

PhPSPPr°PSCrPμC, C₇H₅PsPS БҖ“ CГPөP»CH₅PSPsPrC-C₇H₅C†PөPN₂
 PIPөCГPsPePsCГPμP»PμPeC, PөPIPSPөPN₂ P°PSC, P°PiPsPSC-CГC, 5-PK₃-
 (CГPμC₇H₅PsC, PsPSC-PSPsPIPөC...) C₇H₅PμC†PμPiC, PsC₇H₅C-PI. P_нPμC...P°PSC-P·Pj PrC-C—
 PsPSPPr°PSCrPμC, C₇H₅PsPSCr PөC₇H₅Pө PSCrPrPsC, C- C- P±P»C₇H₅PIP°PSPSC- PrPs PeC-PSC†C₇H₅
 PSPμ P·BTM C₇H₅CГPsPIP°PSPөPN₂. P—P°CГC, PsCГC₇H₅PIP°PSPSC₇H₅

C...C-PjC-PsC, P_μCT_μP°P_iP_μPIC, PēC±PSPēC... P·P°C₁P_sP±C-PI C, P° P_iCT_μP_sPIP_μPrP_μPSPSC₁
P_iCT_μP_sPjP_μPSP_μPIPsC— C, P_μCT_μP°P_iC-C— PjPsP₁CrC, C_H C₁P_iCT_μPēC±PēPSC₁C, Pē
PIPēPIC-P»C_HPSP_μPSPSC₁ C₁P_μCT_μP_sC, PsPSC-PSC₁ (5-PkP₃) PI C, PsPSPePsPjCr
PePēCēP_μC±PSPēPeC₁, C%₀Ps PIPēPeP»PēPeP°C” P±P»C_HPIP°P»C_HPSPēPN₂
CT_μP_μC,,P»P_μPeC₁ CēP»C₁C...PsPj P°PeC, PēPIP°C₁C-C— P·P°PeC-PSC±P_μPSCH
P°C,,P_μCT_μP_μPSC, PSPēC... PIPsP»PsPePsPS P±P»C₁PeP°C_HC±PsPiPs PSP_μCT_μPIP°
C±P_μCT_μP_μP· 5-PkP₃-CT_μP_μC₁P_μP_iC, PsCT_μPē. PhPSPPrP°PSC₁P_μC, CT_μPsPS P±P»PsPeC₁C”
C-PSC-C₁C-P°C₁C-C_H C₁CT_μPsPiPs CT_μP_μC,,P»P_μPeC₁C₁.

PhPeC, PēPIP°C₁C-C₁ P·P°PeC-PSC±P_μPSCH P°C,,P_μCT_μP_μPSC, PSPēC... PIPsP»PsPePsPS
P±P»C₁PeP°C_HC±PsPiPs PSP_μCT_μPIP° PI C₁PIPsC_H C±P_μCT_μPiC₁ PjPsP₁P_μ PIPēPeP»PēPeP°C, Pē
PIPēPePēPr 5-PkP₃ Cr P·P°PrPSCHPsPjCr P_iPsP»C- PrPSP° C±P_μC, PIP_μCT_μC, PsPiPs
CēP»C₁PSPsC±PeP° (*area postrema*) C- C₁P_μ C, P°PePsP₁ PjPsP₁P_μ C₁P_iCT_μPēC₁C, Pē
CT_μPsP·PIPēC, PeC₁ P±P»C_HPIP°P»C_HPSPsPiPs CT_μP_μC,,P»P_μPeC₁C₁ C±P_μCT_μP_μP·
C₁P_μPSC, CT_μP°P»C_HPSPēPN₂ PjP_μC...P°PSC-P·Pj. P₃P°PePēPj C±PēPSPsPj, PrC-C₁
PsPSPPrP°PSC₁P_μC, CT_μPsPSC₁ P_iCT_μPē P»C-PeC₁PIP°PSPSC- PSC₁PrPsC, Pē C-
P±P»C_HPIP°PSPSC₁, C₁P_iCT_μPēC±PēPSP_μPSPēC... C₁PēC, PsC, PsPeC₁PēC±PSPsC_H
C...C-PjC-PsC, P_μCT_μP°P_iC-C”C_H C, P° P_iCT_μP_sPjP_μPSP_μPIPsC_H C, P_μCT_μP°P_iC-C”C_H,
PN₂PjPsPIC-CT_μPSPs, P·PrC-PN₂C₁PSC_HC”C, C_HC₁C₁ P·P°PIP_rC₁PePē
P°PSC, P°PiPsPSC-C₁C, PēC±PSPsPjCr PIP_iP»PēPIC₁ PSP° 5-PkP₃-CT_μP_μC₁P_μP_iC, PsCT_μPē
PSP_μPN₂CT_μPsPSC-PI, CT_μPsP·C, P°CēPsPIP°PSPēC... C₁Pe Cr P_iP_μCT_μPēC,,P_μCT_μPēC±PSC-PN₂,
C, P°Pe C- PI C₁P_μPSC, CT_μP°P»C_HPSC-PN₂ PSP_μCT_μPIPsPIC-PN₂ C₁PēC₁C, P_μPjC-.

P_HP_μC...P°PSC-P·PjPē PrC-C— P»C-PeP°C_HC₁CT_μCHPePsPiPs P·P°C₁P_sP±C₁ C%₀PsPrPs
C₁C₁C₁PSP_μPSPSC₁ P_iC-C₁P»C₁PsP_iP_μCT_μP°C₁C-PN₂PSPēC... PSC₁PrPsC, Pē C-
P±P»C_HPIP°PSPSC₁ PSP_μ P·CT_μ™ C₁C₁C₁P_sPIP°PSC-, PN₂PjPsPIC-CT_μPSPs, PIPsPSPē
P°PSP°P»PsPiC-C±PSC- C, P°PePēPj C₁Pe P_iCT_μPē C₁PēC, PsC, PsPeC₁PēC±PSPēC...
PSC₁PrPsC, C- C- P±P»C_HPIP°PSPSC-.

PhPSPPrP°PSC₁P_μC, CT_μPsPS PSP_μ PIP_iP»PēPIP°C” PSP° PePsPSC₁P_μPSC, CT_μP°C₁C-C_H
P_iCT_μP_sP»P°PeC, PēPSC₁ PI P_iP»P°P·PjC- PeCT_μPsPIC-.

P PsP»C_H PsPSPPrP°PSC₁P_μC, CT_μPsPSC₁ P_iCT_μPē P±P»C_HPIP°PSPSC-,
C₁P_iCT_μPēC±PēPSP_μPSPsPjCr PsP_iC-P°C, P°PjPē, C%₀P_μ PSP_μ PIPēPIC±P_μPSP°.

PαP°CT_μPjP°PePsPeC-PSP_μC, PēPeP°.

PhP±C₁P_sCT_μP±C₁C-C₁

P_μC-C₁P»C₁ P_iP_μCT_μPsCT_μP°P»C_HPSPsPiPs P_iCT_μPēPN₂PsPjCr PsPSPPrP°PSC₁P_μC, CT_μPsPS
P_iPsPIPSC-C₁C, C_H PIC₁PjPsPeC, C₁C”C, C_HC₁C₁ P· CēP»C₁PSPePsPIPs-PePēCēPePsPIPsPiPs
C, CT_μP°PeC, C₁ C- P_iC-PrPrP°C”C, C_HC₁C₁ PjP_μC, P°P±PsP»C-P·PjCr P_iCT_μPē P_iP_μCT_μCēPsPjCr
P_iCT_μP_sC...PsPrP₁P_μPSPSC- C±P_μCT_μP_μP· P_iP_μC±C-PSPeC₁. PhP°PeC₁PēPjP°P»C_HPSP°
PePsPSC₁P_μPSC, CT_μP°C₁C-C₁ Cr P_iP»P°P·PjC- PeCT_μPsPIC- C₁C, P°PSPsPIPēC, C_H
P±P»PēP·C_HPePs 30 PSp_i/PjP» C- PrPsC₁C₁PiP°C”C, C_HC₁C₁ P_iCT_μPēP±P»PēP·PSPs C±P_μCT_μP_μP·
1,5 PiPsPrPēPSPē P_iC-C₁P»C₁ P_iCT_μPēPN₂PsPjCr PrPsP·Pē 8 PjPi. P_μCT_μPē
P·P°C₁C, PsC₁C₁PIP°PSPSC- PrPsP·, C%₀Ps P_iP_μCT_μP_μPIPēC%₀C₁C_HC, C_H 8 PjPi, PIPjC-C₁C,
PsPSPPrP°PSC₁P_μC, CT_μPsPSC₁ Cr PeCT_μPsPIC- P·P±C-P»C_HCēC₁C”C, C_HC₁C₁
PSP_μP_iCT_μPsPiPsCT_μC₁C-PN₂PSPs, PsC₁PeC-P»C_HPePē P_iCT_μPē P_iCT_μPēPN₂PsPjC- PIPēC₁PsPePēC...
PrPsP· PIPSC₁C, CT_μC-CēPSCHPs PjPsP₁P»PēPIP_μ P·PjP_μPSCēP_μPSPSC₁ PN₂PsPiPs
PjP_μC, P°P±PsP»C-P·PjCr P_iCT_μPē P_iP_μCT_μCēPsPjCr P_iCT_μP_sC...PsPrP₁P_μPSPSC- C±P_μCT_μP_μP·

РiРµC±C-PSPeCf. PŸPµCĤPµPrPSCĬ P±C-PsPrPsCfC,CfPĭPSC-CfC,CH Cf P·PrPsCĤPsPIPëC... PrPsP±CĤPsPIPsP»CHC†C-PI C±PsP»PsPIC-C±PsC— CfC,P°C,C- PĭC-CfP»CĬ PĭCĤPëPNëPsPjCf PsPrPSC-C”C— C,P°P±P»PµC,PePë 8 PjPi CfC,P°PSPsPIPëP»P° PĭCĤPëP±P»PëP·PSPs 55BĤ”60 %. P’C-PsPrPsCfC,CfPĭPSC-CfC,CH PrPµC%Ps P·P±C-P»CHCëCfC”C,CHCfCĬ PĭCĤPë PsPrPSPSc±P°CfPSPsPjCf PĭCĤPëPNëPsPjC- PĭCĤPµPĭP°CĤP°C,Cf P· C—P¶PµCH, P°P»Pµ PSPµ P·PjC-PSCHC”C,CHCfCĬ PĭCĤPë PĭCĤPëPNëPsPjC- P· P°PSC,P°C†PëPrP°PjPë.

