

PГC-PjC-PsC, PμCГP°PіC-CЦ C, P° PіCГPsPjPμPSPμPIP° C, PμCГP°PіC-CЦ CГPіCГPёCЦCГC, CГ
 PIPёPIC-P»CГPSPμPSPSCГ 5PкPӱ (CГPμCГPsC, PsPSC-PSCr) P·
 PμPSC, PμCГPsC...CГPsPjP°C„C-PSPSPёC... PeP»C-C, PёPS C, PsPSPePsC— PePёCёPePё C, P°
 PіCГPsPIPsPeCГCГC, CГ P±P»CГPIPsC, PSPёPNё CГPμC„P»PμPeCГ CёP»CЦC...PsPj
 CГC, PёPjCГP»CГPIP°PSPSCЦ 5-HT₃-CГPμC†PμPіC, PsCГC-PI P°C„PμCГPμPSC, PSPёC...
 PIPsP»PsPePsPS. PhPSPrP°PSCГPμC, CГPsPS P±P»PsPeCГC” CГPsP·PIPёC, PsPe C†PёC...
 CГPμC„P»PμPeCГC-PI C, P° PjPsP¶Pμ PrPsPrP°C, PePsPIPs PIPіP»PёPIP°C, Pё PSP° 5-HT₃-
 CГPμC†PμPіC, PsCГPё C†PμPSC, CГP°P»CГPSPsC— PSPμCГPIPsPIPsC— CГPёCГC, PμPjPё
 CёP»CЦC...PsPj PIPіP»PёPICr PSP° PIP°PіCГCГPSC- P·PsPSPё *area postrema*. PӱP°PePёPj
 C†PёPSPsPj, PіCГPё C†PёC, PsC, PsPeCГPёC±PSC-PNё C...C-PjC-PsC, PμCГP°PіC-C— C, P°

PhPSPPrP°PSCrPµC,ChPsPS PSPµ PiChPëCrPePsChChC" C- PSPµ PiP°P»ChPjCrC" PjPµC,P°P±PsP»C-P·Pj C-PSCëPëC... PiChPµPiP°ChP°C,C-PI PiChPë PsPrPSPSc±P°CrPSPsPjCr P·PSPëPj P·P°CrC,PScCrP°PSPSC-. PÿPiPµC†C-P°P»ChPSC- PrPsCrP»C-PrP¶PuPSPSC¶

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-ΨΨεΡε: 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°ΠΐCΉΡεΡεΡ»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-CΉΡμΨΣΓΐ 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°ΠΐCΉΡεΡεΡ»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°ΠΐCΉΡεΡεΡ»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'CÍ 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, CÍPeC- P»C-PeCÍ'CH₂C,CH₂CÍ'CÍ 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'CÍ C- PN₂PsPiPs
PePsPSC‡P_μPSC,CH₂P°C‡C-CÍ Cr PeCH₂PsPIC- P·PjP_μPSC€CÍ'C",CH₂CÍ'CÍ.

PÿCH₂P°PjP°PrPsP»

P—P° PrP°PSPëPjPë PrP_μCÍPePëC... 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· PiCH₂PsCÍPIP°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'CÍ
CH₂P_μP°PeC‡C-C— PiC-PiP_μCH₂C‡CÍ'C,P»PëPIPsCÍ'C,C-.

P P_μP°PeC‡C-C—, PiPsPiB₇[™] CÍP·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°PiCÍ',
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»CÍPjP°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,CH PrP»CÍ P»C-PeCÍ'PIP°PSPSCÍ PiP°C‡C-C''PSC,C-PI, CÍPeC-
PjP°CH₂C,CH₂ P°P±Ps Cr CÍPePëC... PjPsP¶P_μ CH₂PsP·PiPëPSCr'C,PëCÍ'CÍ 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,CH, P±CH₂P°PrC-P°CH₂PëC,PjC-CÍPjPë C- PiP°C‡C-C''PSC,C-PI,
CÍPeC- P»C-PeCÍ'CH₂C,CH₂CÍ'CÍ 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,ΡεΨςΠϭ Π·Π°ϞΊϞ,ΨςϞΊϞΊΠΐ°ΠΨΨϞϞ ϞΊΨ»Ϟ-ΠΊ ϞΊΡεΨςϞΊΠμΠΊϞΊΠΐ°Ϟ,Ρε
ΠΊϞ-ΠΐΨςΡεΠ°Π»Ϟ-ϞΊΠϭ-ϞΊ Ϟ,Π° ΠΊϞ-ΠΐΨςΠϭΠ°ΠΐΨϞ-ϞΊΠϭ-ϞΊ.

ΠμΨςΠΊϞ-ΠΊΨςΠϭ»ϞΊΠ»ΨςϞΊϞ ΠΊϞΊΨς ΠΐΠεΠΐ°ΠΊΡεΠε Π-ϞεΠμΠϭ-Ϟ— Πϭ-ΨςΡεΠ°ϞΊΠΊϞΊ ϞΊ
Πΐ°ϞΊϞ-ϞΊΨϞ,Ϟ-ΠΊ, ϞΊΠεϞ- ΨςϞ,ϞΊΠεΠϭΊϞΊΠΐ°Π»Πε ΨςΨΨΊΨ°ΨϞΊΨμϞ,ϞΊΨςΨς. Πϭ
ΠΊΨμϞΊΠεΠεϞ... Πΐ°ϞΊϞ-ϞΊΨϞ,Ϟ-ΠΊ, ΨςϞΊΨςΠ±Π»ΠεΠΐΨς ϞΊ ϞΊΠ°Π·Ϟ-
ΠΐΨϞϞϞ,ϞΊϞ-ϞεΠϞϞΨςΠΐΠμΨΨΨΨςΠΐΨς ΠΐΠΐΠμΠΊΨμΨΨϞϞ, ϞΊΠεΠϭΊϞ,ΨςΠϭΠε
Π·ϞΊ™ ϞΊΠΐΠεΠ»ΠεϞΊϞ ΠςΠΊϞΊΠ°Π·ϞΊ ΠΊϞ-ϞΊΨ»Ϟ ΠΐΠμΠΊΨμΨΨϞϞ
ΨςΨΨΊΨ°ΨϞΊΨμϞ,ϞΊΨςΨϞΊ. ΠμΠ°ϞΊϞ-ϞΊΨϞ,Ϟ-ΠΊ ϞΊΨ»Ϟ-ΠΊ ΠΐΨςΠΐΠμϞΊΠμΠΊΡεΠ,Ρε ΠΊϞΊΨς
ΨςΠ·ΨΨ°ΡεΠε Ϟ,Π° ϞΊΠεΠϭΊϞ,ΨςΠϭΠε Ϟ-ϞεΠμΠϭ-Ϟ— Πϭ-ΨςΡεΠ°ϞΊΠΊϞ.

ΠμϞ-ϞΊΨ»Ϟ ΠςΠΊΨΨςϞΊΨ°ϞΊΨΨςΠΐΨς Π·Π°ϞΊϞ,ΨςϞΊϞΊΠΐ°ΠΨΨϞϞ
ΨςΨΨΊΨ°ΨϞΊΨμϞ,ϞΊΨςΨϞΊ Ϟ,Π° Ϟ-ΨϞεΠεϞ... ϞΊΨμϞΊΨςϞ,ΨςΨϞ-ΨΨμϞΊΠΊϞ-ϞΊΨΨεϞ...
ΠΊϞΊΠμΠΐ°ϞΊΠ°Ϟ,Ϟ-ΠΊ Π±ϞΊΠΐ ΨςΠΐΠεϞΊΨ°ΠΨΠεΠμ ϞΊΨμϞΊΨςϞ,ΨςΨϞ-ΨΨςΠΐΠεΠμ
ϞΊΠεΠΨΊϞΊΨςΠϭ (ΠΊΡεΠΐ. ϞΊΨςΠ·ΠΊϞ-Π» Β«ΠΊ·Π°ϞΊΨςΠΊϞ-ϞΊ Π· Ϟ-ΨϞεΠεΠϭΠε
Π»Ϟ-ΡεΠ°ϞΊϞΊϞΨεΠεΠϭΠε Π·Π°ϞΊΨςΠ±Π°Πϭ Ϟ,Π° Ϟ-ΨϞεϞϞ- ΠΐΠεΠΊΡε Πΐ·Π°ϞΊΨςΠΊϞ-ΠμΒ»).

