ"ΨϞ,Ρ°ΡϭΡε Ρ· ΨςΡ·ΨΨ°ΡεΡ°ΡϭΡε
ΡΊϞ-ΡϊΡΨςϞΊϞ,ϞΊΨςϞ— ΨΨμΡΊϞΊΨςϞ...Ϟ-ΡϊΨΨςϞΊϞ,Ϟ- ΡεΡεϞεΡμϞΨΨεΡεϞ ΡΊϞ-Ρϊ ϞΨ°ϞΊ
Ρ·Ρ°ϞΊϞ,ΨςϞΊϞΊΡΨ°ΡΨΨϞϞ Ρ»Ϟ-ΡεΡ°ϞΊϞϞϞΡεΡεΡΨς Ρ·Ρ°ϞΊΨςΡ±Ϟ ϞϞϞΊΡμϞ,ϞΊΨςΨς^Β.

Ρϭ ΡΨ°ϞΊϞ-Ϟ"ΨϞ,Ϟ-ΠΊ, ϞϞΡεΡεΡϭ ΡΊϞΊΨςΡΨςΡϊΡεϞ,ϞϞϞΊϞ Ϟ...Ϟ-ϞΊϞΊϞΊϞ-ϞΨΨμ
ΠΊϞ,ϞΊϞϞΨ°ΡΨΨϞϞ ΠΊ Ρ°ΡϊΡμΨΨςϞ,ΨςΨΨ·ΡεΡ»ϞϞϞΨϞ-Ρμ ΡϊϞ-Ρ»ϞϞΨϞΊϞ-,
Ρ·Ρ°ϞΊϞ,ΨςϞΊϞΊΡΨ°ΡΨΨϞϞ ΨςΨΡϊΡ°ΨϞΊΡμϞ,ϞΊΨςΨϞΊ ΡϊΡ»Ϟ ϞΊ ϞΊΨςϞ,Ϟ-Ρ»Ρ°ΡεϞ,ΡεΡεΡε
ΨϞΊΡϊΨςϞ,Ρε Ϟ,Ρ° Ρ±Ρ»ϞϞΡΨ°ΡΨΨϞϞ ΡϭΡςΡμ ΡϭΡ°ϞΊΡεϞΊΡΨ°Ϟ,Ρε ΡΨΠεΨΨεΡεΨμΨΨϞϞ
ΡεϞΊΨςΡΨςϞ,ΡμϞϞ- ΡϭΡςΡϭ Ϟ,Ρ°ΡεϞ- Ϟ...ΡΨςϞϞ- ΡΊϞ-ΡϊΡ»ϞϞΡΨ°ϞϞ,ϞϞ
ϞΊΡμϞ,ΡμΡ»ϞϞΨΨςΡϭ ΨΨ°ΡΨ»ϞϞΡϊΡϞ ΡΊϞ-ϞΊΡ»Ϟ ϞϞ Ρ·Ρ°ϞΊϞ,ΨςϞΊϞΊΡΨ°ΡΨΨϞϞ
ΨςΨΡϊΡ°ΨϞΊΡμϞ,ϞΊΨςΨϞΊ.

ΡϭΡμΡμ Ρ»Ϟ-ΡεΡ°ϞΊϞϞϞΡεΡεΡμ Ρ·Ρ°ϞΊϞ-Ρ± ΡϭϞ-ϞΊϞ,ΡεϞ,ϞϞ ΡϭΡμΨϞεΡμ 1 ΡϭΡςΡςΡ»ϞϞ (23
ΡϭΡϭ)/ΡϊΨςΡ·Ϟ ΨΨ°Ϟ,ϞΊϞ-ϞϞ, Ϟ,ΨςΡ±Ϟ,Ψς ΡΊϞΊΡ°ΡεϞ,ΡεϞΨΨς ΠΊϞ-Ρ»ϞϞΨΨεΡμ ΠΊϞ-Ρϊ
ΨΨ°Ϟ,ϞΊϞ-ϞϞ.

Ρ"Ϟ-Ϟ,Ρε

Ρϭ ΡϊϞ-Ϟ,ΡμΡμ, ϞϞΡεϞ- ΨςϞ,ϞΊΡεΡϭΡϞϞ,ϞϞ ΨςΨΡϊΡ°ΨϞΊΡμϞ,ϞΊΨςΨς ϞΊΡ°Ρ·ΨςΡϭ Ϟ-Ρ·
ΡΨμΠΨ°Ϟ,ΨςϞ,ΨςΡεϞΊΡεϞΨΨεΡϭΡε Ϟ...Ϟ-ΡϭϞ-ΨςϞ,ΡμϞΊΡ°ΡΨμΠΊϞ,ΡεϞΨΨεΡϭΡε
ΡΊϞΊΡμΠΨ°ϞΊΡ°Ϟ,Ρ°ΡϭΡε, ΡΨςϞ,ϞΊϞ-Ρ±ΨΨς ϞΊΡμϞ,ΡμΡ»ϞϞΨΨς ϞΊϞ,ΡμΡμΡεϞ,Ρε Ρ·Ρ°
ΡϭΡςΡμΡ»ΡεΡΨΠεΡϭ ΡΨςϞϞϞϞεΡμΨΨϞϞΡϭΡε Ϟ,ϞΊΨΨεϞΊϞ-Ϟ— ΡΨμϞϞ-ΨΨεΡε.

Ρ ΡμΡμΡεΡϭ ΡϊΨςΡ·ϞΊΡΨ°ΡΨΨϞϞ

ΡμϞΊΡε ϞΊΨςΡ·ϞΊΡ°Ϟ...ϞΊΨΨεϞ ΡϊΨςΡ·Ρε Ρ·ΡΊϞ-ΡϊΨΨς Ρ· ΡϭΡ°ϞΊΨςϞ Ϟ,Ϟ-Ρ»Ρ° Ϟ-
Ρ·Ρ°ϞΊϞ,ΨςϞΊϞΊΡΨ°ΡΨΨϞ- Ϟ,ϞΊϞϞΨςϞ... ΡϊΨςΡ· Ρ· 4-ΡΨςΡϊΡεΨΨΨεΡϭ Ϟ-ΨϞ,ΡμϞΊΡΨ°Ρ»ΨςΡϭ
Ρ·Ρ°ΡΨ°Ρ»ϞϞΨΨ° ΡϊΨςΡ±ΨΨΨ° ΡϊΨςΡ·Ρ° Ρ±ϞΊΡμ ΡΨεϞ%οΨςϞ, ΨϞ-Ρμ ΡΊϞΊΡε
Ρ·Ρ°ϞΊϞ,ΨςϞΊϞΊΡΨ°ΡΨΨϞ- ΨςΡϊΨϞ-Ϟ"Ϟ— ΡϊΨςΡ·Ρε 5 ΡϭΡϭ/Ρϭ² Ϟ- ΨςΡϊΨϞ-Ϟ"Ϟ— ΡϊΨςΡ·Ρε

[illegible]

***P—PrP°C,PSC—CÍC,CH PIPiP»PëPIP°C,Pë PSP° CëPIPëPrPeC—CÍC,CH CḡPμP°PeC†C—
PïCḡPë PePμCḡCžPIP°PSPSC- P°PIC,PsC,CḡP°PSCÍPïPsCḡC,PsPj P°P±Ps C-PSCëPëPjPë
PjPμC...P°PSC-P·PjP°PjPë.*** PḡCÍPëC...PsPjPsC,PsCḡPSC- C,PμCÍC,Pë PïPsPeP°P·P°P»Pë, C%Ps
PsPSPrP°PSCÍPμC,CḡPsPS PSPμ PIPiP»PëPIP°C” PSP° P·PrP°C,PSC—CÍC,CH PePμCḡCÍPIP°C,Pë
PjPμC...P°PSC-P·PjP°PjPë C- PSPμ C†PëPSPëC,CH CÍPμPrP°C,PëPIPSPsC— PrC—C—. PḡP»Pμ
CÍP»C—Pr PICḡP°C...PsPICÍPIP°C,Pë PïCḡPsC,,C—P»CH PïPsP±C—C†PSPëC... CḡPμP°PeC†C—PN
P»C—PeP°CḡCÍCHPePsPiPs P·P°CÍPsP±C† PïCḡPë PIPëCḡC—CëPμPSPSC- PïPëC,P°PSPSCḡ
PïCḡPs PjPsPḡP»PëPIC—CÍC,CH PePμCḡCÍPIP°C,Pë P°PIC,PsC,CḡP°PSCÍPïPsCḡC,PsPj P°P±Ps
C-PSCëPëPjPë PjPμC...P°PSC-P·PjP°PjPë.

PŸPïPsCÍC-P± P·P°CÍC,PsCÍCžPIP°PSPSCḡ C,P° PrPsP·Pë.

*PkCžPrPsC,P° C- P±P»CḡPIP°PSPSCḡ, CÍPïCḡPëC†PëPSPμPSC- C...C-PjC-PsC,PμCḡP°PïC—C”Cḡ
C,P° PïCḡPsPjPμPSPμPIPSCḡ C,PμCḡP°PïC—C”Cḡ.*

P”PsCḡPsCÍP»C—.