PJ PrPsCĤPsCfP»PëC... CĤPsP·PĭPsPrC-P» PsPSPrP°PSCfPµC,CĤPsPSCf PsPrPSP°PePsPIPëPNë PĭCĤPë PĭPµCĤPsCĤP°P»CHBPSPsPjCf, PIPSCfC,CĤC-CëPSCĤPsPjBĤ™ CĬP·PsPIPsPjCf C,P° PIPSCfC,CĤC-CëPSCĤPsPIPµPSPSPsPjCf P·P°CfC,PsCfCfPIP°PSPSC-, C,P° P°PSP°P»PsPiC-C±PSPëPNë PĭPµCĤC-PsPrCf PSP°PĭC-PIPIPëPIPµPrPµPSPSCĬ Cf PeC-PSC†PµPIC-PNë C,,P°P·C- BĤ” PĭCĤPëP±P»PëP·PSPs 3 PiPsPrPëPSPë C- PsP±BĤ™ C”PjCf CĤPsP·PĭPsPrC-P»Cf PI CĤC-PIPSPsPIP°P¶PSPsPjCf CfC,P°PSC- PĭCĤPëP±P»PëP·PSPs BĤ” 140 P». P·PePIC-PIP°P»PµPSC,PSP° CfPëCfC,PµPjPSP° PµPeCfPĭPsP·PëC†C-CĬ PrPsCfCĬPiP°C”C,CHCfCĬ PĭC-CfP»CĬ PIPSCfC,CĤC-CëPSCĤPsPjBĤ™ CĬP·PsPIPsPiPs C,P° PIPSCfC,CĤC-CëPSCĤPsPIPµPSPSPsPiPs PIPµPrPµPSPSCĬ PsPSPrP°PSCfPµC,CĤPsPSCf.

P’PSCfC,CĤC-CëPSCĤPsPIPµPSPSP° C-PSC,,CfP·C-CĬ PsPSPrP°PSCfPµC,CĤPsPSCf Cf PrPsP·C- 4 PjPi PĭCĤPsC,CĬPiPsPj 5 C...PIPëP»PëPS PĭCĤPëP·PIPsPrPëC,CH PrPs PĭC-PePsPIPëC... PePsPSC†PµPSC,CĤP°C†C-PNë Cf PĭP»P°P·PjC- PeCĤPsPIC- PĭCĤPëP±P»PëP·PSPs 65 PSPi/PjP». PµC-CfP»CĬ PIPSCfC,CĤC-CëPSCĤPsPjBĤ™ CĬP·PsPIPsPiPs PIPµPrPµPSPSCĬ PsPSPrP°PSCfPµC,CĤPsPSCf PĭC-PePsPIC- PePsPSC†PµPSC,CĤP°C†C-C— Cf PĭP»P°P·PjC- PeCĤPsPIC- CfC,P°PSPsPIP»CĬC,CH PĭCĤPëP±P»PëP·PSPs 25 PSPi/PjP» C- PrPsCfCĬPiP°CĤC,CHCfCĬ PĭCĤPsC,CĬPiPsPj 10 C...PIPëP»PëPS PĭC-CfP»CĬ C-PSBĤ™ C”PeC†C-C—.

PµC-CfP»CĬ P·P°CfC,PsCfCfPIP°PSPSCĬ CĤPµPeC,P°P»CHBPSPSc— C,,PsCĤPjPë PsPSPrP°PSCfPµC,CĤPsPSCf (CfCfPĭPsP·PëC,PsCĤC-C—) PePsPSC†PµPSC,CĤP°C†C-C— P»C-PeP°CĤCfCHPePsPiPs P·P°CfPsP±Cf PI PĭP»P°P·PjC- PeCĤPsPIC- PIPëP·PSP°C±P°CĤC,CHCfCĬ C±PµCĤPµP· 15BĤ”60 C...PIPëP»PëPS PĭC-CfP»CĬ PIPµPrPµPSPSCĬ. PµPsPSC†PµPSC,CĤP°C†C-C— P·CĤPsCfC,P°CĤC,CH P»C-PSC-PNëPSPs, PĭPsPePë PSPµ PrPsCfCĬPiPSCfC,CH PĭC-PePsPIPëC... PePsPSC†PµPSC,CĤP°C†C-PNë 20BĤ”30 PSPi/PjP», CĬPe PĭCĤP°PIPëP»Ps, C±PµCĤPµP· 6 PiPsPrPëPS PĭC-CfP»CĬ P·P°CfC,PsCfCfPIP°PSPSCĬ. P”P°P»C- PePsPSC†PµPSC,CĤP°C†C-C— PI PĭP»P°P·PjC- PeCĤPsPIC- P·PSPëP¶CfCHC,CHCfCĬ, P°P»Pµ P· PjPµPSCëPsCH CëPIPëPrPeC-CfC,CH, PSC-P¶ PĭC-CfP»CĬ PĭPµCĤPsCĤP°P»CHBPSPsPiPs PĭCĤPëPNëPsPjCf, C±PµCĤPµP· C,CĤPëPIP°P»Pµ PICfPjPsPeC,CfPIP°PSPSCĬ PsPSPrP°PSCfPµC,CĤPsPSCf. PĤP±CfPsP»CHC,PSP° P±C-PsPrPsCfC,CfPĭPSC-CfC,CH PsPSPrP°PSCfPµC,CĤPsPSCf C-P· CfCfPĭPsP·PëC,PsCĤC-CH CfC,P°PSPsPIPëC,CH PĭCĤPëP±P»PëP·PSPs 60 % C- PSPµ P·P°P»PµP¶PëC,CH PIC-Pr CfC,P°C,C-. PµPµCĤC-PsPr PSP°PĭC-PIPIPëPIPµPrPµPSPSCĬ PĭC-CfP»CĬ PIPµPrPµPSPSCĬ CfCfPĭPsP·PëC,PsCĤC-CH PIPëP·PSP°C±P°C”C,CHCfCĬ CëPIPëPrPeC-CfC,CH PICfPjPsPeC,CfPIP°PSPSCĬ PsPSPrP°PSCfPµC,CĤPsPSCf, P° PSPµ CfPëCfC,PµPjPSPëPj PeP»C-CĤPµPSCfPsPj C- CfC,P°PSPsPIPëC,CH PĭCĤPëP±P»PëP·PSPs 6 PiPsPrPëPS. PJ P¶C-PSPsPe CfPĭPsCfC,PµCĤC-PiP°C”C,CHCfCĬ PSPµPIPµP»PëPePµ PeP»C-PSC-C±PSPs PSPµP·PSP°C±PSPµ P·P±C-P»CHCëPµPSPSCĬ PĭPµCĤC-PsPrCf PSP°PĭC-PIPIPëPIPµPrPµPSPSCĬ PĭPsCĤC-PIPSCĬPSPs P· C±PsP»PsPIC-PeP°PjPë.

P PsP·PĭPsPrC-P»

PĤPSPrP°PSCfPµC,CĤPsPS PjP°C” PĭPsPjC-CĤPSPëPNë CfC,CfPĭC-PSCH P·PiBĤ™ CĬP·CfPIP°PSPSCĬ P· P±C-P»PeP°PjPë PĭP»P°P·PjPë PeCĤPsPIC- (70BĤ”76 %).

P'C-PsC, C₇H₅P°PSCÍC, PsC₇H₅PjP°C†C-CÍ C, P° PIPëPIPrPµPSPSCÍ

P†P· CÍPëCÍC, PµPjPSPsPiPs PeC₇H₅PsPiPsPsP±C-PiCr PsPSPrP°PSCÍPµC, C₇H₅PsPS
PµP»C-PjC-PSCÍC" C, CHCÍCÍ PÍ PsCÍPSPsPiPsPjCr PÍ C₇H₅PµP·CrP»CHC, P°C, C-
PjPµC, P°P±PsP»C-P·PjCr PÍ PiPµC†C-PSC†C- P·P° CrC†P°CÍC, C₇H PrPµPeC-P»CHPePsC...
C,, PµC₇H₅PjPµPSC, PSPëC... CëP»CÍC...C-PI.

P₇H₅PsC€Pµ 5 % P°P±CÍPsC₇H₅P±PsPiP°PSPsC— PrPsP·Pë PIPëPiPsPrPëC, CHCÍCÍ Cr
PSPµP·PjC-PSPµPSPsPjCr PIPëPiP»CÍPrC- P· CÍPµC†PµC₇H. P'C-PrCÍCrC, PSC-CÍC, CH
C-P·PsC,, PµC₇H₅PjPµPSC, Cr PŸYP 2D6 (PiPsP»C-PjPsC₇H,, C-P·Pj PrPµP±C₇H₅PëP·PsC...C-PSCÍ) PSPµ
PIPiP»PëPIP°C" PSP° C,, P°C₇H₅PjP°PePsPeC-PSPµC, PëPeCr PsPSPrP°PSCÍPµC, C₇H₅PsPSCÍ.
P₇P°C₇H₅PjP°PePsPeC-PSPµC, PëC†PSC- PIP»P°CÍC, PëPiPsCÍC, C- PsPSPrP°PSCÍPµC, C₇H₅PsPSCÍ
PSPµ P·PjC-PSC₇H₅C, CHCÍCÍ PíC₇H₅Pë PiPsPIC, PsC₇H₅PsPjCr P·P°CÍC, PsCÍCrPiP°PSPSC-.

PhCÍPsP±P»PëPIC- PiC₇H₅áPiPë PiP°C†C-C" PSC, C-PI

P" PµPSPrPµC₇H₅PSC- PIC-PrPjC-PSPSPsCÍC, C-

P₇P°C₇H₅PjP°PePsPeC-PSPµC, PëPeP° PsPSPrP°PSCÍPµC, C₇H₅PsPSCÍ P·P°P»PµP¶PëC, CH PIC-Pr
CÍC, P°C, C- PiP°C†C-C" PSC, C-PI. Pj P¶C-PSPsPe PiC-CÍP»CÍ PiPµC₇H₅PsC₇H₅P°P»CHPSPsPiPs
PiC₇H₅PëPN₂PsPjCr CÍPiPsCÍC, PµC₇H₅C-PiP°P»P°CÍCH P±C-P»CHC€P° CëPIPëPrPeC-CÍC, CH C-
CÍC, CrPiC-PSC₇H P°P±CÍPsC₇H₅P±C†C-C— PsPSPrP°PSCÍPµC, C₇H₅PsPSCÍ C- P·PSPëP¶PµPSPëPN₂
CÍPëCÍC, PµPjPSPëPN₂ PeP»C-C₇H₅PµPSCÍ C, P° PsP±B₇™C" Pj C₇H₅Ps·PiPsPrC-P»Cr (P·
PiPsPiC₇H₅P°PIPePsC₇H PSP° PIP°PiCr).