ΠΐΠεϞ%Πς ΨςΠΊΨΨςϞΊΨ°ϞΊΨΨμ Π»Ϟ-ΡεϞΊΨΐ°ΠΨΨϞϞ ΨςΨΨΊΨ°ΨϞΊΨμϞ,ϞΊΨςΨΨςΠϭ Ϟ-
Ϟ-ΨϞεΠεΠϭΠε ϞΊΨμϞΊΨςϞ,ΨςΨϞ-ΨΨμϞΊΠΊϞ-ϞΊΨΨεΠϭ ΠΊϞΊΠμΠΐ°ϞΊΠ°Ϟ,Π°ΠϭΠε
ΡεΠ»Ϟ-ΨϞ-ϞΊΨΨς ΨςΠ±ΠΊϞΊΨϞ,ΨςΠΐ°ΠΨς, ϞΊΠμΠεΨςΠϭΠμΨΊϞΊϞ,ϞϞϞΊϞ
ΠΊϞ-ΠΊΨςΠΊϞ-ΠΊΨΨμ ϞΊΠΐΨςϞΊϞ,ΠμϞΊΠμΠμΠμΨΨϞϞ Π·Π° Πΐ°ϞΊϞ-ϞΊΨϞ,ΨςΠϭ.

ΠϞϞΊΡεϞ-Π»ϞΨεΠεΠε ΨςΨΨΊΨ°ΨϞΊΨμϞ,ϞΊΨςΨς ΠΐΨςϞΊΨ»Π°Π±Π»ϞϞ
ΠΐΠμϞΊΠεϞΊϞ,Π°Π»ϞϞϞ,ΡεΠεϞΊ ΡεΠεϞεΠμϞΊΨΨεΠεϞΊ, ΠΐΨςϞ,ϞΊϞ-Π±ΨΨεΠμ
ϞΊΠμϞ,ΠμΠ»ϞϞΨΨεΠμ ΨΨ°ΠΐΠ»ϞΊΠΊ Π·Π° Πΐ°ϞΊϞ-ϞΊΨϞ,Π°ΠϭΠε Π· ΨςΠ·ΨΨ°ΡεΠ°ΠϭΠε
ΠΊϞ-ΠΊΠΐΨςϞΊϞ,ϞΊΨςϞ— ΨΨμΠΊϞΊΨςϞ...Ϟ-ΠΊΨΨςϞΊϞ,Ϟ- ΡεΠεϞεΠμϞΊΨΨεΠεϞΊ ΠΊϞ-ΠΊ ϞΊΨ°ϞΊ
Π·Π°ϞΊϞ,ΨςϞΊϞΊΠΐ°ΠΨΨϞϞ Π»Ϟ-ΡεΠ°ϞΊϞΊϞΨεΠεΠςΠΐΨς Π·Π°ϞΊΨςΠ±ϞΊ ΠϞϞΊΨμϞ,ϞΊΨςΨς^Β.

Πϭ Πΐ°ϞΊϞ-ϞΊΨϞ,Ϟ-ΠΊ, ϞΊΠεΠεΠϭ ΠΊϞΊΨςΠΐΨςΠΊΡεΠ,ϞϞϞΊϞ Ϟ...Ϟ-ϞΊϞΊϞΊΠΊϞ-ϞΊΨΨμ
ΠΊϞ,ϞΊϞΊϞΊΨ°ΠΨΨϞϞ Πΐ Π°ΠΊΨμΨΨςϞ,ΨςΨΨ·ΠεΠ»ϞΊϞΊΨϞ-Πμ ΠΊϞ-Π»ϞΊΨϞΊϞ-,
Π·Π°ϞΊϞ,ΨςϞΊϞΊΠΐ°ΠΨΨϞϞ ΨςΨΨΊΨ°ΨϞΊΨμϞ,ϞΊΨςΨϞΊ ΠΊΨ»Ϟ ΠΊϞΊΨςϞ,Ϟ-Π»Π°ΡεϞ,ΡεΠεΠε
ΨϞΊΊΨςϞ,Ρε Ϟ,Π° Π±Π»ϞϞΠΐ°ΠΨΨϞϞ ΠϭΨςΠμ ΠϭΠ°ϞΊΡεϞΊΠΐ°Ϟ,Ρε ΠΐΠεΨΨεΠεΨμΨΨϞϞ
ΡεϞΊΨςΠΐΨςϞ,ΠμϞϞ- ΠϭΨςΠϭ Ϟ,Π°ΡεϞ- Ϟ...ΠΐΨςϞΊϞ- ΠΊϞ-ΠΊΨ»ϞΊΠΐ°ϞϞ,ϞϞ
ϞΊΠμϞ,ΠμΠ»ϞϞΨΨςΠϭΊ ΨΨ°ΠΐΠ»ϞΊΠΊ ϞΊϞ-ϞΊΨ»Ϟ Π·Π°ϞΊϞ,ΨςϞΊϞΊΠΐ°ΠΨΨϞϞ
ΨςΨΨΊΨ°ΨϞΊΨμϞ,ϞΊΨςΨϞΊ.

ΠΐΠμΠμ Π»Ϟ-ΡεΠ°ϞΊϞΊϞΨεΠεΠμ Π·Π°ϞΊϞ-Π± Πϭ-ϞΊϞ,ΡεϞ,ϞϞ ΠϭΠμΨϞεΠμ 1 ΠϭΠςΠ»ϞϞ (23
ΠϭΠΐ)/ΠΊΨςΠ·ϞΊ ΨΨ°Ϟ,ϞΊϞ-ϞϞ, Ϟ,ΨςΠ±Ϟ,Ψς ΠΊϞΊΠ°ΡεϞ,ΡεϞΊΨΨς ΠΊϞ-Π»ϞϞΨΨεΠμ ΠΊϞ-ΠΊ
ΨΨ°Ϟ,ϞΊϞ-ϞϞ.

Π°Ϟ-Ϟ,Ρε

Πϭ ΠΊϞ-Ϟ,ΠμΠμ, ϞΊΠεϞ- ΨςϞ,ϞΊΠεΠϭΊϞϞ,ϞϞ ΨςΨΨΊΨ°ΨϞΊΨμϞ,ϞΊΨςΨς ϞΊΠ°Π·ΨςΠϭ Ϟ-Π·
ΠΐΠμΠΐ°Ϟ,ΨςϞ,ΨςΡεϞΊΡεϞΊΨΨεΠϭ Ϟ...Ϟ-Πϭ-ΨςϞ,ΠμϞΊΠ°ΠΐΠμΠΊϞ,ΡεϞΊΨΨεΠϭ
ΠΊϞΊΠμΠΐ°ϞΊΠ°Ϟ,Π°ΠϭΠε, ΠΐΨςϞ,ϞΊϞ-Π±ΨΨς ϞΊΠμϞ,ΠμΠ»ϞϞΨΨς ϞΊϞ,ΠμΠμΠεϞ,Ρε Π·Π°
ΠϭΨςΠμΠ»ΠεΠΐΠϭΠε ΠΐΨςϞΊϞεΠμΨΨϞϞΠϭΠε Ϟ,ϞΊΨΨεϞΊϞ-Ϟ— ΠΐΠμϞϞ-ΨΨεΠε.