P·PjPμC,PsPiPμPSPSPëPN PïPsC,PμPSC†C—P°P» C,PμCḡP°PïC—C— CḡP°PeC† PIP°CḡC—CḡC”
P·P°P»PμPḡPSPs PIC—Pr PrPsP·Pë C- PePsPjP±C—PSP°C†C—C— CḡPμPḡPëPjC—PI
C...C-PjC-PsC,PμCḡP°PïC—C— C,P° PïCḡPsPjPμPSPμPIPSC— C,PμCḡP°PïC—C—. P’PëP±C—Cḡ
CḡPμPḡPëPjC† PrPsP·C†PIP°PSPSCḡ P·P°P»PμPḡPëC,CH PIC—Pr C,CḡPḡPePsCÍC,C—
PμPjPμC,PsPiPμPSPSPsPiPs PIPiP»PëPIC†.

P·PjPμC,PsPiPμPSPSP° C...C-PjC-PsC,PμCḡP°PïC—Cḡ C,P° PïCḡPsPjPμPSPμPIP° C,PμCḡP°PïC—Cḡ.

P PμPePsPjPμPSPrPsPIP°PSP° PIPSC†C,CḡC—CëPSCḡPsPiPμPSPSP° P°P±Ps
PIPSC†C,CḡC—CëPSCḡPsPjḡḡ™ CḡP·PsPIP° PrPsP·P° PsPSPrP°PSCÍPμC,CḡPsPSC† ḡḡ” 8 PjPi C†
PIPëPiP»CḡPrC- PïPsPIC—P»CHPSPsC— PIPSC†C,CḡC—CëPSCḡPsPiPμPSPSPsC—
C—PSḡḡ™ C”PeC†C—C— PIPïCḡPsPrPsPIPḡ PSPμ PjPμPSCëPμ PSC—Pḡ 30 CÍPμPeC†PSPr P°P±Ps
PIPSC†C,CḡC—CëPSCḡPsPjḡḡ™ CḡP·PsPIPSC— C—PSḡḡ™ C”PeC†C—C—
P±PμP·PïPsCÍPμCḡPμPrPSCḡPs PïPμCḡPμPr P»C—PeC†PIP°PSPSCḡPj.

P”P»Cḡ PïCḡPsC,,C—P»P°PeC,PëPePë PIC—PrCÍC,CḡPsC†PμPSPsPiPs P°P±Ps C,CḡPëPIP°P»PsPiPs
P±P»CḡPIP°PSPSCḡ PïC—CÍP»Cḡ PïPμCḡCëPëC... 24 PïPsPrPëPS
CḡPμPePsPjPμPSPrC†C”C,CHCÍCḡ PïPμCḡPsCḡP°P»CHPSPμ P°P±Ps CḡPμPeC,P°P»CHPSPμ
P·P°CÍC,PsCÍC†PIP°PSPSCḡ PïCḡPμPïP°CḡP°C,C†.

*P’PëCÍPsPePsPμPjPμC,PsPiPμPSPSP° C...C-PjC-PsC,PμCḡP°PïC—Cḡ (PSP°PïCḡPëPeP»P°Pr
PIPëCÍPsPeC- PrPsP·Pë C†PëCÍPïP»P°C,PëPSCž).*

PḡCÍPμC,CḡPsPS^B PjPsPḡPSP° PïCḡPëP·PSP°C†P°C,Pë C† PIPëPiP»CḡPrC—
PsPrPSPsCḡP°P·PsPiPsC— PrPsP·Pë 8 PjPi, PIPSC†C,CḡC—CëPSCḡPsPiPμPSPSPs P°P±Ps
PIPSC†C,CḡC—CëPSCḡPsPjḡḡ™ CḡP·PsPiPs P±PμP·PïPsCÍPμCḡPμPrPSCḡPs PïPμCḡPμPr
C...C-PjC-PsC,PμCḡP°PïC—C”Cḡ.

P”P»Cḡ PIPëCÍPsPePsPμPjPμC,PsPiPμPSPSPsC— C...C-PjC-PsC,PμCḡP°PïC—C— 8 PjPi
PsPSPrP°PSCÍPμC,CḡPsPSC† P°P±Ps PjPμPSCëC† PrPsP·C† PSPμ PïPsC,CḡC—P±PSPs
CḡPsP·PiPsPrPëC,Pë C- PjPsPḡPSP° PIPiPsPrPëC,Pë CëP»CḡC...PsPj PïPsPIC—P»CHPSPsC—
PIPSC†C,CḡC—CëPSCḡPsPiPμPSPSPsC— C†Pë PIPSC†C,CḡC—CëPSCḡPsPjḡḡ™ CḡP·PsPiPsC—
C—PSḡḡ™ C”PeC†C—C— (PSPμ PjPμPSCëPμ 30 CÍPμPeC†PSPr) P±PμP·PïPsCÍPμCḡPμPrPSCḡPs
PïPμCḡPμPr C...C-PjC-PsC,PμCḡP°PïC—C”Cḡ P· PïPsPrP°P»CHCëPëPj PrPiPsCḡP°P·PsPiPëPj

PIPSCfC, C7C-C€PSCbPsPIPµPSPSPëPj C±Pë PIPSCfC, C7C-C€PSCbPsPjb7™ C¼P·PsPIPëPj
PIPIPµPrPµPSPSC¼Pj 8 PjPi C±PµC7PµP· 2 C, P° 4 PiPsPrPëPSPë P°P±Ps C€P»C¼C...PsPj
PiPsCfC, C-PNëPSPsC— C-PSC,, Cfp·C-C— 1 PjPi/PiPsPr PiC7PSc, C¼PiPsPj 24 PiPsPrPëPS.

P"PsP·Pë PiPsPSP°Pr 8 PjPi (PrPs 16 PjPi) PjPsP¶PSP° P·P°CfC, PsCfPSPICfPIP°C, Pë P»PëC€Pµ Cf
PIPëPiP»C¼PrC- PIPSCfC, C7C-C€PSCbPsPIPµPSPSPsC— C-PSC,, Cfp·C-C— PSP° 50b7"100 PjP»
0,9 % C7PSP·C±PëPSCf PSP°C, C7C-C7 C...P»PsC7PëPrCf P°P±Ps C-PSC€PsPiPs
PIC-PrPiPsPIC-PrPSPsPiPs C7PSP·C±PëPSPSPëPeP° (PrPëPI. PSPëP¶C±Pµ
B«P—P°CfC, PsCfCfPIP°PSPSC¼ C7PSP·C±PëPSCf PrP»C¼ C-PSb7™ C"PeC†C-PNëB»);
C-PSC,, Cfp·C-C¼ PjP°C" C, C7PëPIP°C, Pë PSPµ PjPµPSC€Pµ 15 C...PIPëP»PëPS.

PbPrPSPsC7P°P·PsPICf PrPsP·Cf P±C-P»CHC€Cf P·P° 16 PjPi P·P°CfC, PsCfPSPICfPIP°C, Pë PSPµ
PjPsP¶PSP° (PrPëPI. C7PSP·PrC-P» B«PbCfPSP±P»PëPIPsCfC, C-
P·P°CfC, PsCfCfPIP°PSPSC¼B»).

P·C,, PµPeC, PëPIPSC-CfC, CH PsPSPPrP°PSCfPµC, C7PSPSCf PiC7Pë
PIPëCfPSPePsPµPjPµC, PsPiPµPSPSC-PNë C...C-PjC-PsC, PµC7P°PiC-C— PjPsP¶Pµ P±CfC, Pë
PiC-PrPIPëC%PµPSP° PrPsPrP°C, PePsPIPëPj PsPrPSPsC7P°P·PsPIPëPj
PIPSCfC, C7C-C€PSCbPsPIPµPSPSPëPj PIPIPµPrPµPSPSC¼Pj PrPµPeCfP°PjPµC, P°P·PsPSCf
PSP°C, C7C-C7 C,, PsCfC,, P°C, Cf Cf PrPsP·C- 20 PjPi PiPµC7PµPr
C...C-PjC-PsC, PµC7P°PiC-C"7C.

P"P»C¼ PiC7PSc,, C-P»P°PeC, PëPePë PIC-PrCfC, C7PSc±PµPSPsPiPs P°P±Ps C, C7PëPIP°P»PsPiPs
P±P»C7HIP°PSPSC¼ PiC-CfP»C¼ PiPµC7C€PëC... 24 PiPsPrPëPS
C7PµPePsPjPµPSPPrCfC"7C, CHCfC¼ PiPµC7PSc7P°P»CHbPSPµ P°P±Ps C7PµPeC, P°P»CHbPSPµ
P·P°CfC, PsCfCfPIP°PSPSC¼ PiC7PµPiP°C7P°C, Cf.

P"C-C, Pë PIC-PePsPj PIC-Pr 6 PjC-CfC¼C†C-PI PrPs 17 C7PSPeC-PI

P"PsP·Cf P»C-PeP°C7CfCHPePsPiPs P·P°CfPSP±Cf PjPsP¶PSP° C7PSP·C7P°C...CfPIP°C, Pë P·P°
PiP»PsC%PµC7 PiPsPIPµC7C...PSC- C, C-P»P° P°P±Ps PjP°CfPë C, C-P»P° PrPëC, PëPSPë.