P"C-C, Pë PIC-PePsPj PIC-Pr 1 PjC-CÍCÍC†CÍ PrPs 17 C₇H₅PsPeC-PI

Pj PrC-C, PµPN₂ PIC-PePsPj PIC-Pr 1 PrPs 4 PjC-CÍCÍC†C-PI (n=19), CÍPeC-
PiPµC₇H₅PµPSPµCÍP»Pë C...C-C₇H₅CrC₇HiC-C†PSPµ PIC, C₇H₅CrC†P°PSPSCÍ, PeP»C-C₇H₅PµPSCÍ
(C-P· PePsC₇H₅PµPeC†C-C" C₇H PiPsPeP°P·PSPëPeC-PI P·P°P»PµP¶PSPs PIC-Pr PjP°CÍPë C, C-P»P°)
P±CrPI PiC₇H₅PëP±P»PëP·PSPs PSP° 30 % PiPsPIC-P»CHPSC-CëPëPN₂, PSC-P¶ Cr
PiP°C†C-C" PSC, C-PI PIC-PePsPj PIC-Pr 5 PrPs 24 PjC-CÍCÍC†C-PI (n=22), P°P»Pµ
CÍPiC-PICÍC, P°PIPsPëPN₂ P· PrP°PSPëPj PiPsPeP°P·PSPëPePsPj Cr PiP°C†C-C" PSC, C-PI
PIC-PePsPj PIC-Pr 3 PrPs 12 C₇H₅PsPeC-PI. PµPµC₇H₅C-PsPr PSP°PiC-PIPiPëPiPµPrPµPSPSCÍ Cr
PiC₇H₅CrPiC- PiP°C†C-C" PSC, C-PI PIC-PePsPj PIC-Pr 1 PrPs 4 PjC-CÍCÍC†C-PI Cr
CÍPµC₇H₅PµPrPSC₇H₅PsPjCr CÍC, P°PSPsPiPëPI 6, 7 PiPsPrPëPSPë PiPsC₇H₅C-PIPsCÍPSPs P· 2, 9
PiPsPrPëPSPë Cr PIC-PePsPiPëC... PiC₇H₅CrPiP°C... PIC-Pr 5 PrPs 24 PjC-CÍCÍC†C-PI C- PIC-Pr 3
PrPs 12 C₇H₅PsPeC-PI. P'C-PrPjC-PSPSPsCÍC, C- C,, P°C₇H₅PjP°PePsPeC-PSPµC, PëC†PSPëC...
PiP°C₇H₅PjPµC, C₇H₅C-PI Cr PiP°C†C-C" PSC, C-PI PIC-PePsPj PIC-Pr 1 PrPs
4 PjC-CÍCÍC†C-PI C†P°CÍC, PePsPiPs PiPsCÍCÍPSC₇H₅C, CHCÍCÍ PIPëC%PëPj
PIC-PrCÍPsC, PePsPiPëPj PiPjC-CÍC, PsPj C₇H₅C-PrPëPSPë PÍ PsC₇H₅PiP°PSC-P·PjC- Cr
PSPsPiPsPSP°C₇H₅PsPrP¶PµPSPëC... C, P° PSPµPjPsPiP»CÍC, C- PIPëC%PëPj PsP±B₇™C" PjPsPj
C₇H₅Ps·PiPsPrC-P»Cr PiPsPrPsC₇H₅Ps·C†PëPSPSPëC... P»C-PeP°C₇H₅CÍCHPePëC...
P·P°CÍPsP±C-PI, C, P°PePëC... CÍPe PsPSPrP°PSCÍPµC, C₇H₅PsPS.

Pj PrC-C, PµPN₂ PIC-PePsPj PIC-Pr 3 PrPs 12 C₇H₅PsPeC-PI, CÍPeC- PiC₇H₅PsC...PsPrPëP»Pë
PiP»P°PSPsPiPµ C...C-C₇H₅CrC₇HiC-C†PSPµ PIC, C₇H₅CrC†P°PSPSCÍ PiC-Pr P·P°PiP°P»CHPSPsC₇H
P°PSPµCÍC, PµP·C-C" C₇H, P°P±CÍPsP»C₇H, PSC- P·PSP°C†PµPSPSCÍ PeP»C-C₇H₅PµPSCÍCr C, P°
PsP±B₇™C" PjCr C₇H₅Ps·PiPsPrC-P»Cr PsPSPrP°PSCÍPµC, C₇H₅PsPSCÍ P±CrP»Pë P·PSPëP¶PµPSC-
PiPsC₇H₅C-PIPsCÍPSPs P·C- P·PSP°C†PµPSPSCÍPjPë Cr PrPsC₇H₅PsCÍP»PëC.... PhP±PëPrPiP°
PiP°C₇H₅PjPµC, C₇H₅Pë PiC-PrPiPëC%CrPiP°P»PëCÍCÍ P»C-PSC-PN₂PSPs P·P°P»PµP¶PSPs PIC-Pr
PjP°CÍPë C, C-P»P°, C- PrPs 12 C₇H₅PsPeC-PI C†C- P·PSP°C†PµPSPSCÍ

PSP°P±P»PëP¶CfPIP°P»PëCfC¶ PrPs PiPsPeP°P·PSPëPeC-PI Cr PjPsP»PsPrPëC...
PrPsC¶PsCfP»PëC....

PµC¶Pë PePsC¶PµPeC†C-C— PiPsPeP°P·PSPëPeC-PI PeP»C-C¶PµPSCfCf C,P° PsP±B¶™ C”PjCf
C¶PsP·PiPsPrC-P»Cr P·P°P»PµP¶PSPs PIC-Pr PjP°CfPë C,C-P»P°, C†C- PiP°C¶P°PjPµC,C¶Pë
P±CfP»Pë PSP°P±P»PëP¶PµPSC- Cr C¶C-P·PSPëC... PIC-PePsPIPëC... PiC¶CfPiP°C....
P PsP·C¶P°C...CfPSPsPe PrPsP·Pë P· CrC¶P°C...CfPIP°PSPSC¶Pj PjP°CfPë C,C-P»P°
PePsPjPiPµPSCfCfC” PIC-PePsPIC- P·PjC-PSPë C- C” PµC,,PµPeC,PëPIPSPëPj PrP»C¶
PSPsC¶PjP°P»C-P·P°C†C-C— CfPëCfC,PµPjPSPsC— PµPeCfPiPsP·PëC†C-C—
PsPSPrP°PSCfPµC,C¶PsPSCf Cr PrC-C,PµPNë.

P—P° C¶PµP·CfP»CHC,P°C,P°PjPë PiC¶PsPIPµPrPµPSPsPiPs PrPsCfP»C-PrP¶PµPSPSC¶,
PiP»PsC%°° PiC-Pr C,,P°C¶PjP°PePsPeC-PSPµC,PëC†PSPsC¶ PeC¶PëPIPsC¶
B«PePsPSC†PµPSC,C¶P°C†C-C¶ B¶” C†P°CfB» (AUC) PiC-CfP»C¶ PiPµC¶PsC¶P°P»CHPSPsPiPs
C- PIPSCfC,C¶C-C¶PSC¶PsPIPµPSPSPsPiPs P·P°CfC,PscfCfPIP°PSPSC¶ PrC-C,C¶Pj C-
PiC-PrP»C-C,PeP°Pj P±CfP»P° PiPsPrC-P±PSPsC¶ PrPs C,P°PePsC— Cr PrPsC¶PsCfP»PëC...,
P·P° PIPëPSC¶C,PePsPj PrC-C,PµPNë PIC-PePsPj PIC-Pr 1 PrPs 4 PjC-CfC¶C†C-PI. PhP±B¶™ C”Pj
C¶PsP·PiPsPrC-P»Cr P·P°P»PµP¶P°PI PIC-Pr PIC-PeCf C- P±CfPI PSPëP¶C†PëPj Cr
PrPsC¶PsCfP»PëC... PiPsC¶C-PIPSC¶PSPs P· PrC-C,CHPjPë. P¶P»C-C¶PµPSCf P·P°P»PµP¶P°PI
PIC-Pr PjP°CfPë C,C-P»P° PiP°C†C-C”PSC,P°, PsPrPSP°Pe PSPµ P·P°P»PµP¶P°PI PIC-Pr PIC-PeCf
(P·P° PIPëPeP»C¶C†PµPSPSC¶Pj PrC-C,PµPNë PIC-PePsPj PIC-Pr
1 PrPs 4 PjC-CfC¶C†C-PI). P¶PeP»P°PrPSPs P·C¶PsP±PëC,Pë PIPëCfPSPsPiPsPe C%°°PsPrPs
C,PsPiPs, C†Pë PIPëPSPëPeP°P»Ps P·P°P»PµP¶PSPs PIC-Pr PIC-PeCf PrPsPrP°C,PePsPIPµ
P·PSPëP¶PµPSPSC¶ PeP»C-C¶PµPSCfCf PsPSPrP°PSCfPµC,C¶PsPSCf Cr PrC-C,PµPNë
PIC-PePsPj PIC-Pr 1 PrPs 4 PjC-CfC¶C†C-PI, C†Pë PIC-PrPiPsPIC-PrPSPµ P·PSPëP¶PµPSPSC¶
PjP°P»Ps PiC¶PëC¶PsPrPSCf PIP°C¶C-P°P±PµP»CHPSC-CfC,CH, PiPsPiB¶™ C¶P·P°PSCf P·
PSPµPIPµP»PëPePsC¶ PeC-P»CHPeC-CfC,C¶ PiP°C†C-C”PSC,C-PI, C¶PeC-
PrPsCfP»C-PrP¶CfPIP°P»PëCfCH Cr PrP°PSC-PNë PIC-PePsPIC-PNë PiC¶CfPiC-.
PhCfPeC-P»CHPePë PiP°C†C-C”PSC,Pë PIC-PePsPj PrPs 6 PjC-CfC¶C†C-PI P±CfPrCfC,CH
PsC,C¶PëPjCfPIP°C,Pë C,C-P»CHPePë PsPrPSCf PrPsP·Cf PiC¶PµPiP°C¶P°C,Cf PiC¶Pë
PIPëPSPëPePSPµPSPSC- PiC-CfP»C¶PsPiPµC¶P°C†C-PNëPSPëC... PSCfPrPsC,Pë C-
P±P»C¶HIP°PSPSC¶, C¶PIPëPrC¶Pµ P·P° PICfPµ, P·PSPëP¶PµPSPSC¶ PeP»C-C¶PµPSCfCf PSPµ
P±CfPrPµ PjP°C,Pë PeP»C-PSC-C†PSPsPiPs P·PSP°C†PµPSPSC¶.