Π ΠμΠμΠεΠϭ ΠΊΨςΠ·ϞΊΠΐ°ΠΨΨϞϞ

ΠμϞΊΠε ϞΊΨςΠ·ϞΊΠ°Ϟ...ϞΊΨΨεϞΊ ΠΊΨςΠ·Πε Π·ΠΊϞ-ΠΊΨΨς Π· ΠϭΠ°ϞΊΨςϞ Ϟ,Ϟ-Π»Π° Ϟ-
Π·Π°ϞΊϞ,ΨςϞΊϞΊΠΐ°ΠΨΨϞ- Ϟ,ϞΊϞΨςϞ... ΠΊΨςΠ· Π· 4-ΠΐΨςΠΊΡεΠΨΨεΠϭ Ϟ-ΨϞ,ΠμϞΊΠΐ°Π»ΨςΠϭ
Π·Π°Πΐ°Π»ϞϞΨΨ° ΠΊΨςΠ±ΨςΠΐ° ΠΊΨςΠ·Π° Π±ϞΊΠΊ ΠΐΠεϞ%ΠςϞ, ΨϞ-Πμ ΠΊϞΊΠε
Π·Π°ϞΊϞ,ΨςϞΊϞΊΠΐ°ΠΨΨϞ- ΨςΠΊΨϞ-ϞϞ— ΠΊΨςΠ·Πε 5 ΠϭΠΐ/Πϭ² Ϟ- ΨςΠΊΨϞ-ϞϞ— ΠΊΨςΠ·Πε

$$\begin{aligned} & \underline{\text{P}}\alpha\text{P}\mu\text{C}\overline{\text{H}}\text{C}, \text{P}\ddot{\text{e}}\text{P}\gg\text{C}\overline{\text{H}}\text{PSC}-\text{C}\acute{\text{I}}\text{C}, \text{C}\overline{\text{H}}. \text{P}\dagger\text{PSC}, \text{PsC}\overline{\text{H}}\text{PjP}^{\circ}\text{C}\dagger\text{C}-\text{C}\overline{\text{H}} \text{C}\%_{\text{O}}\text{PsPrPs} \text{PI}\ddot{\text{P}}\text{P}\gg\text{P}\ddot{\text{e}}\text{PICr} \\ & \text{PsPSPrP}^{\circ}\text{PSC}\acute{\text{I}}\text{P}\mu\text{C}, \text{C}\overline{\text{H}}\text{PsPSCr} \text{PSP}^{\circ} \text{C}, \text{P}\mu\text{C}\overline{\text{H}}\text{C}, \text{P}\ddot{\text{e}}\text{P}\gg\text{C}\overline{\text{H}}\text{PSC}-\text{C}\acute{\text{I}}\text{C}, \text{C}\overline{\text{H}} \text{Cr} \text{P}\gg\text{C}\overline{\text{H}}\text{PrP}\ddot{\text{e}}\text{PSP}\ddot{\text{e}} \\ & \text{PIC}-\text{PrC}\acute{\text{I}}\text{CrC}, \text{PSC}\overline{\text{H}}. \end{aligned}$$

***P—PrP°C,PSC—CÍC,CH PIPiP»PëPIP°C,Pë PSP° CëPIPëPrPeC—CÍC,CH CḡPμP°PeC†C—
PİCḡPë PePμCḡCżPIP°PSPSC- P°PIC,PsC,CḡP°PSCÍPİPsCḡC,PsPj P°P±Ps C-PSCëPëPjPë
PjPμC...P°PSC-P·PjP°PjPë.*** PıCÍPëC...PsPjPsC,PsCḡPSC- C,PμCÍC,Pë PİPsPeP°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—. PhP»Pμ
CÍP»C-Pr PICḡP°C...PsPICÍPIP°C,Pë PİCḡPsC,,C-P»CH PİPsP±C-C†PSPëC... CḡPμP°PeC†C-PNë
P»C-PeP°CḡCÍCHPePsPiPs P·P°CÍPsP±C† PİCḡPë PIPëCḡC-CëPμPSPSC- PİPëC,P°PSPSCİ
PİCḡPs PjPsP¶P»PëPIC—CÍC,CH PePμCḡCÍPIP°C,Pë P°PIC,PsC,CḡP°PSCÍPİPsCḡC,PsPj P°P±Ps
C-PSCëPëPjPë PjPμC...P°PSC-P·PjP°PjPë.

PŸPİPsCÍC-P± P·P°CÍC,PsCÍCżPIP°PSPSCİ C,P° PrPsP·Pë.

*PkCżPrPsC,P° C- P±P»CḡPIP°PSPSCİ, CÍPİCḡPëC†PëPSPμPSC- C...C-PjC-PsC,PμCḡP°PİC-C”Cḡ
C,P° PİCḡPsPjPμPSPμPIPSCḡ C,PμCḡP°PİC-C”Cḡ.*

P”PsCḡPsCÍP»C-.

P·PjPμC,PsPiPμPSPSPëPNë PİPsC,PμPSC†C-P°P» C,PμCḡP°PİC—C— CḡP°PeC† PIP°CḡC-CḡC”
P·P°P»PμP¶PSPs PIC-Pr PrPsP·Pë C- PePsPjP±C-PSP°C†C—C— CḡPμP¶PëPjC-PI
C...C-PjC-PsC,PμCḡP°PİC—C— C,P° PİCḡPsPjPμPSPμPIPSC— C,PμCḡP°PİC—C—. P’PëP±C-Cḡ
CḡPμP¶PëPjC† PrPsP·C†PIP°PSPSCİ P·P°P»PμP¶PëC,CH PIC-Pr C,CİP¶PePsCÍC,C-
PμPjPμC,PsPiPμPSPSPsPiPs PIPiP»PëPIC†.

P·PjPμC,PsPiPμPSPSP° C...C-PjC-PsC,PμCḡP°PİC-Cİ C,P° PİCḡPsPjPμPSPμPIP° C,PμCḡP°PİC-Cİ.

P PμPePsPjPμPSPrPsPIP°PSP° PIPSC†C,CḡC-CëPSCḡPsPiPμPSPSP° P°P±Ps
PIPSC†C,CḡC-CëPSCḡPsPjPḡ™ CİP·PsPIP° PrPsP·P° PsPSPrP°PSCÍPμC,CḡPsPSC† Pḡ” 8 PjPi C†
PIPëPiP»CİPPrC- PİPsPIC-P»CHPSPsC— PIPSC†C,CḡC-CëPSCḡPsPiPμPSPSPsC—
C-PSḡḡ™ C”PeC†C— PIPİCḡPsPrPsPIP¶ PSPμ PjPμPSCëPμ PSC-P¶ 30 CÍPμPeC†PSPr P°P±Ps
PIPSC†C,CḡC-CëPSCḡPsPjPḡ™ CİP·PsPIPSC— C-PSḡḡ™ C”PeC†C—
P±PμP·PİPsCÍPμCḡPμPrPSCḡPs PİPμCḡPμPr P»C-PeC†PIP°PSPSCİPj.

P”P»Cİ PİCḡPsC,,C-P»P°PeC,PëPePë PIC-PrCÍC,CḡPsC†PμPSPsPiPs P°P±Ps C,CḡPëPIP°P»PsPiPs
P±P»CḡPIP°PSPSCİ PİC—CÍP»Cİ PİPμCḡCëPëC... 24 PİPsPrPëPS
CḡPμPePsPjPμPSPrC†C”C,CHCÍCİ PİPμCḡPsCḡP°P»CHPSPμ P°P±Ps CḡPμPeC,P°P»CHPSPμ
P·P°CÍC,PsCÍC†PIP°PSPSCİ PİCḡPμPİP°CḡP°C,C†.

*P’PëCÍPsPePsPμPjPμC,PsPiPμPSPSP° C...C-PjC-PsC,PμCḡP°PİC-Cİ (PSP°PİCḡPëPeP»P°Pr
PIPëCÍPsPeC- PrPsP·Pë C†PëCÍPİP»P°C,PëPSCż).*

PhCÍPμC,CḡPsPS^B PjPsP¶PSP° PİCḡPëP·PSP°C†P°C,Pë C† PIPëPiP»CİPPrC-
PsPrPSPsCḡP°P·PsPiPsC— PrPsP·Pë 8 PjPi, PIPSC†C,CḡC-CëPSCḡPsPiPμPSPSPs P°P±Ps
PIPSC†C,CḡC-CëPSCḡPsPjPḡ™ CİP·PsPiPs P±PμP·PİPsCÍPμCḡPμPrPSCḡPs PİPμCḡPμPr
C...C-PjC-PsC,PμCḡP°PİC-C”Cḡ.