P PsP·C7P°C...C¿PSPsPe PrPsP·Pë P·PiC-PrPSPs P· PiP»PsC%PµC7 PiPsPIPµC7C...PSC- C, C-P»P°
PrPëC, PëPSPë

PbCfPµC, C7PSPS^B CfP»C-Pr PIPIPsPrPëC, Pë P±PµP·PiPsCfPµC7PµPrPSCbPs PiPµC7PµPr
C...C-PjC-PsC, PµC7P°PiC-C"7C C€P»C¼C...PsPj C7P°P·PsPIPsC—
PIPSCfC, C7C-C€PSCbPsPIPµPSPSPsC— C-PSb7™ C"PeC†C-C— Cf PrPsP·C- 5 PjPi/Pj²,
PIPSCfC, C7C-C€PSCbPsPIPµPSPSP° PrPsP·P° PSPµ PjP°C" PiPµC7PµPIPëC%CfPIP°C, Pë 8 PjPi.
B PŞPµC7PµP· 12 PiPsPrPëPS PjPsP¶PSP° C7PSP·PiPsC±PëPSP°C, Pë PiPµC7PSc7P°P»CHbPSPµ
P·P°CfC, PsCfCfPIP°PSPSC¼ PiC7PµPiP°C7P°C, Cf, C¼PePµ PjPsP¶Pµ C, C7PëPIP°C, Pë C%Pµ 5
PrPSC-PI. PkPµ PiPµC7PµPIPëC%CfPIP°C, Pë PrPsP·Cf PrP»C¼ PrPsC7PScCfP»PëC....

P PsP·C7P°C...C¿PSPsPe PrPsP·Pë P·PiC-PrPSPs P· PjP°CfPSc7 C, C-P»P° PrPëC, PëPSPë

PbCfPµC, C7PSPS^B CfP»C-Pr PIPIPsPrPëC, Pë P±PµP·PiPsCfPµC7PµPrPSCbPs PiPµC7PµPr
C...C-PjC-PsC, PµC7P°PiC-C"7C C€P»C¼C...PsPj C7P°P·PsPIPsC—
PIPSCfC, C7C-C€PSCbPsPIPµPSPSPsC— C-PSb7™ C"PeC†C-C— Cf PrPsP·C- 0,15 PjPi/PePi.
P'PSCfC, C7C-C€PSCbPsPIPµPSPSP° PrPsP·P° PSPµ PjP°C" PiPµC7PµPIPëC%CfPIP°C, Pë 8 PjPi.
Pj PiPµC7C€PëPNë PrPµPSCb PjPsP¶PSP° PIPIPµCfC, Pë C%Pµ 2
PIPSCfC, C7C-C€PSCbPsPIPµPSPSC- PrPsP·Pë P· 4-PiPsPrPëPSPSPëPj C-PSC, PµC7PIP°P»PsPj.B
PŞPµC7PµP· 12 PiPsPrPëPS PjPsP¶PSP° C7PSP·PiPsC±PëPSP°C, Pë PiPµC7PSc7P°P»CHbPSPµ

P·P°CfC,PsCfCfPIP°PSPSCf PfcHfPµPfP°CHfP°C,Cf, CfPePµ PjPsP¶Pµ C,CHfPëPIP°C,Pë C%Pµ 5
PrPSC-PI. PkPµ PfpµCHfPµPIPëC%CrPIP°C,Pë PrPsP·Cf PrP»Cf PrPsCHfPsCfP»PëC....

PfPIPScHfC- P»C-C,PSCHfPsPiPs PIC-PeCf

PµP°CfC-C°PSC,P°Pj PIC-PePsPj PIC-Pr 65 CHfPsPeC-PI PICfC- PrPsP·Pë PrP»Cf
PIPSCfC,CHfC-CfPSCHfPsPIPµPSPSPëC... C-PSBf™ C°PeCfC-PM CfP»C-Pr CHfPsP·CfPëPSCfC,Pë
C,P° PIPfPsPrPëC,Pë PfcHfPsC,CfPiPsPj 15 C...PIPëP»PëPS, PfcHfPë PfpPsPIC,PsCHfPSPsPjCf
P·P°CfC,PsCfCfPIP°PSPSC- C-PSC,PµCHfPIP°P» PjC-P¶ C-PSBf™ C°PeCfC-CfPjPë
PfpPsPIPëPSPµPS P±CfC,Pë PSPµ PjPµPSCëPµ 4 PiPsPrPëPS.

P°P»Cf Pfp°CfC-C°PSC,C-PI PIC-PePsPj PIC-Pr 65 PrPs 74 CHfPsPeC-PI PfpScfP°C,PePsPIP°
PrPsP·P° PsPSPPrP°PSCfPµC,CHfPsPSCf CfC,P°PSPsPIPëC,CH 8 PjPi P°P±Ps 16 PjPi, C—C—
CfP»C-Pr PIPfPsPrPëC,Pë CëP»CfC...PsPj PIPSCfC,CHfC-CfPSCHfPsPIPµPSPSPsC—
C-PSC,,CfP·C-C— PfcHfPsC,CfPiPsPj 15 C...PIPëP»PëPS, CfPeCf PjPsP¶PSP°
PfcHfPsPrPsPIP¶PëC,Pë PIPfµPrPµPSPSCfPj 2 PrPsP· PfpS 8 PjPi PfcHfPsC,CfPiPsPj 15
C...PIPëP»PëPS P· C-PSC,PµCHfPIP°P»PsPj PjC-P¶ C-PSC,,CfP·C-CfPjPë PSPµ PjPµPSCëPµ 4
PiPsPrPëPS.

P°P»Cf Pfp°CfC-C°PSC,C-PI PIC-PePsPj PIC-Pr 75 CHfPsPeC-PI PfpScfP°C,PePsPIP°
PIPSCfC,CHfC-CfPSCHfPsPIPµPSPSP° PrPsP·P° PsPSPPrP°PSCfPµC,CHfPsPSCf PSPµ PjP°C°B
PfpµCHfPµPIPëC%CrPIP°C,Pë 8 PjPi P· C-PSC,,CfP·C-C°CH PIPfCHfPsPrPsPIP¶ PSPµ PjPµPSCëPµ
15 C...PIPëP»PëPS. PµC-CfP»Cf PfpScfP°C,PePsPIPSc— PrPsP·Pë Cf 8 PjPi PjPsP¶PSP°
PfcHfPsPrPsPIP¶PëC,Pë P·P°CfC,PsCfCfPIP°PSPSCf 2 PrPsP·P°PjPë PfpS 8 PjPi, CfPeC-
CfP»C-Pr PIPfPsPrPëC,Pë CëP»CfC...PsPj C-PSC,,CfP·C-C— PfcHfPsC,CfPiPsPj 15
C...PIPëP»PëPS P· C-PSC,PµCHfPIP°P»PsPj PjC-P¶ C-PSC,,CfP·C-CfPjPë PSPµ PjPµPSCëPµ 4
PiPsPrPëPS.

PµP°CfC-C°PSC,Pë P· PSPëCHfPePsPIPScH PSPµPrPsCfC,P°C,PSC-CfC,CH

PkPµPjP°C° PSPµPsP±C...C-PrPSPsCfC,C- P·PjC-PSCHfPIP°C,Pë CHfPµP¶PëPj
PrPsP·CfPIP°PSPSCf P°P±Ps CëP»CfC... PIPfµPrPµPSPSCf PfcHfPµPfP°CHfP°C,Cf
Pfp°CfC-C°PSC,P°Pj P· PfpScHfCfCëPµPSPSCfPj C,,CfPSPeCfC-C— PSPëCHfPsPe.

PµP°CfC-C°PSC,Pë P· PfpµCfC-PSPePsPIPScH PSPµPrPsCfC,P°C,PSC-CfC,CH

Pj Pfp°CfC-C°PSC,C-PI P· PfpPjC-CHfPSPëPjPë C- C,CfP¶PePëPjPë PfpScHfCfCëPµPSPSCfPjPë
C,,CfPSPeCfC-C— PfpµCfC-PSPePë PeP»C-CHfPµPSCf PsPSPPrP°PSCfPµC,CHfPsPSCf
P·PSP°CfPSPs P·PSPëP¶CfC°C,CHCfCfC, P° PfpµCHfC-PsPr PSP°Pfc-PIPIPëPIPµPrPµPSPSCf C-P·
CfPëCHfPsPIP°C,PePë PeCHfPsPIC- Bf° P·CHfPsCfC,P°C°. P°P»Cf C,P°PePëC... C...PIPScHfPëC...
PjP°PeCfPëPjP°P»CHfPSP° PrPsP±PsPIP° PrPsP·P° PfcHfPµPfP°CHfP°C,Cf PSPµ PjP°C°
PfpµCHfPµPIPëC%CrPIP°C,Pë 8 PjPi.