PµP°C†C-C”PSC,Pë P»C-C,PSC¶PsPiPs PIC-PeCf

P†CfPSCfC¶C,CH PrP°PSC-, C%°°Ps Cr PiP°C†C-C”PSC,C-PI P»C-C,PSC¶PsPiPs PIC-PeCf
CfPiPsCfC,PµC¶C-PiP°C”C,CHCfC¶ PSPµP·PSP°C†PSPµ PIC-PePsPIPµ P·PSPëP¶PµPSPSC¶
PeP»C-C¶PµPSCfCf C,P° P·P±C-P»CHC¶PµPSPSC¶ PiPµC¶C-PsPrCf
PSP°PiC-PIPIPëPIPµPrPµPSPSC¶ PsPSPrP°PSCfPµC,C¶PsPSCf. PhPrPSP°Pe
P·P°PiP°P»CHPSPëC... PIC-PrPjC-PSPSPsCfC,PµPNë Cr P±PµP·PiPµC†C- C,P°
PµC,,PµPeC,PëPIPSPsCfC,C- CfPµC¶PµPr P±C-P»CHC¶ PjPsP»PsPrC¶PëC... PiP°C†C-C”PSC,C-PI
C,P° CfC,P°C¶C¶PëC... PsPSPePsP»PsPiC-C†PSPëC... PiP°C†C-C”PSC,C-PI PSPµ
CfPiPsCfC,PµC¶C-PiP°C”C,CHCfC¶.

P¶P° PsCfPSPsPIC- P±C-P»CHC¶ P°PeC,CfP°P»CHPSPëC... PrP°PSPëC... PiC¶Ps
PePsPSC†PµPSC,C¶P°C†C-C¶ PsPSPrP°PSCfPµC,C¶PsPSCf PI PiP»P°P·PjC- PeC¶PsPIC-, P°
C,P°PePsP¶ C¶PµP·CfP»CHC,P°C,C-PI PjPsPrPµP»C¶HIP°PSPSC¶ P·P°P»PµP¶PSPsCfC,C-
PeP»C-PSC-C†PSPsC— PIC-PrPiPsPIC-PrC- PIC-Pr PµPeCfPiPsP·PëC†C-C—,
PiPµC¶PµPrP±P°C†P°C”C,CHCfC¶ P±C-P»CHC¶ PIPëC¶P°P¶PµPSPëPNë PIPiP»PëPI PSP°
C-PSC,PµC¶HIP°P» QTCfCf Cr PiP°C†C-C”PSC,C-PI PIC-PePsPj PIC-Pr 75 C¶PsPeC-PI, PSC-P¶ Cr
PiP°C†C-C”PSC,C-PI PjPsP»PsPrC¶PsPiPs PIC-PeCf. P”P»C¶ PiP°C†C-C”PSC,C-PI PIC-PePsPj

PIC-Pr 65 CḡPsPeC-PI C- PīPsPSP°Pr 75 CḡPsPeC-PI PīCḡPμPrCḡC,P°PIP»PμPSC-
CḡPīPμC†C-P°P»CHḡPSC- CḡPμPePsPjPμPSPPrP°C†C-C— C%PsPrPs PIPēP±PsCḡCḡ
PIPSCḡC,CḡC-CēPSCḡPsPIPμPSPSPsC— PrPsP·Pē P»C-PeP°CḡCḡCHḡPePsPiPs P·P°CḡPsP±Cḡ
(PrPēPI. CḡPsP·PrC-P» B«PŸPīPsCḡC-P± P·P°CḡC,PsCḡCḡPIP°PSPSCḡ C,P° PrPsP·PēB»).

PμP°C†C-C”PSC,Pē C-P· PīPsCḡCḡCēPμPSPSCḡPjPē C,,CḡPSPeC†C-C— PSPēCḡPsPe

Pj PīP°C†C-C”PSC,C-PI C-P· PSPēCḡPePsPIPsCḡ PSPμPrPsCḡC,P°C,PSC-CḡC,Cḡ
(PeP»C-CḡPμPSCḡ PeCḡPμP°C,PēPSC-PSCḡ 15Bḡ“60 PjP»/C...PI) CḡPēCḡC,PμPjPSPēPNē
PeP»C-CḡPμPSCḡ C- PsP±Bḡ™ C”Pj CḡPsP·PīPsPrC-P»Cḡ P·PSPēPḡCḡC,CḡCḡCḡ PīC-CḡP»Cḡ
PIPSCḡC,CḡC-CēPSCḡPsPIPμPSPSPsPiPs PIPμPrPμPSPSCḡ PsPSPPrP°PSCḡPμC,CḡPsPSCḡ,
C%Ps PīCḡPēP·PIPPrPēC,Cḡ PrPs PSPμPIPμP»PēPePsPiPs, P°P»Pμ PeP»C-PSC-C†PSPs
PSPμP·PSP°C†CḡC%PsPiPs P·P±C-P»CHḡCēPμPSPSCḡ PīPμCḡC-PsPrCḡ
PSP°PīC-PIPIPēPIPμPrPμPSPSCḡ
(5,4 PīPsPrPēPSPē). P”PsCḡP»C-PrPḡPμPSPSCḡ P·P° CḡC†P°CḡC,Cḡ PīP°C†C-C”PSC,C-PI C-P·
C,CḡPḡPePsCḡ PSPēCḡPePsPIPsCḡ PSPμPrPsCḡC,P°C,PSC-CḡC,Cḡ, CḡPeC-
PīPsC,CḡPμP±CḡPIP°P»Pē CḡPμPīCḡP»CḡCḡPSPSPiPs PīPμPjPsPrC-P°P»C-P·Cḡ
(PrPsCḡP»C-PrPḡPμPSPSCḡ PjC-Pḡ CḡPμP°PSCḡP°PjPē PīPμPjPsPrC-P°P»C-P·Cḡ),
PīCḡP°PeC,PēC†PSPs PSPμ PīPsPeP°P·P°P»Pē P·PjC-PSPē C,,P°CḡPjP°PePsPeC-PSPμC,PēPePē
PsPSPPrP°PSCḡPμC,CḡPsPSCḡ PīC-CḡP»Cḡ PNēPsPiPs PIPSCḡC,CḡC-CēPSCḡPsPIPμPSPSPsPiPs
PIPIPμPrPμPSPSCḡ.

PμP°C†C-C”PSC,Pē C-P· PīPsCḡCḡCēPμPSPSCḡPjPē C,,CḡPSPeC†C-C— PīPμC†C-PSPePē

PμC-CḡP»Cḡ PīPμCḡPsCḡP°P»CHḡPSPsPiPs, PIPSCḡC,CḡC-CēPSCḡPsPIPμPSPSPsPiPs P°P±Ps
PIPSCḡC,CḡC-CēPSCḡPsPjBḡ™ CḡP·PsPIPSPiPs P·P°CḡC,PsCḡCḡPIP°PSPSCḡ Cḡ
PīP°C†C-C”PSC,C-PI C-P· C,CḡPḡPePsCḡ PīPμC†C-PSPePsPIPsCḡ
PSPμPrPsCḡC,P°C,PSC-CḡC,Cḡ CḡC-P·PePs P·PSPēPḡCḡC,CḡCḡCḡ CḡPēCḡC,PμPjPSPēPNē
PeP»C-CḡPμPSCḡ PsPSPPrP°PSCḡPμC,CḡPsPSCḡ P·C- P·P±C-P»CHḡCēPμPSPSCḡPj
PīPμCḡC-PsPrCḡ PSP°PīC-PIPIPēPIPμPrPμPSPSCḡ PrPs 15Bḡ“32 PīPsPrPēPS, P°
P±C-PsPrPsCḡC,CḡPīPSC-CḡC,Cḡ PīCḡPē PīPμCḡPsCḡP°P»CHḡPSPsPjCḡ PīCḡPēPNēPsPjC-
PrPsCḡCḡPīP°C” 100 % PIPSP°CḡP»C-PrPsPe P·PSPēPḡPμPSPSCḡ
PīCḡPμCḡPēCḡC,PμPjPSPsPiPs PjPμC,P°P±PsP»C-P·PjCḡ.

PαP°CḡPjP°PePsPeC-PSPμC,PēPeP° PsPSPPrP°PSCḡPμC,CḡPsPSCḡ PīC-CḡP»Cḡ
P·P°CḡC,PsCḡCḡPIP°PSPSCḡ CḡCḡPīPsP·PēC,PsCḡC-C—PI PSPμ PsC†C-PSCḡPIP°P»P°CḡCḡ Cḡ
PīP°C†C-C”PSC,C-PI C-P· PīPμC†C-PSPePsPIPsCḡ PSPμPrPsCḡC,P°C,PSC-CḡC,Cḡ.

PḡP»C-PSC-C†PSC- C...P°CḡP°PeC,PμCḡPēCḡC,PēPePē.

PμPsPeP°P·P°PSPSCḡ.

P”PsCḡPsCḡP»C-

- PḡCḡPrPsC,P° C- P±P»CḡPIP°PSPSCḡ, CḡPīCḡPēC†PēPSPμPSC- C†PēC,PsC,PsPeCḡPēC†PSPsCḡ
C...C-PjC-PsC,PμCḡP°PīC-C”Cḡ C,P° PīCḡPsPjPμPSPμPIPsCḡ C,PμCḡP°PīC-C”Cḡ.

- PμCḡPsC,,C-P»P°PeC,PēPeP° PīC-CḡP»CḡPsPīPμCḡP°C†C-PNēPSPēC... PSCḡPrPsC,Pē C-
P±P»CḡPIP°PSPSCḡ.

P''P»CЦ P»C-PeCfPIP°PSPSCЦ PĭC-CfP»CЦPsPĭPμCĤP°C†C-PN°PSPëC... PSCfPrPsC,Pë C-
P±P»CĤPIP°PSPSCЦ CĤPμPePsPjPμPSPPrPsPIP°PSPs P·P°CfC,PscfPsPICfPIP°C,Pë
PsPSPPrP°PSCfPμC,CĤPsPS Cř PIPëPiP»CЦPrC- CĤPsP·C†PëPSCř PrP»CЦ C-PSBĤ™C''PeC†C-PN°.

P''C-C,Pë

- PĕCřPrPsC,P° C- P±P»CĤPIP°PSPSCЦ, CfPĭCĤPëC†PëPSPμPSC-
C...C-PjC-PsC,PμCĤP°PĭC-C''CĤ, Cř PrC-C,PμPN° PIC-PePsPj PIC-Pr 6 PjC-CfCЦC†C-PI.