P”P»Cİ PIPëCÍPsPePsPμPjPμC,PsPiPμPSPSPsC— C...C-PjC-PsC,PμCḡP°PİC—C— 8 PjPi
PsPSPrP°PSCÍPμC,CḡPsPSC† P°P±Ps PjPμPSCëC† PrPsP·C† PSPμ PİPsC,CḡC-P±PSPs
CḡPsP·PiPsPrPëC,Pë C- PjPsP¶PSP° PIPİPsPrPëC,Pë CëP»CİC...PsPj PİPsPIC-P»CHPSPsC—
PIPSC†C,CḡC-CëPSCḡPsPiPμPSPSPsC— C†Pë PIPSC†C,CḡC-CëPSCḡPsPjPḡ™ CİP·PsPiPsC—
C-PSḡḡ™ C”PeC†C— (PSPμ PjPμPSCëPμ 30 CÍPμPeC†PSPr) P±PμP·PİPsCÍPμCḡPμPrPSCḡPs
PİPμCḡPμPr C...C-PjC-PsC,PμCḡP°PİC-C”Cḡ P· PİPsPrP°P»CHCëPëPj PrPiPsCḡP°P·PsPiPëPj

PIPSCfC,C7C-C€PSCbPsPIpμPSPSPëPj C±Pë PIPSCfC,C7C-C€PSCbPsPjb7™ CłP·PsPIpëPj
PIPIpμPrPμPSPSCłPj 8 PjPi C±PμC7PμP· 2 C,P° 4 PiPsPrPëPSPë P°P±Ps C€P»CłC...PsPj
PiPsCfC,C-PNēPSPsC— C-PSC„CfP·C-C— 1 PjPi/PiPsPr PiC7PSc,CłPiPsPj 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»CłPPrC- 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°PSPSCł C7PSP·C±PëPSCf PrP»Cł C-PSb7™C°PeC†C-PNēB»);
C-PSC„CfP·C-Cł 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°PSPSCłB»).

P·C„PμPeC,PëPIpSC-CfC,CH PsPSPPrP°PSCfPμC,C7PSPSCf PiC7Pë
PIpëCfPSPePsPμPjPμC,PsPiPμPSPSC-PNē C...C-PjC-PsC,PμC7P°PiC-C— PjPsP¶Pμ P±CfC,Pë
PiC-PrPIpëC%oPμPSP° PrPsPrP°C,PePsPIpëPj PsPrPSPsC7P°P·PsPIpëPj
PIPSCfC,C7C-C€PSCbPsPIpμPSPSPëPj PIPIpμPrPμPSPSCłPj 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”C7.

P°P»Cł PiC7PSc„C-P»P°PeC,PëPePë PIC-PrCfC,C7PSc±PμPSPsPiPs P°P±Ps C,C7PëPIP°P»PsPiPs
P±P»C7HIP°PSPSCł PiC-CfP»Cł PiPμC7C€PëC... 24 PiPsPrPëPS
C7PμPePsPjPμPSPPrCfC”C,CHCfCł PiPμC7PSc7P°P»CHbPSPμ P°P±Ps C7PμPeC,P°P»CHbPSPμ
P·P°CfC,PsCfCfPIP°PSPSCł PiC7PμPiP°C7P°C,Cf.

P°C-C,Pë PIC-PePsPj PIC-Pr 6 PjC-CfCłC†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%oPμC7 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%oPμC7 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”C7 C€P»CłC...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%oCfPIP°C,Pë 8 PjPi.
B PŞPμC7PμP· 12 PiPsPrPëPS PjPsP¶PSP° C7PSP·PiPsC±PëPSP°C,Pë PiPμC7PSc7P°P»CHbPSPμ
P·P°CfC,PsCfCfPIP°PSPSCł PiC7PμPiP°C7P°C,Cf, CłPePμ PjPsP¶Pμ C,C7PëPIP°C,Pë C%oPμ 5
PrPSC-PI. PkPμ PiPμC7PμPIpëC%oCfPIP°C,Pë PrPsP·Cf PrP»Cł 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”C7 C€P»CłC...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%oCfPIP°C,Pë 8 PjPi.
Pj PiPμC7C€PëPNē PrPμPSCb PjPsP¶PSP° PIPIpμCfC,Pë C%oPμ 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°CÍC,PsCÍCfPIP°PSPSCÍ PíCĤPµPíP°CĤP°C,Cf, CÍPePµ PjPsP¶Pµ C,CĤPëPIP°C,Pë C%Pµ 5 PrPSC-PI. PkPµ PíPµCĤPµPIPëC%CrPIP°C,Pë PrPsP·Cf PrP»CÍ PrPsCĤPsCÍP»PëC....

PIPIPsCĤC- P»C-C,PSCHbPsPiPs PIC-PeCf

PµP°C†C-C"PSC,P°Pj PIC-PePsPj PIC-Pr 65 CĤPsPeC-PI PICÍC- PrPsP·Pë PrP»CÍ PIPSCfC,CĤC-CëPSCHbPsPIPµPSPSPëC... C-PSbĤ™C"P°C†C-PM CÍP»C-Pr CĤPsP·C†PëPSCÍC,Pë C,P° PIPIPsPrPëC,Pë PíCĤPsC,CÍPiPsPj 15 C...PIPëP»PëPS, PíCĤPë PíPsPIC,PsCĤPSPsPjCf P·P°CÍC,PsCÍCfPIP°PSPSC- C-PSC,PµCĤPIP°P» PjC-P¶ C-PSbĤ™C"P°C†C-CÍPjPë PíPsPIPëPSPµPS P±CfC,Pë PSPµ PjPµPSCëPµ 4 PiPsPrPëPS.

P"P»CÍ PíP°C†C-C"PSC,C-PI PIC-PePsPj PIC-Pr 65 PrPs 74 CĤPsPeC-PI PíPsC†P°C,PePsPIP° PrPsP·P° PsPSPPrP°PSCÍPµC,CĤPsPSCf CÍC,P°PSPsPIPëC,CH 8 PjPi P°P±Ps 16 PjPi, C—C— CÍP»C-Pr PIPIPsPrPëC,Pë CëP»CÍC...PsPj PIPSCfC,CĤC-CëPSCHbPsPIPµPSPSPsC— C-PSC,,CfP·C-C— PíCĤPsC,CÍPiPsPj 15 C...PIPëP»PëPS, CÍPeCf PjPsP¶PSP° PíCĤPsPrPsPIP¶PëC,Pë PIPIPµPrPµPSPSCÍPj 2 PrPsP· PíPs 8 PjPi PíCĤPsC,CÍPiPsPj 15 C...PIPëP»PëPS P· C-PSC,PµCĤPIP°P»PsPj PjC-P¶ C-PSC,,CfP·C-CÍPjPë PSPµ PjPµPSCëPµ 4 PiPsPrPëPS.

P"P»CÍ PíP°C†C-C"PSC,C-PI PIC-PePsPj PIC-Pr 75 CĤPsPeC-PI PíPsC†P°C,PePsPIP° PIPSCfC,CĤC-CëPSCHbPsPIPµPSPSP° PrPsP·P° PsPSPPrP°PSCÍPµC,CĤPsPSCf PSPµ PjP°C"B PíPµCĤPµPIPëC%CrPIP°C,Pë 8 PjPi P· C-PSC,,CfP·C-C"CH PíPíCĤPsPrPsPIP¶ PSPµ PjPµPSCëPµ 15 C...PIPëP»PëPS. PµC-CÍP»CÍ PíPsC†P°C,PePsPIPsC— PrPsP·Pë Cf 8 PjPi PjPsP¶PSP° PíCĤPsPrPsPIP¶PëC,Pë P·P°CÍC,PsCÍCfPIP°PSPSCÍ 2 PrPsP·P°PjPë PíPs 8 PjPi, CÍPeC- CÍP»C-Pr PIPIPsPrPëC,Pë CëP»CÍC...PsPj C-PSC,,CfP·C-C— PíCĤPsC,CÍPiPsPj 15 C...PIPëP»PëPS P· C-PSC,PµCĤPIP°P»PsPj PjC-P¶ C-PSC,,CfP·C-CÍPjPë PSPµ PjPµPSCëPµ 4 PiPsPrPëPS.