PµP°CfC-C°PSC,Pë P· PfpScHfCfCëPµPSPSCfPj PjPµC,P°P±PsP»C-P·PjCf
CfPfp°CHfC,PµC—PSCf/PrPµP±CHfPëCfPsPePIC-PSCf

PµPµCHfC-PsPr PSP°Pfc-PIPIPëPIPµPrPµPSPSCf PsPSPPrP°PSCfPµC,CHfPsPSCf Cf
Pfp°CfC-C°PSC,C-PI P· PfpScHfCfCëPµPSPSCfPj PjPµC,P°P±PsP»C-P·PjCf CfPfp°CHfC,PµC—PSCf
C- PrPµP±CHfPëCfPsPePIC-PSCf PSPµ P·PjC-PSCHfC°C,CHCfCfC. Pj C,P°PePëC...
Pfp°CfC-C°PSC,C-PI Pfc-CfP»Cf PfpPsPIC,PsCHfPSPsPiPs PIPfµPrPµPSPSCf
PePsPSCfPµPSC,CHfP°CfC-Cf PfcHfPµPfp°CHfP°C,Cf C,P°PeP° P¶, CfPe C- Cf C...PIPScHfPëC...
C-P· PSPµPfpScHfCfCëPµPSPëPj PjPµC,P°P±PsP»C-P·PjPsPj. PfpPsPjCf P·PjC-PSP°
PrPsP·CfPIP°PSPSCf P°P±Ps CfP°CfC,PsC,Pë PIPfµPrPµPSPSCf PSPµ PfpSc,CHfC-P±PSP°.

$$PuP^{\circ}C\uparrow C-C''PSC,P\ddot{e}P\cdot P\ddot{i}PsC\overline{H}C\acute{a}C\epsilon P\mu PSPSC\downarrow PjPjP\mu C,P^{\circ}P\pm PsP\gg C-P.PjC\acute{a}$$

СІРіР°СґС,РµС—PSCз/PrPµP±СґPёСІР°PsPePIC-PSCз

РµРµСґС-РsPr PSP°PіC-PIPIёPIРµPrPµPSPSCІ PsPSPrP°PSCІРµC,СґPsPSCр Ср
PіР°С†C-C"PSC,C-PI P· PіPsСґСрCёРµPSPSCІPj PjPµC,P°P±PsP»C-P·PjСр СІРіР°СґС,РµС—PSCр
C- PrPµP±СґPёСІР°PsPePIC-PSCр PSPµ P·PjC-PSCґC"С,СґСІСІ. Pj C,P°PePёC...
PіР°С†C-C"PSC,C-PI PіPsPIC,PsСґPSPµ PIPIРµPrPµPSPSCІ СІРіСґPёC†PёPSCІC" C,P°PeСр P¶
PePsPSC†PµPSC,СґP°С†C-Сґ PіСґPµPіР°СґP°C,Ср, C°Ps P№ Ср C...PіPsСґPёC... P·
PSPµСрCёPePsPrP¶PµPSPёPj PjPµC,P°P±PsP»C-P·PjPsPj. PŷPsPjСр P·PjC-PSP°
PrPsP·СрPіР°PSPSCІ P°P±Ps C†P°СІC,PsC,Pё PIPIРµPrPµPSPSCІ PSPµ PіPsC,СґС-P±PSP°.

P—P°СІC,PsСІCзPIР°PSPSCІ СґPsP·C†PёPSCз PrP»CІ C-PSёґ™C"PeC†C-P№

P>C-PeP°СґСІСґPePёP№ P·P°СІC-P± PSPµ PjC-СІC,PёC,Сґ PePsPSCІРµСґPіР°PSC,C-PI C-
СґPsP·C†PёPS PSPµPsP±C...C-PrPSPs PİPёPePsСґPёСІC,PsPICрPіР°C,Pё PSPµPіР°P№PSPs
PіC-СІP»CІ PIC-PrPeСґPёC,C,СІ P°PjPіСрP»Pё; СґPsP·C†PёPS, C°Ps P·P°P»PёCёPёPICІCІ,
PіPsC,СґС-P±PSPs P·PSPёC°PёC,Pё.

PґPjPіСрP»Pё P· PіСґPµPіР°СґP°C,PsPj PSPµ PjPsP¶PSP° P°PIC,PsPeP»P°PICрPіР°C,Pё.

PŷСрPjC-СІPSC-СІC,Сґ P· C-PSCёPёPjPё СґС-PrPёPSP°PjPё PrP»CІ
PIPSCрC,СґС-CёPSCґPsPIРµPSPSPёC... C-PSёґ™C"PeC†C-P№

P PsP·C†PёPSPё PrP»CІ PIPSCрC,СґС-CёPSCґPsPIРµPSPSPsPіPs PIP»PёPіР°PSPSCІ
PіPsC,СґС-P±PSPs PіPsC,СрPіР°C,Pё P±PµP·PіPsСІРµСґPµPrPSCґPs PіPµСґPµPr
C-PSC,,СрP·C-C"Сґ. PµСґPsC,Pµ PICІC,P°PSPsPIP»PµPSPs, C°Ps СґPsP·C†PёPS
PsPSPrP°PSCІРµC,СґPsPSCр P·P±PµСґС-PіР°C" СІC,P°P±C-P»СґPSC-СІC,Сґ
PіСґPsC,СІPіPsPj 7 PrPSC-PI PіСґPё PeC-PjPSP°C,PSC-P№ C,PµPjPіPµСґP°C,СрСґС- (PrPs 25
B°Pŷ) PіСґPё PrPµPSPSPsPjСр СІPIC-C,P>C- P°P±Ps Pİ C...PsP»PsPrPёP»СґPSPёPeСр PіСґPё
СґPsP·C†PёPSPµPSPSC- Pİ C,P°PePёC... СІРµСґPµPrPsPIPёC°P°C...: 0,9 % СґPsP·C†PёPS
PSP°C,СґС-Сґ C...P»PsСґPёPrСр, СґPsP·C†PёPS PіP»СґPePsP·Pё 5 %, СґPsP·C†PёPS
PjP°PSC-C,PsP»Ср 10 %, СґPsP·C†PёPS P C-PSPiPµСґP°, 0,3 % СґPsP·C†PёPS PeP°P»C-Сґ
C...P»PsСґPёPrСр C- 0,9 % СґPsP·C†PёPS PSP°C,СґС-Сґ C...P»PsСґPёPrСр, 0,3 %
СґPsP·C†PёPS PeP°P»C-Сґ C...P»PsСґPёPrСр C- СґPsP·C†PёPS PіP»СґPePsP·Pё 5 %.

P'СІC,P°PSPsPIP»PµPSPs, C°Ps PsPSPrP°PSCІРµC,СґPsPS P·P±PµСґС-PіР°C"
СІC,P°P±C-P»СґPSC-СІC,Сґ C,P°PePsP¶ PіСґPё PİPёPePsСґPёСІC,P°PSPSC-
PіPsP»C-PµC,PёP»PµPSPsPIPёC... C- СІPeP»CІPSPёC... C,,P»P°PePsPSC-PI. P'СрP»Ps
PіPsPeP°P·P°PSPs, C°Ps PsPSPrP°PSCІРµC,СґPsPS, СґPsP·PIРµPrPµPSPёP№ 0,9 %
C...P»PsСґPёPrPsPj PSP°C,СґС-Сґ P°P±Ps 5 % PіP»СґPePsP·PsСґ, P·P±PµСґС-PіР°C"
СІC,P°P±C-P»СґPSC-СІC,Сґ Ср PіPsP»C-PіСґPsPіC-P»PµPSPsPIPёC... CёPіСґPёC†P°C....
P"PsPIРµPrPµPSPs C,P°PePsP¶, C°Ps СІC,P°P±C-P»СґPSC-СІC,Сґ Ср
PіPsP»C-PіСґPsPіC-P»PµPSPsPIPёC... CёPіСґPёC†P°C... P·P±PµСґС-PіР°C"С,СґСІСІ PіСґPё
СґPsP·PIРµPrPµPSPSC- PsPSPrP°PSCІРµC,СґPsPSCр C-PSCёPёPjPё
СґPµPePsPjPµPSPrPsPIР°PSPёPjPё СґPsP·C†PёPSP°PjPё.

Pj СґP°P·C- PSPµPsP±C...C-PrPSPsСІC,C- C,СґPёPіР°P»PsPіPs P·P±PµСґС-PіР°PSPSCІ
PіСґPµPіР°СґP°C,Ср СґPsP·C†PёPSPµPSPSCІ СІP»C-Pr PіСґPsPIPsPrPёC,Pё Ср
PIC-PrPіPsPIC-PrPSPёC... P°СІРµPіC,PёC†PSPёC... СрPjPsPIР°C....