P'C-PrCfCřC,PSC- PrP°PSC- PrPsCfP»C-PrP¶PμPSCĤ C°PsPrPs P·P°CfC,PscfCřPIP°PSPSCЦ
PĭPμCĤPsCĤP°P»CĤPSPsPiPs PsPSPPrP°PSCfPμC,CĤPsPSCř Cř PrC-C,PμPN° PIC-PePsPj
PIC-Pr 1 PjC-CfCЦC†CЦ PrP»CЦ PĭCĤPsC,,C-P»P°PeC,PëPePë C,P° P»C-PeCfPIP°PSPSCЦ
PĭC-CfP»CЦPsPĭPμCĤP°C†C-PN°PSPëC... PSCřPrPsC,Pë C- P±P»CĤPIP°PSPSCЦ; Cř C†CĤPsPjCř
PIPëPĭP°PrPeCř CĤPμPePsPjPμPSPPrPsPIP°PSPs P·P°CfC,PscfPsPICfPIP°C,Pë
PsPSPPrP°PSCfPμC,CĤPsPS Cř PIPëPiP»CЦPrC- CĤPsP·C†PëPSCř PrP»CЦ C-PSBĤ™C''PeC†C-PN°.

PμCĤPsC,PëPiPsPeP°P·P°PSPSCЦ.

- PμC-PrPIPëC°PμPSP° C†CřC,P»PëPIC-CfC,CĤ PrPs PrC-CĤC†PsC— CĤPμC†PsPIPëPSPë
P°P±Ps P±CřPrCĤ-CЦPePsC— P· PrPsPĭPsPjC-P¶PSPëC... CĤPμC†PsPIPëPs
P»C-PeP°CĤCfCĤPePsPiPs P·P°CfPsP±Cř.

- PŸCřPjC-CfPSPμ P·P°CfC,PscfCřPIP°PSPSCЦ P· P°PĭPsPjPsCĤC,,C-PSPsPj (PrPëPI.
CĤPsP·PrC-P» B«P'P·P°C''PjPsPrC-CЦ P· C-PSCëPëPjPë P»C-PeP°CĤCfCĤPePëPjPë
P·P°CfPsP±P°PjPë C,P° C-PSCëC- PIPëPrPë PIP·P°C''PjPsPrC-PN°B»).

***P'P·P°C''PjPsPrC-CЦ P· C-PSCëPëPjPë P»C-PeP°CĤCfCĤPePëPjPë P·P°CfPsP±P°PjPë C,P°
C-PSCëC- PIPëPrPë PIP·P°C''PjPsPrC-PN°.***

P''P°PSC- C°PsPrPs PjPsP¶P»PëPIPsCfC,C- PsPSPPrP°PSCfPμC,CĤPsPSCř
CfC,PëPjCřP»CĤPIP°C,Pë C†Pë PĭP°P»CĤPjCřPIP°C,Pë PjPμC,P°P±PsP»C-P·Pj C-PSCëPëC...
PĭCĤPμPĭP°CĤP°C,C-PI PĭCĤPë PsPrPSPsC†P°CfPSPsPjCř P· PSPëPj P·P°CfC,PscfCřPIP°PSPSC-
PIC-PrCfCřC,PSC-. PŸPĭPμC†C-P°P»CĤPSC- PrPsCfP»C-PrP¶PμPSPSCЦ PĭPsPeP°P·P°P»Pë,
C°Ps PsPSPPrP°PSCfPμC,CĤPsPS PSPμ PIP·P°C''PjPsPrC-C'' P· P°P»PePsPiPsP»PμPj,
C,PμPjP°P·PμPĭP°PjPsPj, C,,CřCĤPsCfPμPjC-PrPsPj, P°P»C,,PμPSC,P°PSC-P»PsPj,
C,CĤP°PjP°PrPsP»PsPj, PjPsCĤC,,C-PSPsPj, P»C-PrPsPeP°C—PSPsPj, C,C-PsPĭPμPSC,P°P»PsPj
P°P±Ps PĭCĤPsPĭPsC,,PsP»PsPj.

PĥPSPPrP°PSCfPμC,CĤPsPS PjPμC,P°P±PsP»C-P·CřC''C,CĤCfCЦ CĤC-P·PSPsPjP°PSC-C,PSPëPjPë
C,,PμCĤPjPμPSC,P°PjPë C†PëC,Psc...CĤPsPjCř P 450 PĭPμC†C-PSPePë: CYP3A4, CYP2D6 C,P°
CYP1A2. P—P°PIPrCЦPePë CĤC-P·PSPsPjP°PSC-C,PSPsCfC,C- C,,PμCĤPjPμPSC,C-PI
PjPμC,P°P±PsP»C-P·PjCř PsPSPPrP°PSCfPμC,CĤPsPSCř, PĭP°P»CĤPjCřPIP°PSPSCЦ P°P±Ps
P·PjPμPSCëPμPSPSCЦ P°PeC,PëIPSPsCfC,C- PsPrPSPsPiPs P· PSPëC... (PSP°PĭCĤPëPeP»P°Pr,
PĭPμPSPμC,PëC†PSPëPN° PrPμC,,C-C†PëC, CYP2D6) P·P°P·PIPëC†P°PN°
PePsPjPĭPμPSCfCřC''C,CĤCfCЦ C-PSCëPëPjPë C,,PμCĤPjPμPSC,P°PjPë, PI
CĤPμP·CřP»CĤC,P°C,C- C†PsPiPs P·PjC-PSPë P·P°PĭP°P»CĤPSPsPiPs PeP»C-CĤPμPSCfCř
PsPSPPrP°PSCfPμC,CĤPsPSCř P±CřPrCřC,CĤ PIC-PrCfCřC,PSC-PjPë P°P±Ps
PSPμP·PSP°C†PSPëPjPë C,P° PSPμ PĭPsC,CĤPμP±CřPIP°C,PëPjCřC,CĤ PePsCĤPμPeC†C-C—

PrPsP·Pë.

P— PsP±PμCḡPμP¶PSC—CÍC,Cḡ CÍP»C—Pr P·P°CÍC,PscÍPsPICrPIP°C,Pë
PsPSPrP°PSCÍPμC,CḡPsPS CḡP°P·PsPj C—P· P»C—PeP°CḡCÍCHPePëPjPë P·P°CÍPsP±P°PjPë,
C%Ps PİPsPrPsPIP¶CÍCḡC,Cḡ C—PSC,PμCḡPIP°P» QT C,P°/P°P±Ps CÍPİCḡPëC±PëPSCİCḡC,Cḡ
PİPsCḡCÍCēPμPSPSCİ PμP»PμPeC,CḡPsP»C—C,PSPsPiPs P±P°P»P°PSCÍCÍ
(PrPëPI. CḡPsP·PrC—P» B«PhCÍPsP±P»PëIPsCÍC,C— P·P°CÍC,PscÍCÍPIP°PSPSCİB»).

P—P°CÍC,PscÍCÍPIP°PSPSCİ PsPSPrP°PSCÍPμC,CḡPsPSCÍ P· C—PSCēPëPjPë
P»C—PeP°CḡCÍCHPePëPjPë P·P°CÍPsP±P°PjPë, C%Ps PİPsPrPsPIP¶CÍCḡC,Cḡ
C—PSC,PμCḡPIP°P» QT, PjPsP¶Pμ CÍPİCḡPëC±PëPSPëC,Pë PrPsPrP°C,PePsPIPμ
PİPsPrPsPIP¶PμPSPSCİ C†CHPsPiPs C—PSC,PμCḡPIP°P»CÍ. PŸCÍPjC—CÍPSPμ
P·P°CÍC,PscÍCÍPIP°PSPSCİ PsPSPrP°PSCÍPμC,CḡPsPSCÍ P·
PeP°CḡPrC—PsC,PscPeCÍPëC±PSPëPjPë P»C—PeP°CḡCÍCHPePëPjPë P·P°CÍPsP±P°PjPë
(PSP°PİCḡPëPeP»P°Pr, P· P°PSC,CḡP°C†PëPeP»C—PSP°PjPë (PrPsPeCÍPsCḡCÍP±C—C†PëPS,
PrP°CÍPSPsCḡCÍP±C—C†PëPS) P°P±Ps C,CḡP°CÍC,CÍP·CÍPjP°P±PsPj),
P°PSC,PëP±C—PsC,PëPeP°PjPë (PSP°PİCḡPëPeP»P°Pr, PμCḡPëC,CḡPsPjC—C†PëPS),
PİCḡPsC,PëPİCḡPëP±PePsPIPëPjPë P·P°CÍPsP±P°PjPë (PSP°PİCḡPëPeP»P°Pr,
PePμC,PscPePsPSP°P·PsP»), P°PSC,PëP°CḡPëC,PjC—C±PSPëPjPë P·P°CÍPsP±P°PjPë
(PSP°PİCḡPëPeP»P°Pr, P°PjC—PsPrP°CḡPsPS) C,P° β—P±P»PsPeP°C,PscḡP°PjPë
(PSP°PİCḡPëPeP»P°Pr, P°C,PμPSPsP»PsP» P°P±Ps C,PëPjPsP»PsP») PjPsP¶Pμ
P·P±C—P»CHCēPëC,Pë CḡPëP·PëPe PİPëPSPëPePSPμPSPSCİ P°CḡPëC,PjC—PNë (PrPëPI.
CḡPsP·PrC—P» B«PhCÍPsP±P»PëIPsCÍC,C— P·P°CÍC,PscÍCÍPIP°PSPSCİB»).

PŸPμCḡPsC,PSPSC—PSPμCḡPiPμC,PëPePë (PSP°PİCḡPëPeP»P°Pr, CÍPμP»PμPeC,PëIPSC—
C—PSPİC—P±C—C,PscḡPë P·PIPscḡPsC,PSPsPiPs P·P°C...PsPİP»PμPSPSCİ
CÍPμCḡPsC,PSPSC—PSCÍ (PŸP†P—P—PŸ) C,P° C—PSPİC—P±C—C,PscḡPë P·PIPscḡPsC,PSPsPiPs
P·P°C...PsPİP»PμPSPSCİ CÍPμCḡPsC,PSPSC—PSCÍ C,P° PSPsCḡP°PrCḡPμPSP°P»C—PSCÍ
(P†P—P—PŸPÍ))

PŸPμCḡPsC,PSPSC—PSPsPIPëPNë CÍPëPSPrCḡPsPj (PIPeP»CḡC±PSPs P·C— P·PjC—PSP°PjPë
PİCÍPëC...C—C±PSPsPiPs CÍC,P°C,CÍCÍCÍ, PIPμPiPμC,P°C,PëIPSPsCḡ
PSPμCÍC,P°P±C—P»CHPSC—CÍC,Cḡ C— PSPμCḡPIPpsPiPs—PjBḡ™ CİP·PsPIPëPjPë
PİPsCḡCÍCēPμPSPSCİPjPë) P±CÍPI PsPİPëCÍP°PSPëPNë PİC—CÍP»Cİ PsPrPSPsC±P°CÍPSPsPiPs
P·P°CÍC,PscÍCÍPIP°PSPSCİ PsPSPrP°PSCÍPμC,CḡPsPSCÍ C,P° C—PSCēPëC...
CÍPμCḡPsC,PSPSC—PSPμCḡPiC—C±PSPëC... PİCḡPμPİP°CḡP°C,C—PI, CÍ C,PspjCÍ C±PëCÍP»C—
PŸP†P—P—PŸ C,P° P†P—P—PŸPÍ (PrPëPI. CḡPsP·PrC—P» B«PhCÍPsP±P»PëIPsCÍC,C—
P·P°CÍC,PscÍCÍPIP°PSPSCİB»).