PµP°C†C-C"PSC,Pë P· PSPëCĤPePsPIPsCH PSPµPrPsCÍC,P°C,PSC-CÍC,CH

PkPµPjP°C" PSPµPsP±C...C-PrPSPsCÍC,C- P·PjC-PSCHPIP°C,Pë CĤPµP¶PëPj PrPsP·CfPIP°PSPSCÍ P°P±Ps CëP»CÍC... PIPIPµPrPµPSPSCÍ PíCĤPµPíP°CĤP°C,Cf PíP°C†C-C"PSC,P°Pj P· PíPsCĤCfCëPµPSPSCÍPj C,,CfPSPeC†C-C— PSPëCĤPsPe.

PµP°C†C-C"PSC,Pë P· PíPµC†C-PSPePsPIPsCH PSPµPrPsCÍC,P°C,PSC-CÍC,CH

Pj PíP°C†C-C"PSC,C-PI P· PíPsPjC-CĤPSPëPjPë C- C,CÍP¶PePëPjPë PíPsCĤCfCëPµPSPSCÍPjPë C,,CfPSPeC†C-C— PíPµC†C-PSPePë PeP»C-CĤPµPSCÍ PsPSPPrP°PSCÍPµC,CĤPsPSCf P·PSP°C†PSPs P·PSPëP¶CfC"C,CHCÍCÍ, P° PíPµCĤC-PsPr PSP°PíC-PIPIPëPIPµPrPµPSPSCÍ C-P· CÍPëCĤPsPIP°C,PePë PeCĤPsPIC- bĤ" P·CĤPsCÍC,P°C". P"P»CÍ C,P°PePëC... C...PIPsCĤPëC... PjP°PeCÍPëPjP°P»CHbPSP° PrPsP±PsPIP° PrPsP·P° PíCĤPµPíP°CĤP°C,Cf PSPµ PjP°C" PíPµCĤPµPIPëC%CrPIP°C,Pë 8 PjPi.

PµP°C†C-C"PSC,Pë P· PíPsCĤCfCëPµPSPSCÍPj PjPµC,P°P±PsP»C-P·PjCf CÍPíP°CĤC,PµC—PSCf/PrPµP±CĤPëCÍPsPePIC-PSCf

PµPµCĤC-PsPr PSP°PíC-PIPIPëPIPµPrPµPSPSCÍ PsPSPPrP°PSCÍPµC,CĤPsPSCf Cf PíP°C†C-C"PSC,C-PI P· PíPsCĤCfCëPµPSPSCÍPj PjPµC,P°P±PsP»C-P·PjCf CÍPíP°CĤC,PµC—PSCf C- PrPµP±CĤPëCÍPsPePIC-PSCf PSPµ P·PjC-PSCH"C,CHCÍCÍ. Pj C,P°PePëC... PíP°C†C-C"PSC,C-PI PíC-CÍP»CÍ PíPsPIC,PsCĤPSPsPiPs PIPIPµPrPµPSPSCÍ PePsPSC†PµPSC,CĤP°C†C-CÍ PíCĤPµPíP°CĤP°C,Cf C,P°PeP° P¶, CÍPe C- Cf C...PIPsCĤPëC... C-P· PSPµPíPsCĤCfCëPµPSPëPj PjPµC,P°P±PsP»C-P·PjPsPj. PýPsPjCf P·PjC-PSP° PrPsP·CfPIP°PSPSCÍ P°P±Ps C†P°CÍC,PsC,Pë PIPIPµPrPµPSPSCÍ PSPµ PíPsC,CĤC-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±СґPёСІРsPePIC-PSCз

РµРµСґС-РsPr PSP°PіC-PIPIёPIРµPrPµPSPSCІ P sPSPrP°PSCІРµC,СґPsPSCr Сr
PіР°С†C-C"PSC,C-PI P· PіPsСґСrСёРµPSPSCІPj PjPµC,P°P±PsP»C-P·PjСr СІРіР°СґС,РµС—PSCr
C- PrPµP±СґPёСІРsPePIC-PSCr PSPµ P·PjC-PSCґC"С,СґСІСІ. Pj C,P°PePёC...
PіР°С†C-C"PSC,C-PI PіPsPIC,PsСґPSPµ PIPIРµPrPµPSPSCІ СІРіСґPёC†PёPSCІC" C,P°PeСr P¶
PePsPSC†PµPSC,СґP°С†C-Сґ PіСґPµPіР°СґP°C,Сr, C%Ps P№ Сr C...PIPsСґPёC... P·
PSPµСrСёPePsPrP¶PµPSPёPj PjPµC,P°P±PsP»C-P·PjPsPj. PŷPsPjСr P·PjC-PSP°
PrPsP·СrPIР°PSPSCІ P°P±Ps C†P°СІС,PsC,Pё PIPIРµPrPµPSPSCІ PSPµ PіPsC,СґС-P±PSP°.

P—P°СІС,PsСІСзPIР°PSPSCІ СґPsP·C†PёPSCз PrP»CІ C-PSёґ™C"PeС†C-P№

P>C-PeP°СґСІСґPePёP№ P·P°СІС-P± PSPµ PjC-СІС,PёC,Сґ PePsPSCІРµСґPIР°PSC,C-PI C-
СґPsP·C†PёPS PSPµPsP±C...C-PrPSPs PIPёPePsСґPёСІС,PsPICrPIР°C,Pё PSPµPіР°P№PSPs
PіC-СІР»CІ PIC-PrPeСґPёC,C,СІ P°PjPіСrP»Pё; СґPsP·C†PёPS, C%Ps P·P°P»PёCёPёPICІСІ,
PіPsC,СґС-P±PSPs P·PSPёC%PёC,Pё.

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

PŷСrPjC-СІPSC-СІС,Сґ P· C-PSCёPёPjPё СґС-PrPёPSP°PjPё PrP»CІ
PIPSCrC,СґС-CёPSCґPsPIРµPSPSPёC... C-PSёґ™C"PeС†C-P№

P PsP·C†PёPSPё PrP»CІ PIPSCrC,СґС-CёPSCґPsPIРµPSPSPsPіPs PIP»PёPIР°PSPSCІ
PіPsC,СґС-P±PSPs PіPsC,СrPIР°C,Pё P±PµP·PіPsСІРµСґPµPrPSCґPs PіPµСґPµPr
C-PSC,,СrP·C-C"Сґ. PµСґPsC,Pµ PICІС,P°PSPsPIР»PµPSPs, C%Ps СґPsP·C†PёPS
PsPSPrP°PSCІРµC,СґPsPSCr P·P±PµСґС-PіР°C" СІС,P°P±C-P»СґPSC-СІС,Сґ
PіСґPsC,СІPіPsPj 7 PrPSC-PI PіСґPё PeC-PjPSP°C,PSC-P№ C,PµPjPіPµСґP°C,СrСґС- (PrPs 25
B°Pŷ) PіСґPё PrPµPSPSPsPjСr СІPIC-C,P»C- P°P±Ps PI C...PsP»PsPrPёP»СґPSPёPeСr PіСґPё
СґPsP·C†PёPSPµPSPSC- PI C,P°PePёC... СІРµСґPµPrPsPIРёC%P°C...: 0,9 % СґPsP·C†PёPS
PSP°C,СґС-Сґ C...P»PsСґPёPrСr, СґPsP·C†PёPS PіP»СґPePsP·Pё 5 %, СґPsP·C†PёPS
PjP°PSC-C,PsP»Сr 10 %, СґPsP·C†PёPS P C-PSPiPµСґP°, 0,3 % СґPsP·C†PёPS PeP°P»C-Сґ
C...P»PsСґPёPrСr C- 0,9 % СґPsP·C†PёPS PSP°C,СґС-Сґ C...P»PsСґPёPrСr, 0,3 %
СґPsP·C†PёPS PeP°P»C-Сґ C...P»PsСґPёPrСr C- СґPsP·C†PёPS PіP»СґPePsP·Pё 5 %.