PŷСрPjC-СІPSC-СІC,Сґ P· C-PSCёPёPjPё PіСґPµPіР°СґP°C,P°PjPё

PґСІРµC,СґPsPS^{B®} PjPsP¶PSP° PіСґPёP·PSP°C†P°C,Pё Ср PİPёPіP»CІPrC-

PIPSCrC,CTHC-C€PSCHbPsPIPµPSPSPsC— C-PSC,,CrP·C-C— P·C- C€PIPePrPeC-ClC,CTH
1 PjPi/PiPsPr. PSpµCTHPµP· Y-PiPsPrC-P±PSPePNē C-PSbTTMC"PeC,PsCTH CTHP°P·PsPj C-P·
PiCTHPµPiP°CTHP°C,PsPj PiCTHPē PePsPSC†PµPSC,CTHP°C†C-C— PsPSPrP°PSC†PµC,CTHPsPSCr
PIC-Pr 16 PrPs 160 PjPePi/PjP» (C,PsP±C,Ps 8 PjPi / 500 PjP» P°P±Ps 8 PjPi / 50 PjP»
PIC-PrPiPsPIC-PrPSPs) PjPsP¶PSP° PIIPsPrPēC,Pē:

- C†PēClPiP»P°C,PēPS Cr PePsPSC†PµPSC,CTHP°C†C-C— PrPs 0,48 PjPi/PjP»,
PiCTHPsC,C¶PiPsPj 1bT"8 PiPsPrPēPS;

- 5-C,,C,PsCTHCzCTHP°C†PēP» Cr PePsPSC†PµPSC,CTHP°C†C-C— PrPs 0,8 PjPi/PjP»
(PSP°PiCTHPēPeP»P°Pr B 2,4 Pi Cr 3 P» P°P±Ps 400 PjPi Cr 500 PjP») P·C- C€PIPePrPeC-ClC,CTH
PSPµ P±C-P»CHbC€Pµ 20 PjP»/PiPsPr. P'·C-P»CHbC€ PIPēClPsPeP° PePsPSC†PµPSC,CTHP°C†C-C¶
5-C,,C,PsCTHCrCTHP°C†PēP»Cr PjPsP¶Pµ ClPiCTHPēC†PēPSPēC,Pē PiCTHPµC†PēPiC-C,P°C†C-CTH
PsPSPrP°PSC†PµC,CTHPsPSCr. P PsP·C†PēPS PrP»C¶ C-PSC,,CrP·C-PNē 5-
C,,C,PsCTHCrCTHP°C†PēP»Cr PjPsP¶Pµ PjC-ClC,PēC,Pē PrPs 0,045 % C...P»PsCTHPēPrCr
PjP°PiPSC-CTH PSP° PrPsPrP°C,PsPe PrPs C-PSC€PēC... PSP°PiPsPIPSCbPIP°C†C-PI, C%Ps C"
ClCrPjC-ClPSPēPjPē;

- PeP°CTHP±PsPiP»P°C,PēPS Cr PePsPSC†PµPSC,CTHP°C†C-C— PIC-Pr 0,18 PjPi/PjP» PrPs 9,9
PjPi/PjP» (PSP°PiCTHPēPeP»P°Pr PIC-Pr 90 PjPi PI 500 PjP» PrPs 990 PjPi PI 100 PjP»)
PiCTHPsC,C¶PiPsPj 10bT"60 C...PIPēP»PēPS;

- PµC,PsPiPsP·PēPr Cr PePsPSC†PµPSC,CTHP°C†C-C— PIC-Pr 0,14 PjPi/PjP» PrPs 0,25
PjPi/PjP» (PSP°PiCTHPēPeP»P°Pr PIC-Pr 72 PjPi PI 500 PjP» PrPs 250 PjPi PI 1 P»)
PiCTHPsC,C¶PiPsPj 30bT"60 C...PIPēP»PēPS;

- C†PµC,,C,P°P·PēPrPēPj Cr PrPsP·C- PIC-Pr 250 PjPi PrPs 2 Pi, CTHPsP·PIPµPrPµPSPēPNē Cr
PIPsPrC- PrP»C¶ C-PSbTTMC"PeC†C-PNē (PSP°PiCTHPēPeP»P°Pr 2,5 PjP» PSP° 250 PjPi P°P±Ps 10
PjP» PSP° 2 Pi C†PµC,,C,P°P·PēPrPēPjCr) Cr PIPēPiP»C¶PrC-
PIPSCrC,CTHC-C€PSCHbPsPIPµPSPSPsC— P±PsP»CTHClPSPsC— C-PSbTTMC"PeC†C-C—
PiCTHPsC,C¶PiPsPj 5 C...PIPēP»PēPS;

- C†PēPeP»PsC,,PsClC,,P°PjC-Pr Cr PrPsP·C- PIC-Pr 100 PjPi PrPs 1 Pi,
CTHPsP·PIPµPrPµPSPēPNē Cr PIPsPrC- PrP»C¶ C-PSbTTMC"PeC†C-PNē (5 PjP» PSP° 100 PjPi
C†PēPeP»PsC,,PsClC,,P°PjC-PrCr), Cr PIPēPiP»C¶PrC- PIPSCrC,CTHC-C€PSCHbPsPIPµPSPSPsC—
P±PsP»CTHClPSPsC— C-PSbTTMC"PeC†C-C— PiCTHPsC,C¶PiPsPj 5 C...PIPēP»PēPS;

- PrPsPeClPsCTHCzP±C-C†PēPS Cr PrPsP·C- PIC-Pr 10 PjPi PrPs 100 PjPi,
CTHPsP·PIPµPrPµPSPēPNē Cr PIPsPrC- PrP»C¶ C-PSbTTMC"PeC†C-PNē (5 PjP» PSP° 10 PjPi
PrPsPeClPsCTHCzP±C-C†PēPSCr), Cr PIPēPiP»C¶PrC- PIPSCrC,CTHC-C€PSCHbPsPIPµPSPSPsC—
P±PsP»CTHClPSPsC— C-PSbTTMC"PeC†C-C— PiCTHPsC,C¶PiPsPj 5 C...PIPēP»PēPS;

- PrPµPeClP°PjPµC,P°P·PsPS Cr PrPsP·C- 20 PjPi, Cr PIPēPiP»C¶PrC-
PiPsPIC-P»CHbPSPsC— PIPSCrC,CTHC-C€PSCHbPsPIPµPSPSPsC— C-PSbTTMC"PeC†C-C—
PiCTHPsC,C¶PiPsPj B B B 2bT"5 C...PIPēP»PēPS (PiCTHPē PsPrPSPsC†P°ClPSPsPjCr
PIPµPrPµPSPSC- 8 PjPi P°P±Ps 16 PjPi PsPSPrP°PSC†PµC,CTHPsPSCr, CTHPsP·C†PēPSPµPSPsPiPs
CrB B B B B B 50bT"100 PjP» C-PSbTTMC"PeC†C-PNēPSPsPiPs CTHPsP·C†PēPSCr),
PiCTHPsC,C¶PiPsPj PiCTHPēP±P»PēP·PSPs 15 C...PIPēP»PēPS. PhClPeC-P»CHbPePē C†C-
PiCTHPµPiP°CTHP°C,Pē C" ClCrPjC-ClPSPēPjPē, C—C... PjPsP¶PSP° PIIPsPrPēC,Pē C†PµCTHPµP·
PsPrPSCr PeCTHP°PiPµP»CHbPSPēC†CTH, PiCTHPē C†CHbPsPjCr PI CTHPsP·C†PēPSC-
PePsPSC†PµPSC,CTHP°C†C-C— PrPµPeClP°PjPµC,P°P·PsPSCr C,,PsClC,,P°C,Cr (Cr C,,PsCTHPjC-
PSP°C,CTHC-C"PIPsC— ClPsP»C-) P±CrPrCrC,CHb ClC,P°PSPsPIPēC,Pē PIC-Pr 32 PjPePi PrPs 2,5

PjPi PI 1 PjP», P° PsPSPPrP°PSCÍPµC, CĤPsPSCÍ BĤ“ PIC-Pr 8 PjPePi PrPs 1 PjPi PI 1 PjP».

P”C-C,Pë. P—P°CÍC,PsCÍPsPICÍPIP°C,Pë PrC-C,CĬPj PIC-PePsPj PIC-Pr 6 PjC-CÍCĬC†C-PI (PíCĤPë C...C-PjC-PsC,PµCĤP°PíC-C—) C,P° PIC-PePsPj PIC-Pr 1 PjC-CÍCĬC†CĬ (PrP»CĬ PíCĤPsC,,C-P»P°PeC,PëPePë C- P»C-PeCÍPIP°PSPSCĬ PíC-CÍP»CĬPsPíPµCĤP°C†C-PN°PSPëC... PSCÍPrPsC,Pë C- P±P»CĤPIP°PSPSCĬ).

PµPµCĤPµPrPsP·CáPIP°PSPSCĬ. P”P°PSPëC... PíCĤPs PíPµCĤPµPrPsP·CÍPIP°PSPSCĬ PsPSPPrP°PSCÍPµC,CĤPsPSCÍ PSPµPrPsCÍC,P°C,PSCHPs. Pj P±C-P»CHC€PsCÍC,C- PIPëPíP°PrPeC-PI CÍPëPjPíC,PsPjPë CÍC...PsP¶C- PSP° C,C-, C%°Ps PsPíPëCÍP°PSC- CÍ PíP°C†C-C”PSC,C-PI, CĬPePëPj PíPíPsPrPëP»Pë CĤPµPePsPjPµPSPPrPsPIP°PSC- PrPsP·Pë (PrPëPI. CĤPsP·PrC-P» B«PµPsP±C-C†PSC- CĤPµP°PeC†C-C—B»).