PhPİPsPjPsCḡC,,C—PS

P—P°CÍC,PscÍCÍPIP°PSPSCİ PsPSPrP°PSCÍPμC,CḡPsPSCÍ CḡP°P·PsPj P·
P°PİPsPjPsCḡC,,C—PSCÍ PiC—PrCḡPsC...P»PsCḡPëPrPsPj PİCḡPsC,PëPİPsPeP°P·P°PSPμ,
PscÍPeC—P»CHPePë CÍPİPsCÍC,PμCḡC—PiP°P»PëCÍCİ PİPëPİP°PrPePë CÍPëP»CHPSPsC—
P°CḡC,PμCḡC—P°P»CHPSPsC— PiC—PİPsC,PμPSP·C—C— C,P° PIC,CḡP°C,Pë
CÍPIC—PrPsPjPsCÍC,C— PİC—Pr C±P°CÍ CÍCÍPjC—CÍPSPsPiPs P·P°CÍC,PscÍCÍPIP°PSPSCİ.

PμPSC—C,Psc—PS, PeP°CḡP±P°PjP°P·PμPİC—PS C— CḡPëC,,P°PjPİC—C†PëPS

Pj PİP°C†C—C”PSC,C—PI, CİPeC— P»C—PeCÍPIP°P»PëCÍCH CÍPëP»CHPSPsPrC—CḡC±PëPjPë
C—PSPrCÍPeC,PscḡP°PjPë CYP3A4 (PSP°PİCḡPëPeP»P°Pr, C,,PμPSC—C,Psc—PSPsPj,
PeP°CḡP±P°PjP°P·PμPİC—PSPsPj C— CḡPëC,,P°PjPİC—C†PëPSPsPj), PeP»C—CḡPμPSCÍ

PsPSPPrP°PSCÍPµC, CĤPsPSCÍ, PíCĤPë PíPµCĤPsCĤP°P»CHbPSPsPjCÍ P·P°CÍC, PsCÍCÍPIP°PSPSC-,
P±CÍPI PíC-PrPIPëC%oPµPSPëPNë, P° PePsPSC†PµPSC, CĤP°C†C-CĬ CÍ PeCĤPsPIC-
P·PSPëP¶PµPSPsCĤ.

PÿCĤP°PjP°PrPsP»

P—P° PrP°PSPëPjPë PSPµPIPµP»PëPePëC... PeP»C-PSC-C†PSPëC... PrPsCÍP»C-PrP¶PµPSCĤ,
PsPSPPrP°PSCÍPµC, CĤPsPS PjPsP¶Pµ P·PjPµPSC€CÍPIP°C, Pë P°PSP°P»PiPµC, PëC†PSPëPNë
PµC,, PµPeC, C, CĤP°PjP°PrPsP»CÍ.

PĥCÍPsP±P»PëPIPsCÍC, C- P·P°CÍC, PsCÍC¿PIP°PSPSCIĬ.

PµCĤPë P»C-PeCÍPIP°PSPSC- PíP°C†C-C" PSC, C-PI C-P· PíCĤPsCĬPIP°PjPë
PíC-PrPIPëC%oPµPSPsC— C†CÍC, P»PëPIPsCÍC, C- PrPs C-PSC€PëC... CÍPµP»PµPeC, PëPIPsPëC...
P°PSC, P°PiPsPSC-CÍC, C-PI 5-PĥPÿ₃-CĤPµC†PµPíC, PsCĤC-PI CÍPíPsCÍC, PµCĤC-PiP°P»PëCÍCĬ
CĤPµP°PeC†C-C— PíC-PrPIPëC%oPµPSPsC— C†CÍC, P»PëPIPsCÍC, C-.

P PµP°PeC†C-C—, PíPsPIbĤ™ CĬP·P°PSC- P· PrPëC...P°P»CHbPSPsCĤ CÍPëCÍC, PµPjPsCĤ,
CÍP»C-Pr P»C-PeCÍPIP°C, Pë CÍPëPjPíC, PsPjP°C, PëC†PSPs. PĥPµPrPëC†PSC-
PíCĤP°C†C-PIPsPëPePë PíPsPIPëPSPSC- P·PIPµCĤC, P°C, Pë PsCÍPsP±P»PëPICÍ CÍPIP°PiCÍ PSP°
PSPëC..., PsCÍPeC-P»CHbPePë PIPsPSPë C" PíPsPíPµCĤPµPrPSPëPeP°PjPë CĤPµP°PeC†C-PNë
PíC-PrPIPëC%oPµPSPsC— C†CÍC, P»PëPIPsCÍC, C- PSP° P»C-PeP°CĤCÍCHbPePëPNë P·P°CÍC-P±.

***PµPsPIC-PrPsPjP»CĬP»PsCÍCĬ PíCĤPs PIPëPíP°PrPePë C-C€PµPjC-C—
PjC-PsPeP°CĤPrP° CÍ PíP°C†C-C" PSC, C-PI, CĬPeC- PsC, CĤPëPjCÍPIP°P»Pë
PsPSPPrP°PSCÍPµC, CĤPsPS. Pj PrPµCĬPePëC... PíP°C†C-C" PSC, C-PI CÍPëPjPíC, PsPjPë
P·bĤ™ CĬPIP»CĬP»PëCÍCĬ PsPrCĤP°P·CÍ PíC-CÍP»CĬ PIPiPµPrPµPSPSCIĬ
PsPSPPrP°PSCÍPµC, CĤPsPSCÍ, PsCÍPsP±P»PëPIPs CÍ CĤP°P·C-
PIPsCÍC, CĤC-C€PSCĤbPsPIPµPSPSPsPiPs PIPiPµPrPµPSPSCIĬ. PµP°C†C-C" PSC, C-PI
CÍP»C-Pr PíPsPíPµCĤPµPrPëC, Pë PíCĤPs PsP·PSP°PePë C, P° CÍPëPjPíC, PsPjPë
C-C€PµPjC-C— PjC-PsPeP°CĤPrP°.***

PĥPSPPrP°PSCÍPµC, CĤPsPS CÍ PrPsP·PsP·P°P»PµP¶PSC-PNë C,, PsCĤPjC- PíPsPrPsPIP¶CÍC"
C-PSC, PµCĤPIP°P» QT. PĤCĤC-Pj C, PsPiPs, P·P° PrP°PSPëPjPë
PíPsCÍC, PjP°CĤPePµC, PëPSPiPsPiPs CÍPíPsCÍC, PµCĤPµP¶PµPSPSCIĬ, P±CÍP»Pë
PíPsPIC-PrPsPjP»PµPSPSCIĬ PíCĤPs PIPëPíP°PrPePë
C, CĤPµPjC, C-PSPSCIĬ/PjPµCĤPµC...C, C-PSPSCIĬ C€P»CÍPSPsC†PeC-PI (*torsade de pointes*)
PíCĤPë P·P°CÍC, PsCÍCÍPIP°PSPSC- PsPSPPrP°PSCÍPµC, CĤPsPSCÍ. PÿP»C-Pr CÍPSPëPeP°C, Pë
P·P°CÍC, PsCÍCÍPIP°PSPSCIĬ PsPSPPrP°PSCÍPµC, CĤPsPSCÍ PíP°C†C-C" PSC, P°Pj C-P·
PICĤPsPrP¶PµPSPëPj CÍPëPSPrCĤPsPjPsPj PíPsPrPsPIP¶PµPSPsPiPs C-PSC, PµCĤPIP°P»CÍ QT.
PĥPSPPrP°PSCÍPµC, CĤPsPS CÍP»C-Pr P·P°CÍC, PsCÍPsPICÍPIP°C, Pë P·
PsP±PµCĤPµP¶PSC-CÍC, CĤ PrP»CĬ P»C-PeCÍPIP°PSPSCIĬ PíP°C†C-C" PSC, C-PI, CĬPeC-
PjP°CĤC, CH P°P±Ps CÍ CĬPePëC... PjPsP¶Pµ CĤPsP·PIPëPSCÍC, PëCÍCĬ PíPsPrPsPIP¶PµPSPSCIĬ
C-PSC, PµCĤPIP°P»CÍ QT, PIPeP»CĤC†PSPs P· PíP°C†C-C" PSC, P°PjPë C-P·
PíPsCĤCÍC€PµPSPSCIĬPjPë PµP»PµPeC, CĤPsP»C-C, PSPsPiPs P±P°P»P°PSCÍCÍ,
P·P°CÍC, C-PNëPSPsCĤ CÍPµCĤC†PµPiPsCĤ PSPµPrPsCÍC, P°C, PSC-CÍC, CĤ,

P±CḡP°PrPëP°CḡPëC,PjC-C"ḡ P°P±Ps PïP°C†C-C"PSC,C-PI, CḡPeC- P»C-PeCḡCḡC,CHCḡCḡ C-PSC€PëPjPë PïCḡPµPïP°CḡP°C,P°PjPë, C%Ps PjPsPḡCḡC,CH CḡPïCḡPëC†PëPSCḡC,Pë PïPsPrPsPIPḡPµPSPSCḡ C-PSC,PµCḡPIP°P»Cḡ QT P°P±Ps PïPsCḡCḡC€PµPSPSCḡ PµP»PµPeC,CḡPsP»C-C,PSPsPiPs P±P°P»P°PSCḡCḡ. PµPµCḡPµPr PïPsC†P°C,PePsPj P·P°CḡC,PsCḡCḡPIP°PSPSCḡ PsPSPrP°PSCḡPµC,CḡPsPSCḡ CḡP»C-Pr CḡPePsCḡPµPïCḡPIP°C,Pë PïC-PïPsPeP°P»C-C"PjC-Cḡ C,P° PïC-PïPsPjP°PïPSC-C"PjC-Cḡ.