P'СІС,P°PSPsPIР»PµPSPs, C%Ps PsPSPrP°PSCІРµC,СґPsPS P·P±PµСґС-PіР°C"
СІС,P°P±C-P»СґPSC-СІС,Сґ C,P°PePsP¶ PіСґPё PIPёPePsСґPёСІС,P°PSPSC-
PіPsP»C-PµC,PёP»PµPSPsPIРёC... C- СІPeP»CІPSPёC... C,,P»P°PePsPSC-PI. P'СrP»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"
СІС,P°P±C-P»СґPSC-СІС,Сґ Сr PіPsP»C-PіСґPsPіC-P»PµPSPsPIРёC... CёPіСґPёC†P°C....
P"PsPIРµPrPµPSPs C,P°PePsP¶, C%Ps СІС,P°P±C-P»СґPSC-СІС,Сґ Сr
PіPsP»C-PіСґPsPіC-P»PµPSPsPIРёC... CёPіСґPёC†P°C... P·P±PµСґС-PіР°C"С,СґСІСІ PіСґPё
СґPsP·PIРµPrPµPSPSC- PsPSPrP°PSCІРµC,СґPsPSCr C-PSCёPёPjPё
СґPµPePsPjPµPSPrPsPIР°PSPёPjPё СґPsP·C†PёPSP°PjPё.

Pj СґP°P·C- PSPµPsP±C...C-PrPSPsСІС,C- C,СґPёPIР°P»PsPіPs P·P±PµСґС-PіР°PSPSCІ
PіСґPµPіР°СґP°C,Сr СґPsP·C†PёPSPµPSPSCІ СІР»C-Pr PіСґPsPIPsPrPёC,Pё Сr
PIC-PrPіPsPIC-PrPSPёC... P°СІРµPіC,PёC†PSPёC... СrPjPsPIР°C....

PŷСrPjC-СІPSC-СІС,Сґ P· C-PSCёPёPjPё PіСґPµPіР°СґP°C,P°PjPё

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

PIPSCrC,CTHC-C€PSCHPsPIPMSPSPsC— C-PSC,,CrP·C-C— P·C- C€PIPePrPeC-CTC,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†PēCTPiP»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-CTC,CTH
PSPμ P±C-P»CHC€Pμ 20 PjP»/PiPsPr. P'·C-P»CHC€ PIPēCTPsPeP° PePsPSC†PμPSC,CTHP°C†C-C¶
5-C,,C,PsCTHCrCTHP°C†PēP»Cr PjPsP¶Pμ CTPiCTHPēC†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-CTC,PēC,Pē PrPs 0,045 % C...P»PsCTHPēPrCr
PjP°PiPSC-CTH PSP° PrPsPrP°C,PsPe PrPs C-PSC€PēC... PSP°PiPsPIPSCHPiP°C†C-PI, C%Ps C"
CTCrPjC-CTPSPēPjPē;

- 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...PIPeP»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...PIPeP»PēPS;

- C†PμC,,C,P°P·PēPrPēPj Cr PrPsP·C- PIC-Pr 250 PjPi PrPs 2 Pi, CTHPsP·PIPMPrPμPSPePNē 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€PSCHPsPIPMSPSPsC— P±PsP»CTHCTPSPsC— C-PSbTTMC"PeC†C-C—
PiCTHPsC,C¶PiPsPj 5 C...PIPeP»PēPS;

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

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

- PrPμPeCTP°PjPμC,P°P·PsPS Cr PrPsP·C- 20 PjPi, Cr PIPēPiP»C¶PrC-
PiPsPIC-P»CHPSPsC— PIPSCrC,CTHC-C€PSCHPsPIPMSPSPsC— C-PSbTTMC"PeC†C-C—
PiCTHPsC,C¶PiPsPj B B B 2bT"5 C...PIPeP»PēPS (PiCTHPē PsPrPSPsC†P°CTPSPsPjCr
PIPIPMPrPμPSPSC- 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...PIPeP»PēPS. PhCTPeC-P»CHPePē C†C-
PiCTHPμPiP°CTHP°C,Pē C" CTCrPjC-CTPSPēPjPē, C—C... PjPsP¶PSP° PIIPsPrPēC,Pē C†PμCTHPμP·
PsPrPSCr PeCTHP°PiPμP»CHPSPēC†CTH, PiCTHPē C†CHPsPjCr PI CTHPsP·C†PēPSC-
PePsPSC†PμPSC,CTHP°C†C-C— PrPμPeCTP°PjPμC,P°P·PsPSCr C,,PsCTC,,P°C,Cr (Cr C,,PsCTHPjC-
PSP°C,CTHC-C"PIPsC— CTPsP»C-) P±CrPrCrC,CH CTc,P°PSPsPIPeC,Pē PIC-Pr 32 PjPePi PrPs 2,5

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

P”C-C,Pë. P—P°CÍC,PsCÍPsPICÍPIP°C,Pë PrC-C,CÍPj PIC-PePsPj PIC-Pr 6 PjC-CÍCÍC†C-PI (PíCḡPë C...C-PjC-PsC,PµCḡP°PíC-C—) C,P° PIC-PePsPj PIC-Pr 1 PjC-CÍCÍC†CÍ (PrP»CÍ PíCḡPsC,,C-P»P°PeC,PëPePë C- P»C-PeCÍPIP°PSPSCÍ PíC-CÍP»CÍPsPíPµCḡP°C†C-PNḡPSPëC... PSCÍPrPsC,Pë C- P±P»CḡPIP°PSPSCÍ).

PµPµCḡPµPrPsP·CáPIP°PSPSCÍ. P”P°PSPëC... PíCḡPs PíPµCḡPµPrPsP·CÍPIP°PSPSCÍ PsPSPPrP°PSCÍPµC,CḡPsPSCÍ 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, CÍPePëPj PíPíPsPrPëP»Pë CḡPµPePsPjPµPSPPrPsPIP°PSC- PrPsP·Pë (PrPëPI. CḡPsP·PrC-P» B«PµPsP±C-C†PSC- CḡPµP°PeC†C-C—B»).

PµPsPIC-PrPsPjP»CÍP»PsCÍCH PíCḡPs C,P°PeC- PíCḡPsCÍPIPë PíPµCḡPµPrPsP·CÍPIP°PSPSCÍ, CÍPe P·PsCḡPsPIC- CḡPsP·P»P°PrPë, P·P°PíPsCḡ C,CÍP¶PePsPíPs CÍC,CÍPíPµPSCÍ, PíC-PíPsC,PµPSP·C-CÍ, PIP°P·PsPIP°PíP°P»CHPSC- PíCḡPsCÍPIPë C-P· C,CḡP°PSP·PëC,PsCḡPSPsCḡ P°C,CḡC-PsPIPµPSC,CḡPëPeCÍP»CÍCḡPSPsCḡ P±P»PsPeP°PrPsCḡ P†P† CÍC,CÍPíPµPSCÍ. Pj PICÍC-C... PIPëPíP°PrPeP°C... C†C- CÍPIPëC%P° PíPsPIPSC-CÍC,Cḡ PjPëPSP°P»Pë.

PhPSPPrP°PSCÍPµC,CḡPsPS PíPsPrPsPIP¶CÍC” C-PSC,PµCḡPIP°P» QT P·P°P»PµP¶PSPs PIC-Pr PrPsP·Pë. Pj PIPëPíP°PrPeCÍ PíPµCḡPµPrPsP·CÍPIP°PSPSCÍ CḡPµPePsPjPµPSPPrCÍC”C,CHCÍCÍ PíCḡPsPIPµPrPµPSPSCÍ P·PḡP”-PjPsPSC-C,PsCḡPëPSPiCÍ.