PµPsPIC-PrPsPjP»CĬP»PsCÍCH PíCĤPs C,P°PeC- PíCĤPsCĬPIPë PíPµCĤPµPrPsP·CÍPIP°PSPSCĬ, CĬPe P·PsCĤPsPIC- CĤPsP·P»P°PrPë, P·P°PíPsCĤ C,CĬP¶PePsPíPs CÍC,CÍPíPµPSCĬ, PíC-PíPsC,PµPSP·C-CĬ, PIP°P·PsPIP°PíP°P»CHPSC- PíCĤPsCĬPIPë C-P· C,CĤP°PSP·PëC,PsCĤPSPsCĤ P°C,CĤC-PsPIPµPSC,CĤPëPeCÍP»CĬCĤPSPsCĤ P±P»PsPeP°PrPsCĤ P†P† CÍC,CÍPíPµPSCĬ. Pj PICÍC-C... PIPëPíP°PrPeP°C... C†C- CĬPIPëC%°P° PíPsPIPSC-CÍC,CĤ PjPëPSP°P»Pë.

PĤPSPPrP°PSCÍPµC,CĤPsPS PíPsPrPsPIP¶CÍC” C-PSC,PµCĤPIP°P» QT P·P°P»PµP¶PSPs PIC-Pr PrPsP·Pë. Pj PIPëPíP°PrPeCÍ PíPµCĤPµPrPsP·CÍPIP°PSPSCĬ CĤPµPePsPjPµPSPPrCÍC”C,CHCÍCĬ PíCĤPsPIPµPrPµPSPSCĬ P·PĤP”-PjPsPSC-C,PsCĤPëPSPiCÍ.

PŸPíPµC†PëC,,C-C†PSPsPíPs P°PSC,PëPrPsC,CÍ PSPµ C-CÍPSCÍC”, C,PsPjCÍ CÍ CĤP°P·C- PíPµCĤPµPrPsP·CÍPIP°PSPSCĬ PSPµPsP±C...C-PrPSPs P·P°CÍC,PsCÍPsPICÍPIP°C,Pë CÍPëPjPíC,PsPjP°C,PëC†PSCÍ C,P° PíC-PrC,CĤPëPjCÍCĤC†CÍ C,PµCĤP°PíC-CĤ.

P—P°CÍC,PsCÍCÍPIP°PSPSCĬ C-PíPµPeP°PeCÍP°PSPë PrP»CĬ P»C-PeCÍPIP°PSPSCĬ PíPµCĤPµPrPsP·CÍPIP°PSPSCĬ PsPSPPrP°CÍPµC,CĤPsPSCÍ PSPµ CĤPµPePsPjPµPSPPrCÍC”C,CHCÍCĬ, PsCÍPeC-P»CHPePë C—C— PrC-CĬ PSPµ PjPsP¶Pµ PIPëCĬPIPëC,PëCÍCĬ C†PµCĤPµP· P°PSC,PëPµPjPµC,PëC†PSPëPN° PIPíP»PëPI PíCĤPµPíP°CĤP°C,CÍ.

P”C-C,Pë: PíPsPIC-PrPsPjP»CĬP»PsCÍCĬ PíCĤPs CÍPµCĤPsC,PsPSC-PSPsPIPëPN° CÍPëPSPPrCĤPsPj CÍ PSPµPjPsPIP»CĬC, C,P° PrC-C,PµPN° PIC-PePsPj PIC-Pr 12 PjC-CÍCĬC†C-PI PrPs 2 CĤPsPeC-PI PíC-CÍP»CĬ PIPëPíP°PrPePsPíPs PíPµCĤPµPrPsP·CÍPIP°PSPSCĬ PíCĤPµPíP°CĤP°C,CÍ PrP»CĬ PíPµCĤPsCĤP°P»CHPSPsPíPs P·P°CÍC,PsCÍCÍPIP°PSPSCĬ (PrPsP·Pë PíPµCĤPµPIPëC%°CÍPIP°P»Pë CĤPµPePsPjPµPSPPrPsPIP°PSPëPN° CĤC-PIPµPSCH 4 PjPi/PePi).

PµPsP±C-C†PSC- CĤPµP°PeC†C-C—. PµPsP±C-C†PSP° PrC-CĬ PeP»P°CÍPëC,,C-PePsPIP°PSP° P·P° PsCĤPíP°PSP°PjPë C- CÍPëCÍC,PµPjP°PjPë C,P° P·P° C†P°CÍC,PsC,PsCĤ C—C— PIPëPSPëPePSPµPSPSCĬ. P—P° C†P°CÍC,PsC,PsCĤ PIPëPSPëPePSPµPSPSCĬ PíPsP±C-C†PSC- CĤPµP°PeC†C-C— CĤPsP·PíPsPrC-P»PµPSC- PSP° C,P°PeC- PeP°C,PµPíPsCĤC-C—: PrCÍP¶Pµ C†P°CÍC,Ps (≥1/10), C†P°CÍC,Ps (≥1/100 C,P° <1/10), PSPµC†P°CÍC,Ps (≥1/1000 C,P° <1/100), CĤC-PrPePs (≥1/10 000 C,P° <1/1000), PrCÍP¶Pµ CĤC-PrPePs (<1/10000).

P— P±PsPeCé C-PjCéPSPSPsC— CÍPëCÍC,PµPjPë

P C-PrPePs: C₇H₁₂P^oPeC†C-C— PiC-PiP_μC₇H₁₂C†C₇C,P»PëPIPsC†C,C- PSp_μPiP^oPN₂PSPsPiPs
C,PëPiC₇,B C-PSPePsP»Pë C,C₁₂P_μ¶PeC-, P^oP¶ PrPs P^oPSP^oC,,C-P»P^oPeC†C-C—.

P— P±PsPeCž PSp_μC₇H₁₂PIPsPIPsC— C†PëC†C,P_μPjPë

P"CrP¶P_μ C†P^oC†C,Ps: PiPsP»PsPIPsPëPN₂ P±C-P»CH.

PkP_μC†P^oC†C,Ps: C†C†PrPsPjPë, C₇H₁₂C†C...PsPIC- PiPsC₇H₁₂C†C€P_μPSPSC₁₂ (PIPeP»C₇H₁₂C†P^oC₇H₁₂C†Pë
P_μPeC†C,C₇H₁₂P^oPiC-C₇H₁₂P^oPjC-PrPSC- C₇H₁₂P^oPeC†C-C—, C,P^oPeC- C₁₂Pe
PsPeC†P»PsPiC-C₇H₁₂PSPëPN₂ PeC₇H₁₂PëP, PrPëC†C,PsPSC-C†PSC- C₇H₁₂P^oPeC†C-C— C-
PrPëC†PeC-PSP_μP·C-C₁₂ P±P_μP· C†C,C-PN₂PePëC... PeP»C-PSC-C†PSPëC...
PSP^oC†P»C-PrPeC-PI).

P C-PrPePs: P·P^oPiP^oPjPsC₇H₁₂PsC†P_μPSPSC₁₂ PiP_μC₇H₁₂PiP^oP¶PSPs PiC-Pr C†P^oC†
C€PIPePrPePsPiPs PIPSC†C,C₇H₁₂C-C€PSC₁₂PsPIP_μPSPSPsPiPs PIPIP_μPrP_μPSPSC₁₂
PiC₇H₁₂PiP^oC₇H₁₂P^oC,Cr.

P— P±PsPeCž PsC₇H₁₂PiP^oPSC-PI P·PsC₇H₁₂ž

P C-PrPePs: C†PePsC₇H₁₂PsPjPëPSC†C%oC- P·PsC₇H₁₂PsPIC- C₇H₁₂PsP·P»P^oPrPë (PiPsPjC†C,PSC-PSPSC₁₂
PI PsC†P^oC...), PiPsP»PsPIPsPëPj C†PëPSPsPj PiC-Pr C†P^oC†
PIPsC†C,C₇H₁₂C-C€PSC₁₂PsPIP_μPSPSPsPiPs PIPIP_μPrP_μPSPSC₁₂.

P"CrP¶P_μ C₇H₁₂-PrPePs: PjPëPSC†C%oP^o C†P»C-PiPsC,P^o, PiPsP»PsPIPsPëPj C†PëPSPsPj PiC-Pr
C†P^oC† PIPSC†C,C₇H₁₂C-C€PSC₁₂PsPIP_μPSPSPsPiPs P·P^oC†C,PsC†C†PIP^oPSPSC₁₂. Pj
P±C-P»CHC€PsC†C,C- PIPëPiP^oPrPeC-PI C†P»C-PiPsC,P^o PjPëPSP^oC" PiC₇H₁₂Ps,C₁₂PiPsPj 20
C...PIPeP»PëPS. P'C-P»CHC€C-C†C,CH PiP^oC†C-C"PSC,C-PI PsC,C₇H₁₂PëPjC†PIP^oP»Pë
C...C-PjC-PsC,P_μC₇H₁₂P^oPiP_μPIC,PëC†PSC- PiC₇H₁₂PiP^oC₇H₁₂P^oC,Pë, C₁₂PeC- PIPeP»C₇H₁₂C†P^oP»Pë
C†PëC†PiP»P^oC,PëPS. P_μC₇H₁₂Ps PrP_μC₁₂PeC- PIPëPiP^oPrPePë PjPëPSC†C%oPsC— C†P»C-PiPsC,Pë
PiPsPIC-PrPsPjP»C₁₂P»PsC†C₁₂ C₁₂Pe PiC₇H₁₂Ps C†P»C-PiPsC,Cr PePsC₇H₁₂C,PëPeP^oP»CHPSPsPiPs
PiPsC...PsPrP¶P_μPSPSC₁₂.