PµC-CḡP»Cḡ PsPrPSPsC†P°CḡPSPsPiPs P·P°CḡC,PsCḡCḡPIP°PSPSCḡ PsPSPrP°PSCḡPµC,CḡPsPSCḡ C,P° C-PSC€PëC... CḡPµCḡPsC,PsPSC-PSPµCḡPïC-C†PSPëC... PïCḡPµPïP°CḡP°C,C-PI (PḡP†P-P-Pḡ C,P° P†P-P-PḡPḡ) Cḡ PïP°C†C-C"PSC,C-PI P±CḡPI PsPïPëCḡP°PSPëPḡ CḡPµCḡPsC,PsPSC-PSPsPIPëPḡ CḡPëPSPrCḡPsPj, PïPeP»CḡC†PSPs P·C- P·PjC-PSP°PjPë PïCḡPëC...C-C†PSPsPiPs CḡC,P°C,CḡCḡCḡ, PïPµPïPµC,P°C,PëPIPSPsCḡ PSPµCḡC,P°P±C-P»CHPSC-CḡC,Cḡ C- PSPµCḡPIPSPiPs-PjBḡ™ CḡP·PsPIPëPjPë PïPsCḡCḡC€PµPSPSCḡPjPë (PrPëPI. CḡPsP·PrC-P» B«P'P·P°C"PjPsPrC-Cḡ P· C-PSC€PëPjPë P»C-PeP°CḡCḡCHPePëPjPë P·P°CḡPsP±P°PjPë C,P° C-PSC€C- PïPëPrPë PïP·P°C"PjPsPrC-PḡB»). PïPeC%Ps PsPrPSPsC†P°CḡPSPµ P»C-PeCḡPIP°PSPSCḡ PsPSPrP°PSCḡPµC,CḡPsPSPsPj C,P° C-PSC€PëPjPë CḡPµCḡPsC,PsPSC-PSPµCḡPïC-C†PSPëPjPë PïCḡPµPïP°CḡP°C,P°PjPë C" PeP»C-PSC-C†PSPs PsP±T'CḡCḡPSC,PsPIP°PSPëPj, CḡPµPePsPjPµPSPrCḡC",CHCḡCḡ PIC-PrPïPsPIC-PrPSPµ CḡPïPsCḡC,PµCḡPµPḡPµPSPSCḡ P·P° PïP°C†C-C"PSC,PsPj.

PḡCḡPeC-P»CHPePë PsPSPrP°PSCḡPµC,CḡPsPS PïPsCḡP»P°P±P»CḡC" PïPµCḡPëCḡC,P°P»CHC,PëPeCḡ PePëC€PµC†PSPëPeCḡ, PïPsC,CḡC-P±PSPëPḡ CḡPµC,PµP»CHPSPëPḡ PSP°PïP»CḡPr P·P° PïP°C†C-C"PSC,P°PjPë P· PsP·PSP°PeP°PjPë PïC-PrPïPsCḡC,CḡPsC— PSPµPïCḡPsC...C-PrPSPsCḡC,C- PePëC€PµC†PSPëPeCḡ PïC-Pr C†P°Cḡ P·P°CḡC,PsCḡCḡPIP°PSPSCḡ P»C-PeP°CḡCḡCHPePsPiPs P·P°CḡPsP±Cḡ P®PSPsCḡPj®.

Pj PïP°C†C-C"PSC,C-PI, CḡPePëPj PïCḡPsPIPSPrPëC,CHCḡCḡ C...C-CḡCḡPïC-C†PSPµ PIC,CḡCḡC†P°PSPSCḡ PI P°PrPµPSPsC,PsPSP·PëP»CḡCḡPSC-Pḡ PrC-P»CḡPSC†C-, P·P°CḡC,PsCḡCḡPIP°PSPSCḡ PsPSPrP°PSCḡPµC,CḡPsPSCḡ PrP»Cḡ PïCḡPsC,,C-P»P°PeC,PëPePë PSCḡPrPsC,Pë C- P±P»CḡPIP°PSPSCḡ PjPsPḡPµ PjP°CḡPeCḡPIP°C,Pë PïPëPSPëPePSPµPSPSCḡ PeCḡPsPIPSPs,PµC†C-. PḡPsPjCḡ C,P°PeC- C...PIPsCḡC- PïC-PrP»CḡPïP°CḡC,CH CḡPµC,PµP»CHPSPsPjCḡ PSP°PïP»CḡPrCḡ PïC-CḡP»Cḡ P·P°CḡC,PsCḡCḡPIP°PSPSCḡ PsPSPrP°PSCḡPµC,CḡPsPSCḡ.

P»C-PeP°CḡCḡCHPePëPḡ P·P°CḡC-P± P®PSPsCḡPj® PjC-CḡC,PëC,CH CḡPsCḡP±C-C,, P·PSPµCḡPïPµC,PëC†PSP° C†C-PSPSC-CḡC,CH 1 Pï CḡPsCḡP±C-C,Cḡ Bḡ " 2,6 PePeP°P». PïPeC%Ps Cḡ PrPëC,PëPSPë PICḡC,P°PSPsPIP»PµPSP° PSPµPïPµCḡPµPSPsCḡPëPjC-CḡC,CH PrPµCḡPePëC... C†CḡPeCḡC-PI, CḡP»C-Pr PïCḡPsPePsPSCḡCḡP»CHC,CḡPIP°C,PëCḡCḡ P· P»C-PeP°CḡPµPj, PïPµCḡC€ PSC-Pḡ PïCḡPëPḡPjP°C,Pë C†PµPḡ P»C-PeP°CḡCḡCHPePëPḡ P·P°CḡC-P±. PµP°C†C-C"PSC,P°Pj C-P· CḡC-PrPeC-CḡPSPëPjPë CḡPïP°PrPePsPIPëPjPë C,,PsCḡPjP°PjPë PSPµPïPµCḡPµPSPsCḡPëPjPsCḡC,C- C,,CḡCḡPeC,PsP·Pë PSPµ CḡP»C-Pr PïCḡPëPḡPjP°C,Pë C†PµPḡ PïCḡPµPïP°CḡP°C,,.

P"C-C,Pë

Pj PrC-C,PµPḡ, CḡPeC- PsC,CḡPëPjCḡCḡC,CH PsPSPrP°PSCḡPµC,CḡPsPS CḡP°P·PsPj C-P· PïPµPïP°C,PsC,PsPeCḡPëC†PSPëPjPë C...C-PjC-PsC,PµCḡP°PïPµPIC,PëC†PSPëPjPë PïCḡPµPïP°CḡP°C,P°PjPë, PïPsC,CḡC-P±PSPs CḡPµC,PµP»CHPSPs CḡC,PµPḡPëC,Pë P·P° PjPsPḡP»PëPIPëPjPë PïPsCḡCḡC€PµPSPSCḡPjPë C,,CḡPSPeC†C-C— PïPµC†C-PSPePë.

PḡCḡPrPsC,P° C- P±P»CḡPIP°PSPSCḡ, CḡPïCḡPëC†PëPSPµPSC- C...C-PjC-PsC,PµCḡP°PïC-C"ḡ

PμCḡPë CḡPSP·CḡP°C...CřPSPeCř PrPsP·Pë P·PiC-PrPSPs P· PjP°CřPsCḡ C,C-P»P° C-
 P·P°CřC,PsCřCřPIP°PSPSC- C,CḡCHPsC... PrPsP· C-P· 4-PiPsPrPëPSPSPëPj
 C-PSC,PμCḡPIP°P»PsPj P·P°PiP°P»CHbPSP° PrPsP±PsPIP° PrPsP·P° P±CřPrPμ PIPëC%PsCḡ,
 PSC-P¶ PïCḡPë P·P°CřC,PsCřCřPIP°PSPSC- PsPrPSC-C”C— PrPsP·Pë 5 PjPi/Pj² P·
 PSP°CřC,CřPïPSPëPj PïPμCḡPsCḡP°P»CHbPSPëPj PïCḡPëPñPsPjPsPj P»C-PeP°CḡCřCHbPePsPiPs
 P·P°CřPsP±Cř. PμPsCḡC-PIPSCıP»CHbPSP° PμC,,PμPeC,PëPIPSC-CřC,CH C†PëC... PrPIPsC...
 CḡPμP¶PëPjC-PI PrPsP·CřPIP°PSPSCı PSPμ P±CřP»P° PsC†C-PSPμPSP° Cř
 PeP»C-PSC-C†PSPëC... PrPsCřP»C-PrP¶PμPSPSCıC.... PμPsCḡC-PIPSCıPSPSCı
 CḡPμP·CřP»CHbC,P°C,C-PI CḡC-P·PSPëC... PrPsCřP»C-PrP¶PμPSCḡ CřPIC-PrC†PëC,CH PïCḡPs
 PïPsPrC-P±PSCř PμC,,PμPeC,PëPIPSC-CřC,CH PsP±PsC... CḡPμP¶PëPjC-PI
 PrPsP·CřPIP°PSPSCı.

$P-P^{\circ}Cl^{\circ}C, PsCl^{\circ}C \hat{=} PIP^{\circ}PSPSCl \quad C \hat{=} PiP_{\mu}C \overline{H}C - PsPr \quad PIP^{\circ}PiC - C, PSPsCl^{\circ}C, C - P^{\circ}P \pm Ps$
 $PiPsPrC \hat{=} PIP^{\circ}PSPSCl \quad PiC \overline{H}C \hat{=} PrPrC \overline{H}.$

P-C-PSPePë CĤPuPİCĤPsPrCřPeC,PëPIPSsPiPs PIC-PeCř

P-C-PSPeP°Pj CḦPμPīCḦPSPrCṛPeC,PēPIPSPsPiPs PIC-PeCṛ CṛP»C-Pṛ CḦPSP·PiP»CḶPSCṛC,Pē
PjPsP¶P»PēPIC-CṛC,Ch P·P°CṛC,PsCṛCṛPIP°PSPSCḶ P·P°CṛPSP±C-PI
PePsPSC,CḦP°C†PμPīC†C-C—.