PŸPíPµC†PëC,,C-C†PSPsPíPs P°PSC,PëPrPsC,CÍ PSPµ C-CÍPSCÍC”, C,PsPjCÍ CÍ CḡP°P·C- PíPµCḡPµPrPsP·CÍPIP°PSPSCÍ PSPµPsP±C...C-PrPSPs P·P°CÍC,PsCÍPsPICÍPIP°C,Pë CÍPëPjPíC,PsPjP°C,PëC†PSCÍ C,P° PíC-PrC,CḡPëPjCÍCḡC†CÍ C,PµCḡP°PíC-Cḡ.

P—P°CÍC,PsCÍCÍPIP°PSPSCÍ C-PíPµPeP°PeCÍP°PSPë PrP»CÍ P»C-PeCÍPIP°PSPSCÍ PíPµCḡPµPrPsP·CÍPIP°PSPSCÍ PsPSPPrP°CÍPµC,CḡPsPSCÍ PSPµ CḡPµPePsPjPµPSPPrCÍC”C,CHCÍCÍ, PsCÍPeC-P»CHPePë C—C— PrC-CÍ PSPµ PjPsP¶Pµ PIPëCÍPIPëC,PëCÍCÍ C†PµCḡPµP· P°PSC,PëPµPjPµC,PëC†PSPëPNḡ PIPíP»PëPI PíCḡPµPíP°CḡP°C,CÍ.

P”C-C,Pë: PíPsPIC-PrPsPjP»CÍP»PsCÍCÍ PíCḡPs CÍPµCḡPsC,PsPSC-PSPsPIPëPNḡ CÍPëPSPPrCḡPsPj CÍ PSPµPjPsPIP»CÍC, C,P° PrC-C,PµPNḡ PIC-PePsPj PIC-Pr 12 PjC-CÍCÍC†C-PI PrPs 2 CḡPsPeC-PI PíC-CÍP»CÍ PIPëPíP°PrPePsPíPs PíPµCḡPµPrPsP·CÍPIP°PSPSCÍ PíCḡPµPíP°CḡP°C,CÍ PrP»CÍ PíPµCḡPsCḡP°P»CHPSPsPíPs P·P°CÍC,PsCÍCÍPIP°PSPSCÍ (PrPsP·Pë PíPµCḡPµPIPëC%CÍPIP°P»Pë CḡPµPePsPjPµPSPPrPsPIP°PSPëPNḡ CḡC-PIPµPSCH 4 PjPi/PePi).

PµPsP±C-C†PSC- CḡPµP°PeC†C-C—. PµPsP±C-C†PSP° PrC-CÍ PeP»P°CÍPëC,,C-PePsPIP°PSP° P·P° PsCḡPíP°PSP°PjPë C- CÍPëCÍC,PµPjP°PjPë C,P° P·P° C†P°CÍC,PsC,PsCḡ C—C— PIPëPSPëPePSPµPSPSCÍ. P—P° C†P°CÍC,PsC,PsCḡ PIPëPSPëPePSPµPSPSCÍ PíPsP±C-C†PSC- CḡPµP°PeC†C-C— CḡPsP·PíPsPrC-P»PµPSC- PSP° C,P°PeC- PeP°C,PµPíPsCḡC-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), CḡC-PrPePs (≥1/10 000 C,P° <1/1000), PrCÍP¶Pµ CḡC-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,C₁₂P₇¶PeC-, P^oP₇ PrPs P^oPSP^oC,,C-P»P^oPeC†C-C—.

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

P^oC₇P₇¶P_μ C†P^oC†C,Ps: PiPsP»PsPIPsPëPN₂ P±C-P»CH₂.

P₇P_μC†P^oC†C,Ps: C†C₇PrPsPjPë, 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
PsPeC₇P»PsPiC-C₇H₁₂PSPëPN₂ PeC₇H₁₂PëP, PrPëC†C,PsPSC-C†PSC- C₇H₁₂P^oPeC†C-C— C-
PrPëC†C₇PeC-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^oP₇¶PSPs PiC-Pr C†P^oC†
C€PIPePrPePsPiPs PIPSC†C,C₇H₁₂C-C€PSC₇PsPIP_μPSPSPsPiPs PIPIP_μPrP_μPSPSC₁₂
PiC₇H₁₂PiP^oC₇H₁₂P^oC,C₇.

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€PSC₇PsPIP_μPSPSPsPiPs PIPIP_μPrP_μPSPSC₁₂.

P^oC₇P₇¶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€PSC₇PsPIP_μPSPSPsPiPs P·P^oC†C,PsC†C₇PIP^oPSPSC₁₂. Pj
P±C-P»CH₂C€PsC†C,C- PIPëPiP^oPrPeC-PI C†P»C-PiPsC,P^o PjPëPSP^oC^o PiC₇H₁₂Ps,C₁₂PiPsPj 20
C...PIPëP»PëPS. P^oC-P»CH₂C€C-C†C,C₇H₁₂ PiP^oC†C-C^oPSC,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,C₇ PePsC₇H₁₂C,PëPeP^oP»CH₂PSPsPiPs
PiPsC...PsPrP₇¶P_μPSPSC₁₂.

P— P±PsPeCž C†P_μC₇H₁₂C†C₁₂

P₇P_μC†P^oC†C,Ps: P^oC₇H₁₂PëC,PjC-C—, P±C-P»CH₂ C₇ PiC₇H₁₂PrC₁₂C... (P· PrP_μPiC₇H₁₂P_μC†C-C^oC₇
C†P_μPiPjP_μPSC,P^o ST P^oP±Ps P±P_μP· PSP_μC—), P±C₇H₁₂P^oPrPëPeP^oC₇H₁₂PrC-C₁₂.

P C-PrPePs: PiPsPrPsPIP₇¶P_μPSPSC₁₂ C-PSC,P_μC₇H₁₂PIP^oP»C₇ QT, PIPeP»C₇H₁₂C†P^oC₇H₁₂C†Pë
C,C₇H₁₂P_μPjC,C-PSPSC₁₂/PjP_μC₇H₁₂P_μC...C,C-PSPSC₁₂ C€P»C†PSPsC†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†C₇PIP^oPSPSC₁₂B»).

P— P±PsPeCž C†CžPrPëPS

P§P^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»CH₂PSPsC— C†PëC†C,P_μPjPë C,P^o PsC₇H₁₂PiP^oPSC-PI PiC₇H₁₂CžPrPSPsC—
PiPsC₇H₁₂PsP₇¶PSPëPSPë*

HP_μC†P^oC†C,Ps: PiPëPeP^oPIPeP^o.

P— P±PsPeCž C,CTHP°PIPSsPiPs C,CTHP°PeC,Cž:

PŠP°CÍC,Ps: P·P°PiPsCTH.

P— P±PsPeCž PiPμPiP°C,PsP±C-P»C-P°CTHPSPsC— CÍPëCÍC,PμPjPë

PḱPμC±P°CÍC,Ps: P±PμP·CÍPëPjPiC,PsPjPSPμ PiC-PrPIPëC%PμPSPSCÍ PiPsPeP°P·PSPëPeC-PI C,,CÍPSPeC†C-C— PiPμC±C-PSPePë.

P|C- PIPëPiP°PrPePë CÍPiPsCÍC,PμCTH-C-PiP°CTH,CḂCÍCÍ PiPsP»PsPIPSPëPj C±PëPSPsPj CÍ C...PIPsCTHPëC..., CÍPeC- P»C-PeCÍCTH,CḂCÍCÍ C...C-PjC-PsC,PμCTHP°PiPμPIC,PëC±PSPëPjPë PiCTHPμPiP°CTHP°C,P°PjPë, C%Ps PjC-CÍC,CÍC,CḂ C†PëCÍPiP»P°C,PëPS.