P— P±PsPeCž C†P_μC₇H₁₂C†C₁₂

PkP_μC†P^oC†C,Ps: P^oC₇H₁₂PëC,PjC-C—, P±C-P»CH Cr PiC₇H₁₂CrPrC₁₂C... (P· PrP_μPiC₇H₁₂P_μC†C-C"C₇
C†P_μPiPjP_μPSC,P^o ST P^oP±Ps P±P_μP· PSp_μC—), P±C₇H₁₂P^oPrPëPeP^oC₇H₁₂PrC-C₁₂.

P C-PrPePs: PiPsPrPsPIP¶P_μPSPSC₁₂ C-PSC,P_μC₇H₁₂PIP^oP»Cr QT, PIPeP»C₇H₁₂C†P^oC₇H₁₂C†Pë
C,C₇H₁₂P_μPjC,C-PSPSC₁₂/PjP_μC₇H₁₂P_μC...C,C-PSPSC₁₂ C€P»CrPSPsC†PeC-PI (*torsade de pointes*).

P†C€P_μPjC-C₁₂ PjC-PsPeP^oC₇H₁₂PrP^o (C†P^oC†C,PsC,P^o PSp_μPIC-PrPsPjP^o) (PrPëPI. C₇H₁₂PsP·PrC-P»
B«PhC†PsP±P»PëPIPsC†C,C- P·P^oC†C,PsC†C†PIP^oPSPSC₁₂B»).

P— P±PsPeCž C†CžPrPëPS

PšP^oC†C,Ps: PIC-PrC†C†C,C,C₁₂ C,P_μPiP»P^o P^oP±Ps PiC₇H₁₂PëPiP»PëPIC-PI.

HP_μC†P^oC†C,Ps: PiC-PiPsC,P_μPSP·C-C₁₂.

*P— P±PsPeCž PrPëC...P^oP»CHPSPsC— C†PëC†C,P_μPjPë C,P^o PsC₇H₁₂PiP^oPSC-PI PiC₇H₁₂CžPrPSPsC—
PiPsC₇H₁₂PsP¶PSPëPSPë*

HP_μC†P^oC†C,Ps: PiPëPeP^oPIPeP^o.

$P - P \pm PsPeC \acute{z} C, C\bar{H}P^{\circ}PIPSPsPiPs C, C\bar{H}P^{\circ}PeC, C\acute{z}$:

$P\bar{S}P^{\circ}C\bar{I}C, Ps: P \cdot P^{\circ}P\bar{i}PsC\bar{H}$.

$P - P \pm PsPeC \acute{z} PiP_{\mu}P\bar{i}P^{\circ}C, PsP \pm C - P \gg C - P^{\circ}C\bar{H}PSPsC - C\bar{I}P\ddot{e}C\bar{I}C, P_{\mu}PjP\ddot{e}$

$P\acute{K}P_{\mu}C \ddagger P^{\circ}C\bar{I}C, Ps: P \pm P_{\mu}P \cdot C\bar{I}P\ddot{e}PjP\bar{i}C, PsPjPSP_{\mu} P\bar{i}C - PrPIP\ddot{e}C\%_{\circ}P_{\mu}PSPSC\bar{I} P\bar{i}PsPeP^{\circ}P \cdot PSP\ddot{e}PeC - PI$
 $C,, C\bar{r}PSPeC \ddagger C - C - P\bar{i}P_{\mu}C \ddagger C - PSPeP\ddot{e}$.

$P\bar{i}C - PIP\ddot{e}P\bar{i}P^{\circ}PrPeP\ddot{e} C\bar{I}P\bar{i}PsC\bar{I}C, P_{\mu}C\bar{H}C - P\bar{i}P^{\circ}C\bar{H}C, C\bar{H}C\bar{I}C\bar{I} P\bar{i}PsP \gg PsPIPSP\ddot{e}Pj C \ddagger P\ddot{e}PSPsPj C\bar{r}$
 $C...PIPSC\bar{H}P\ddot{e}C..., C\bar{I}PeC - P \gg C - PeC\bar{r}C\bar{H}C, C\bar{H}C\bar{I}C\bar{I} C...C - PjC - PsC, P_{\mu}C\bar{H}P^{\circ}P\bar{i}P_{\mu}PIC, P\ddot{e}C \ddagger PSP\ddot{e}PjP\ddot{e}$
 $P\bar{i}C\bar{H}P_{\mu}P\bar{i}P^{\circ}C\bar{H}P^{\circ}C, P^{\circ}PjP\ddot{e}, C\%_{\circ}Ps PjC - C\bar{I}C, C\bar{I}C, C\bar{H} C \ddagger P\ddot{e}C\bar{I}P\bar{i}P \gg P^{\circ}C, P\ddot{e}PS$.

$P - P \pm PsPeC \acute{z} C\bar{e}PeC - C\bar{H}P\ddot{e} C, P^{\circ} P\bar{i}C - PrC\bar{e}PeC - C\bar{H}PSPsC - PeP \gg C - C, PePsPIP\ddot{e}PSP\ddot{e}$

$P''C\bar{r}P\bar{I}P_{\mu} C\bar{H}C - PrPePs: C, PsPeC\bar{I}P\ddot{e}C \ddagger PSC - PIP\ddot{e}C\bar{I}P\ddot{e}P\bar{i}P\ddot{e}, PI C, PsPjC\bar{r} C \ddagger P\ddot{e}C\bar{I}P \gg C -$
 $C, PsPeC\bar{I}P\ddot{e}C \ddagger PSP\ddot{e}PN_{\circ} P_{\mu}P\bar{i}C - PrP_{\mu}C\bar{H}PjP^{\circ}P \gg C\bar{H}PSP\ddot{e}PN_{\circ} PSP_{\mu}PeC\bar{H}PsP \gg C - P \cdot$.

$P - P^{\circ}P\bar{i}P^{\circ}P \gg C\bar{H}PSC - C\bar{H}PsP \cdot P \gg P^{\circ}PrP\ddot{e}$

$P\bar{S}P^{\circ}C\bar{I}C, Ps: C\bar{H}P_{\mu}P^{\circ}PeC \ddagger C - C - C\bar{r} PjC - C\bar{I}C \ddagger C - PIPSC\bar{r}C, C\bar{H}C - C\bar{e}PSC\bar{H}PsPIP_{\mu}PSPSPsPiPs$
 $PIPIP_{\mu}PrP_{\mu}PSPSC\bar{I}$.

$Pj C...PsPrC - P\bar{i}C - C\bar{I}P \gg C\bar{I}C\bar{H}P_{\mu}C''C\bar{I}C, C\bar{H}P^{\circ}C \ddagger C - PN_{\circ}PSPsPiPs C\bar{I}P\bar{i}PsC\bar{I}C, P_{\mu}C\bar{H}P_{\mu}P\bar{I}P_{\mu}PSPSC\bar{I}$
 $P\bar{i}PsPIC - PrPsPjP \gg C\bar{I}P \gg PsC\bar{I}C\bar{I} P\bar{i}C\bar{H}Ps C, P^{\circ}PeC - P\bar{i}PsP \pm C - C \ddagger PSC - C\bar{H}P_{\mu}P^{\circ}PeC \ddagger C - C -$.

$P - P \pm PsPeC \acute{z} C\bar{I}P_{\mu}C\bar{H}C \ddagger P_{\mu}PIPs - C\bar{I}C \acute{z} PrP\ddot{e}PSPSPsC - C\bar{I}P\ddot{e}C\bar{I}C, P_{\mu}PjP\ddot{e}: P \pm C - P \gg C\bar{H} C, P^{\circ}$
 $PrP\ddot{e}C\bar{I}PePsPjC,, PsC\bar{H}C, C\bar{r} P\bar{i}C\bar{H}C\bar{r}PrC\bar{I}C..., P_{\mu}PeC\bar{I}C, C\bar{H}P^{\circ}C\bar{I}P\ddot{e}C\bar{I}C, PsP \gg P\ddot{e},$
 $C, P^{\circ}C...C - PeP^{\circ}C\bar{H}PrC - C\bar{I}, PIPeP \gg C\bar{H}C \ddagger P^{\circ}C\bar{H}C \ddagger P\ddot{e} C\bar{e}P \gg C\bar{r}PSPsC \ddagger PePsPIC\bar{r} C, P^{\circ}$
 $PSP^{\circ}PrC\bar{e}P \gg C\bar{r}PSPsC \ddagger PePsPIC\bar{r} C, P^{\circ}C...C - PeP^{\circ}C\bar{H}PrC - C\bar{H}, C,, C - P \pm C\bar{H}P\ddot{e}P \gg C\bar{I}C \ddagger C - C\bar{H}$
 $P\bar{i}P_{\mu}C\bar{H}P_{\mu}PrC\bar{I}P_{\mu}C\bar{H}PrC\bar{H}, PIC - PrC \ddagger C\bar{r}C, C, C\bar{I} C\bar{I}P_{\mu}C\bar{H}C \ddagger P_{\mu}P \pm P\ddot{e}C, C, C\bar{I}, C\bar{I}P\ddot{e}PSPePsP\bar{i}P_{\mu},$
 $P \cdot PjC - PSP\ddot{e} P \cdot P_{\bar{L}}P''$.

$P P_{\mu}P^{\circ}PeC \ddagger C - C - P\bar{i}C - P\bar{i}P_{\mu}C\bar{H}C \ddagger C \acute{z} C, P \gg P\ddot{e}PIPsC\bar{I}C, C -: P^{\circ}PSP^{\circ}C,, C - P \gg P^{\circ}PeC, P\ddot{e}C \ddagger PSC -$
 $C\bar{H}P_{\mu}P^{\circ}PeC \ddagger C - C -, P^{\circ}PSP\bar{i}C - PsPSP_{\mu}PIC\bar{H}PsC, P\ddot{e}C \ddagger PSP\ddot{e}PN_{\circ} PSP^{\circ}P \pm C\bar{H}C\bar{I}Pe,$
 $P \pm C\bar{H}PsPSC...PsC\bar{I}P\bar{i}P^{\circ}P \cdot Pj, P^{\circ}PSP^{\circ}C,, C - P \gg P^{\circ}PeC, P\ddot{e}C \ddagger PSP\ddot{e}PN_{\circ} C\bar{e}PsPe, C\bar{I}PIP_{\mu}C\bar{H}P \pm C - P\bar{I},$
 $C\bar{e}PeC - C\bar{H}PSC - PIP\ddot{e}C\bar{I}P\ddot{e}P\bar{i}P\ddot{e}, PeC\bar{H}PsP\bar{i}P\ddot{e}PI_{\bar{B}}\bar{T}^{\text{TM}} C\bar{I}PSPeP^{\circ}$.

$P - P \pm PsPeC \acute{z} PSP_{\mu}C\bar{H}PIPsPIPSC - C\bar{I}P\ddot{e}C\bar{I}C, P_{\mu}PjP\ddot{e}: P\bar{i}PsC\bar{H}C\bar{r}C\bar{e}P_{\mu}PSPSC\bar{I} C...PsPrP\ddot{e},$
 $C...PsC\bar{H}P_{\mu}C\bar{I}, PjC - PsPeP \gg PsPSC\bar{r}C\bar{I}, PSP_{\mu}PIP\bar{i}P^{\circ}PjPsPIPSC - C\bar{I}C, C\bar{H}, PIC - PrC \ddagger C\bar{r}C, C, C\bar{I}$
 $P\bar{i}P_{\mu}C \ddagger C - PSPSC\bar{I}, P\bar{i}C\bar{H}PsC, C\bar{H}C\bar{r}P \cdot C - C\bar{I} C\bar{I}P \cdot P\ddot{e}PeP^{\circ}, PrP\ddot{e}P\bar{i}P \gg PsP\bar{i}C - C\bar{I},$
 $P\bar{i}P^{\circ}C\bar{H}P_{\mu}C\bar{I}C, P_{\mu}P \cdot C - C\bar{I}$.

$P - P^{\circ}P\bar{i}P^{\circ}P \gg C\bar{H}PSC - P\bar{i}PsC\bar{H}C \acute{z} C\bar{e}P_{\mu}PSPSC\bar{I} C, P^{\circ} PjC - C\bar{I}C \ddagger P_{\mu}PIC - C\bar{H}P_{\mu}P^{\circ}PeC \ddagger C - C -:$
 $P\bar{i}C - PrPIP\ddot{e}C\%_{\circ}P_{\mu}PSPSC\bar{I} C, P_{\mu}PjP\bar{i}P_{\mu}C\bar{H}P^{\circ}C, C\bar{r}C\bar{H}P\ddot{e} C, C - P \gg P^{\circ}, P \pm C - P \gg C\bar{H},$
 $P\bar{i}PsC \ddagger P_{\mu}C\bar{H}PIPsPSC - PSPSC\bar{I}, P\bar{i}P_{\mu}C \ddagger C - PSPSC\bar{I} C\bar{r} PjC - C\bar{I}C \ddagger C - PIPIP_{\mu}PrP_{\mu}PSPSC\bar{I}$.

$P \ddagger PSC\bar{e}P_{\mu}: P\bar{i}C - P\bar{i}PsPeP^{\circ}P \gg C - C''PjC - C\bar{I}$.

$P\check{y}P_{\mu}C\bar{H}PjC - PS P\bar{i}C\bar{H}P\ddot{e}PrP^{\circ}C, PSPsC\bar{I}C, C - . 3 C\bar{H}PsPeP\ddot{e}$.

PJPjPsPIPë P·P±PμCḡC-PiP°PSPSCḡ. P—P±PμCḡC-PiP°C,Pë PīCḡPë C,PμPjPīPμCḡP°C,CḡCḡC-
PSPμ PIPëC%oPμ 25 B°PŸ PI PsCḡPëPiC-PSP°P»CHḡPSC-PNë CḡPīP°PePsPIC†C- PI
PSPμPrPsCḡC,CḡPīPSPsPjCḡ PrP»Cḡ PrC-C,PμPNë PjC-CḡC†C-. PḡPμ P·P°PjPsCḡPsPḡCḡPIP°C,Pë.

PḡPμCḡCḡPjC-CḡPSC-CḡC,CHḡ. PhCḡPμC,CḡPsPS^{B®} PSPμ PjPsPḡPSP°
P·P°CḡC,PsCḡPsPICḡPIP°C,Pë PI PsPrPSPsPjCḡ CëPīCḡPëC†C- P°P±Ps C-PSC,,CḡP·C-PNëPSPsPjCḡ
CḡPsP·C†PëPSC- CḡP°P·PsPj P· C-PSCëPëPjPë P»C-PeP°CḡCḡCHḡPePëPjPë P·P°CḡPsP±P°PjPë.
PhCḡPμC,CḡPsPS^{B®} Cḡ C,,PsCḡPjC- C-PSBḡ[™] C”PeC†C-PNë PjPsPḡPSP° PīPsC”PrPSCḡPIP°C,Pë
P»PëCëPμ P· CḡPμPePsPjPμPSPPrPsPIP°PSPëPjPë CḡPsP·C†PëPSP°PjPë PrP»Cḡ C-PSC,,CḡP·C-PNë
(PrPëPI. CḡPsP·PrC-P» B«PŸPīPsCḡC-P± P·P°CḡC,PsCḡCḡPIP°PSPSCḡ C,P° PrPsP·PëB»).

PJPīP°PePsPIPëP°. PμPs 2 PjP» (4 PjPi) P°P±Ps 4 PjP» (8 PjPi) PI P°PjPīCḡP»C-, PīPs 5 P°PjPīCḡP»
Cḡ P±P»C-CḡC,PμCḡC-, PīPs 1 P±P»C-CḡC,PμCḡCḡ PI PeP°CḡC,PsPSPSC-PNë PePsCḡPsP±C†C-.

PḡP°C,PμPiPsCḡC-Cḡ PIC-PrPīCḡCḡPeCḡ. P—P° CḡPμC†PμPīC,PsPj.

P’PëCḡPsP±PSPëPe. P”-Cḡ P PμPrPrC-Bḡ[™] Cḡ P>P°P±PsCḡP°C,PsCḡC-Cḡ P>C-PjC-C,PμPr

**PḡC-CḡC†PμP·PSP°C...PsPrPḡPμPSPSCḡ PIPëCḡPsP±PSPëPeP° C,P° PNëPsPiPs
P°PrCḡPμCḡP° PjC-CḡC†Cḡ PīCḡPsPIP°PrPḡPμPSPSCḡ PrC-CḡP»CHḡPSPsCḡC,C-.**

P’PëCḡPsP±PSPëC†P° PrC-P»CHḡPSPëC†Cḡ - VI Cḡ. PḡC...PsP», PḡP°P»P°PiP°Cḡ CḡPsP°Pr,
P’P°PrPrC-, PsPeCḡCḡPi PŸPsP»P°PS, PḡC-PjP°C†P°P» PμCḡP°PrPμCë, 173205, P†PSPPrC-Cḡ

PμPsPIC-PrPsPjPëC,Pë PīCḡPs PīPsP±C-C†PSCḡ CḡPμP°PeC†C-Cḡ P°P±Ps
PIC-PrCḡCḡC,PSC-CḡC,CHḡ PμC,,PμPeC,PëPIPSsCḡC,C- PīCḡPë P·P°CḡC,PsCḡCḡPIP°PSPSC-
P»C-PeP°CḡCḡCHḡPePsPiPs P·P°CḡPsP±Cḡ PjPsPḡPSP° P·P° C,PμP»PμC,,PsPSP°PjPë:

380 44 207 51 97 P°P±Ps 380 50 414 39 39; P° C,P°PePsPḡ PSP° PμP»PμPeC,CḡPsPSPSCḡ
P°PrCḡPμCḡCḡ: DrugSafetyUa@drreddys.com (C†C-P»PsPrPsP±PsPIPs).