P— P±PsPeCž C€PeC-CTHPë C,P° PiC-PrC€PeC-CTHPSPsC— PeP»C-C,PePsPIPëPSPë

P"CrP¶Pμ CTH-C-PrPePs: C,PsPeCÍPëC±PSC- PIPëCÍPëPiPë, PI C,PsPjCÍ C±PëCÍP»C- C,PsPeCÍPëC±PSPëPNḡ PμPiC-PrPμCTHPjP°P»CḂPSPëPNḡ PSPμPeCTHPsP»C-P.

P—P°PiP°P»CHPSC- CTHPsP·P»P°PrPë

PŠP°CÍC,Ps: CTHPμP°PeC†C-C— CÍ PjC-CÍC†C- PIPSCÍC,CTH-C-€PSCḂPsPIPμPSPSPsPiPs PIPiPμPrPμPSPSCÍ.

PJ C...PsPrC- PiC-CÍP»CÍCTHPμC" CÍC,CTHP°C†C-PNḡPSPsPiPs CÍPiPsCÍC,PμCTHPμP¶PμPSPSCÍ PiPsPIC-PrPsPjP»CÍP»PsCÍCÍ PiCTHPs C,P°PeC- PiPsP±C-C±PSC- CTHPμP°PeC†C-C—.

P— P±PsPeCž CÍPμCTHCTPμPIPs-CÍCžPrPëPSPSPsC— CÍPëCÍC,PμPjPë: P±C-P»CḂ C,P° PrPëCÍPePsPjC,,PsCTH, CÍ PiCTHCrPrCÍC..., PμPeCÍC,CTHP°CÍPëCÍC,PsP»Pë, C,P°C...C-PeP°CTHPrC-CÍ, PIPeP»CTHCTP°CTHCTPë C€P»CÍPSPsC±PePsPICÍ C,P° PSP°PrC€P»CÍPSPsC±PePsPICÍ C,P°C...C-PeP°CTHPrC-CTH, C,,C-P±CTHPëP»CÍCTC-CTH PiPμCTHPμPrCÍPμCTHPrCḂ, PIC-PrC†CÍC,C,CÍ CÍPμCTHCTPμP±PëC,C,CÍ, CÍPëPSPePsPiPμ, P·PjC-PSPë P·PḂP".

P PμP°PeC†C-C— PiC-PiPμCTHCTCžC,P»PëPIPsCÍC,C-: P°PSP°C,,C-P»P°PeC,PëC±PSC- CTHPμP°PeC†C-C—, P°PSPiC-PsPSPμPICTHPsC,PëC±PSPëPNḡ PSP°P±CTHCÍPe, P±CTHPsPSC...PsCÍPiP°P·Pj, P°PSP°C,,C-P»P°PeC,PëC±PSPëPNḡ C€PsPe, CÍPIPμCTHP±C-P¶, C€PeC-CTHPSC- PIPëCÍPëPiPë, PeCTHPsPiPëPIḂ™ CÍPSPeP°.

P— P±PsPeCž PSPμCTHIPsPIPsC— CÍPëCÍC,PμPjPë: PiPsCTHCrC€PμPSPSCÍ C...PsPrPë, C...PsCTHPμCÍ, PjC-PsPeP»PsPSCÍCÍ, PSPμPIPiP°PjPsPIPSC-CÍC,CḂ, PIC-PrC†CÍC,C,CÍ PiPμC±C-PSPSCÍ, PiCTHPsC,CTHCrP·C-CÍ CÍP·PëPeP°, PrPëPiP»PsPiC-CÍ, PiP°CTHPμCÍC,PμP·C-CÍ.

P—P°PiP°P»CHPSC- PiPsCTHCTCžC€PμPSPSCÍ C,P° PjC-CÍCTPμPIC- CTHPμP°PeC†C-C—: PiC-PrPIPëC%PμPSPSCÍ C,PμPjPiPμCTHP°C,CÍCTHPë C,C-P»P°, P±C-P»CḂ, PiPsC±PμCTHIPsPSC-PSPSCÍ, PiPμC±C-PSPSCÍ CÍ PjC-CÍC†C- PIPiPμPrPμPSPSCÍ.

P†PSC€Pμ: PiC-PiPsPeP°P»C-C" PjC-CÍ.

PŷPμCTHPjC-PS PiCTHPëPrP°C,PSPsCÍC,C-. 3 CTHPsPePë.

PJPjPsPIPë P·P±PμCȚC-PiP°PSPSCȚ. P—P±PμCȚC-PiP°C,Pë PïCȚPë C,PμPjPïPμCȚP°C,CíCȚC-
PSPμ PIPëC%oPμ 25 B°PŸ PI PsCȚPëPiC-PSP°P»CḤPSC-PNë CíPïP°PePsPIC†C- PI
PSPμPrPsC†C,CíPïPSPsPjCí PrP»CȚ PrC-C,PμPNë PjC-C†C†C-. PkPμ P·P°PjPsCȚPsP¶CíPIP°C,Pë.

PkPμC†CȚPjC-C†PSC-C†C,CḤ. PhC†PμC,CȚPsPS^{B®} PSPμ PjPsP¶PSP°
P·P°C†C,PsC†PsPIC†PIP°C,Pë PI PsPrPSPsPjCí CëPïCȚPëC†C- P°P±Ps C-PSC,,CíP·C-PNëPSPsPjCí
CȚPsP·C†PëPSC- CȚP°P·PsPj P· C-PSCëPëPjPë P»C-PeP°CȚC†CḤPePëPjPë P·P°C†PsP±P°PjPë.
PhC†PμC,CȚPsPS^{B®} Cí C,,PsCȚPjC- C-PSBȚ[™] C”PeC†C-PNë PjPsP¶PSP° PïPsC”PrPSC†PIP°C,Pë
P»PëCëPμ P· CȚPμPePsPjPμPSPPrPsPIP°PSPëPjPë CȚPsP·C†PëPSP°PjPë PrP»CȚ C-PSC,,CíP·C-PNë
(PrPëPI. CȚPsP·PrC-P» B«PŸPïPsC†C-P± P·P°C†C,PsC†C†PIP°PSPSCȚ C,P° PrPsP·PëB»).

PJPïP°PePsPIPëP°. PμPs 2 PjP» (4 PjPi) P°P±Ps 4 PjP» (8 PjPi) PI P°PjPïC†P»C-, PïPs 5 P°PjPïC†P»
Cí P±P»C-C†C,PμCȚC-, PïPs 1 P±P»C-C†C,PμCȚCí PI PeP°CȚC,PsPSPSC-PNë PePsCȚPsP±C†C-.

PľP°C,PμPiPsCȚC-CȚ PIC-PrPïC†C†PeC†. P—P° CȚPμC†PμPïC,PsPj.

P’PëCȚPsP±PSPëPe. P”-CȚ P PμPrPrC-BȚ[™] C† P>P°P±PsCȚP°C,PsCȚC-C† P>C-PjC-C,PμPr

**PľC-C†C†PμP·PSP°C...PsPrP¶PμPSPSCȚ PIPëCȚPsP±PSPëPeP° C,P° PNëPsPiPs
P°PrCȚPμC†P° PjC-C†C†CȚ PïCȚPsPIP°PrP¶PμPSPSCȚ PrC-C†P»CḤPSPsC†C,C-.**

P’PëCȚPsP±PSPëC†P° PrC-P»CḤPSPëC†CȚ - VI C†. PľC...PsP», PkP°P»P°PiP°CȚ CȚPsP°Pr,
P’P°PrPrC-, PsPeCȚC†Pi PŸPsP»P°PS, P†C-PjP°C†P°P» PμCȚP°PrPμCë, 173205, P†PSPPrC-CȚ

PμPsPIC-PrPsPjPëC,Pë PïCȚPs PïPsP±C-C†PSC† CȚPμP°PeC†C-CȚ P°P±Ps
PIC-PrC†C†C,PSC-C†C,CḤ PμC,,PμPeC,PëPIPSPsC†C,C- PïCȚPë P·P°C†C,PsC†C†PIP°PSPSC-
P»C-PeP°CȚC†CḤPePsPiPs P·P°C†PsP±C† PjPsP¶PSP° P·P° C,PμP»PμC,,PsPSP°PjPë:

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