$$P'P^{\circ}PiC-C,PSC-C\dot{I}C,CH$$

$\text{P}\ddot{\text{K}}\text{P}^\circ \text{P}\ddot{\text{I}}\text{C}-\text{Pr}\text{C}\dot{\text{I}}\text{C}, \text{P}^\circ\text{PIC}-\text{Pi}\text{C}\dot{\text{H}}\text{PsPIP}\mu\text{PrP}\mu\text{PSP}\ddot{\text{E}}\text{C}\dots \text{P}\mu\text{PiC}-\text{PrP}\mu\text{PjC}-\text{PsP}\gg\text{PsPiC}-\text{C}\ddagger\text{PSP}\ddot{\text{E}}\text{C}\dots$
 $\text{PrPsC}\dot{\text{I}}\text{P}^\circ\text{C}-\text{PrP}\P\mu\text{PSC}\dot{\text{H}} \text{P}\cdot\text{P}^\circ \text{C}\dot{\text{r}}\text{C}\ddagger\text{P}^\circ\text{C}\dot{\text{I}}\text{C}, \text{C}\dot{\text{H}} \text{P}\gg\text{C}\dot{\text{H}}\text{PrP}\mu\text{PN}\ddot{\text{e}}, \text{PsPSP}\text{Pr}^\circ\text{PSC}\dot{\text{I}}\text{P}\mu\text{C}, \text{C}\dot{\text{H}}\text{PsPS} \text{PjPsP}\P\mu$
 $\text{PIP}\ddot{\text{e}}\text{PeP}\gg\text{P}\ddot{\text{e}}\text{PeP}^\circ\text{C}, \text{P}\ddot{\text{e}} \text{PIP}^\circ\text{PrP}\ddot{\text{e}} \text{C}\dot{\text{H}}\text{PsP}\cdot\text{PIP}\ddot{\text{e}}\text{C}, \text{PeCr} \text{C}\%_{\text{O}}\text{P}\mu\text{P}\gg\text{P}\mu\text{PiPSPs}\cdot\text{P}\gg\text{P}\ddot{\text{e}}\text{C}\ddagger\text{P}\mu\text{PIP}\text{Sc}-$
 $\text{PrC}-\text{P}\gg\text{C}\dot{\text{I}}\text{PSPeP}\ddot{\text{e}} \text{Pi}\text{C}\dot{\text{H}}\text{P}\ddot{\text{e}} \text{P}\cdot\text{P}^\circ\text{C}\dot{\text{I}}\text{C}, \text{PsC}\dot{\text{I}}\text{C}\dot{\text{r}}\text{PIP}^\circ\text{PSPSC}-\text{Pi}\text{C}\dot{\text{H}}\text{PsC}, \text{C}\dot{\text{I}}\text{PiPsPj} \text{PiP}\mu\text{C}\dot{\text{H}}\text{C}\ddot{\text{e}}\text{PsPiPs}$
 $\text{C}, \text{C}\dot{\text{H}}\text{P}\ddot{\text{e}}\text{PiP}\mu\text{C}\dot{\text{I}}\text{C}, \text{C}\dot{\text{H}}\text{Cr} \text{PIP}^\circ\text{PiC}-\text{C}, \text{PSPsC}\dot{\text{I}}\text{C}, \text{C}-.$

P' PsPrPSPsPjCr PePsPiPsCTjC, PSPsPjCr PrPsCfP»C-PrP¶PµPSPSC-, C%Ps PIPeP»CThC†P°P»Ps 1,8 PjC-P»CHbPN₂PsPSP° PIP°PiC-C, PSPsCfC, PµPN₂, P·P°CfC, PsCfCfPIP°PSPSC¶ PsPSPTrP°PSCfPµC, CTjPsPSCr PiC-Pr C†P°Cf PiPµCTjC€PsPiPs C, CTjPëPjPµCfC, CTjCr PIP°PiC-C, PSPsCfC, C- P±CfP»Ps PiPsPIbTj™ C¶P·P°PSPs P· PiC-PrPIPëC%PµPSPëPj CTjPëP·PëPePsPj CTjPsP·PIPëC, PeCr PSPµP·CTjPsC%PµPSPSC¶ C, PeP°PSPëPS C%PµP»PµPiPSPs- P»PëC†PµPIPsC— PrC-P»C¶PSPePë (3 PrPsPrP°C, PePsPIPëC... PIPëPiP°PrPePë PSP° 10000 P¶C-PSPsPe, C¶PeC- PsC, CTjPëPjCrPIP°P»Pë P»C-PeCrPIP°PSPSC¶; CfPePsCTjPëPiPsPIP°PSPëPN₂ PIC-PrPSPsCfPSPëPN₂ CTjPëP·PëPe 1,24 (95 % P"Pt 1,03bTj"1,48)).

[illegible]

P⁺PsCl⁻P»C-PrP¶PμPSPSCΠ PSP° C,PIP°CT̄PëPSP°C... PSPμ PIPeP°P·CrCT̄C,CḢ PSP° PīCT̄CΠPjC-C‡Pë PsPiPsCl⁻PμCT̄PμPrPePsPIP°PSC- C€PeC-PrP»PëPIC- PμC,,PμPeC,Pë C‰PsPrPs CT̄PμPīCT̄PsPrCrPeC,PëPIPSPsC— C,PsPeCl⁻PëC‡PSPsCl⁻C,-.

$$\text{PhPSP}^{\text{r}}\text{P}^{\circ}\text{PSC}^{\text{r}}\text{P}_{\text{u}}\text{C}, \text{C}_6\text{H}_5\text{PS} \text{PSP}_{\text{u}} \text{C}^{\text{r}}\text{P} \gg \text{C}-\text{Pr} \text{P} \cdot \text{P}^{\circ}\text{C}^{\text{r}}\text{C}, \text{PsC}^{\text{r}}\text{P}_{\text{S}}\text{PIC}^{\text{r}}\text{PIP}^{\circ}\text{C}, \text{P}_{\text{e}} \text{P}_{\text{i}}\text{C}_6\text{H}_5\text{SC}, \text{ClPiPsP}_{\text{j}}$$

PhPSPPr°PSCrPμC, C₇H₅PsPS, P·P°P»PμP¶PSPs PIC-Pr P»C-PeP°C₇CrCHPePsC—C,,PsC₇H₅PjPë,
PjPsP¶PSP°P·P°CrC,PsCrPsPICrPIP°C,Pë C₇H₅PμPeC,P°P»CH₅PSPs (CrCrPìPsP·PëC,PsC₇H₅C-C—),
PiPμC₇H₅PsC₇H₅P°P»CH₅PSPs (CrPëC₇H₅PsPì P°P±Ps C,P°P±P»PμC,PePë),

PIPSCrC, C7C-CePSCbPsPjB7™ CIP·PsPIPs P°P±Ps PIPSCrC, C7C-CePSCbPsPIPMPSPPs.

P PµPePsPjPµPSPPrPsPIP°PSP° PµPµC7PsC7P°P»CHbPSP° PrPsP·P° C7C, P°PSPsPIPeC, CH 8 PjPi PsPSPPr°PSCrPµC, C7PsPSCr P·P° 1B7"2 PiPsPrPëPSPë PrPs PiPsC±P°C, PeCr PiC7PsPIPMPrPµPSPSC C...C-PjC-PsC, PµC7P°PiC-C— P°P±Ps PiC7PsPjPµPSPµPIPsC— C, PµC7P°PiC-C— P·PSP°C7C, CrPiPSPëPj PiC7PëPMsPjPsPj 8 PjPi PePsP¶PSC- 12 PiPsPrPëPS C, C7PëPIP°P»C-C7C, CH PrPs 5 PrPSC-PI PrP»C C PiC7PsC,, C-P»P°PeC, PëPePë PIC-PrC7C, C7PsC±PµPSPsPiPs P°P±Ps C, C7PëPIP°P»PsPiPs P±P»CHPIP°PSPSC C.

P'PeC7PsPePsPµPjPµC, PsPiPµPSPSP° C...C-PjC-PsC, PµC7P°PiC-C C

P P°P·PsPIP° PrPsP·P° PjPsP¶Pµ C7C, P°PSPsPIPeC, Pë 24 PjPi P»C-PeP°C7C7CHbPePsPiPs P·P°C7PsP±Cr P®PSPsC7Pj^{B®} PsPrPSPsC±P°C7PSPs P·PrPµPeC7P°PjPµC, P°P·PsPSPsPj PSP°C, C7C-CH C,, PsC7C,, P°C, PsPj PIPSCrC, C7C-CePSCbPs Cr PrPsP·C- 12 PjPi P·P° 1B7"2 PiPsPrPëPSPë PrPs PiPsC±P°C, PeCr PiC7PsPIPMPrPµPSPSC C...C-PjC-PsC, PµC7P°PiC-C—. P"»C C PiC7PsC,, C-P»P°PeC, PëPePë PIC-PrC7C, C7PsC±PµPSPsPiPs P°P±Ps C, C7PëPIP°P»PsPiPs P±P»CHPIP°PSPSC C PiC-C7P»C C PiPµC7CëPëC... 24 PiPsPrPëPS PjPsP¶PSP° PiC7PsPrPsPIP¶PeC, Pë PiPµC7PsC7P°P»CHbPSPµ P°P±Ps C7PµPeC, P°P»CHbPSPµ P·P°C7C, PsC7CrPIP°PSPSC C P»C-PeP°C7C7CHbPePsPiPs P·P°C7PsP±Cr P®PSPsC7Pj^{B®} C, C7PëPIP°P»C-C7C, CH PrPs 5 PrPSC-PI PiC-C7P»C C PeCrC7C7Cr P»C-PeCrPIP°PSPSC C. P PµPePsPjPµPSPPrPsPIP°PSP° PµPµC7PsC7P°P»CHbPSP° PrPsP·P° C7C, P°PSPsPIPeC, CH 8 PjPi 2 C7P°P·Pë PSP° PrPsP±Cr.

PkZPrPsC, P° C- P±P»CHPIP°PSPSC C, C7PiC7PëC±PëPSPµPSC- C...C-PjC-PsC, PµC7P°PiC-C"CH C±PrC-C, PµPNs PIC-PePsPj PIC-Pr 6 PjC-C7C C7C-PI PrPs 17 C7PsPeC-PI

P"PsP·Cr P»C-PeP°C7C7CHbPePsPiPs P·P°C7PsP±Cr P®PSPsC7Pj^{B®} PjPsP¶PSP° C7PsP·C7P°C...CrPIP°C, Pë P·P° PiP»PsC%PµCH PiPsPIPMCHC...PSC- C, C-P»P° P°P±Ps P·P° PjP°C7PsCH C, C-P»P° (PrPëPI. PSPëP¶C±Pµ). Pj PiPµPrC-P°C, C7PëC±PSPëC... PeP»C-PSC-C±PSPëC... PrPsC7P»C-PrP¶PµPSPSC C... PsPSPPr°PSCrPµC, C7PsPs PIPsPrPëP»Pë CëP»C C...PsPj PIPSCrC, C7C-CePSCbPsPIPMPSPPsC— C-PSC,, CrP·C-C— Cr 25B7"50 PjP» 0,9 % C7PsP·C±PëPSCr PSP°C, C7C-CH C...P»PsC7PëPrCr P°P±Ps C-PSCëPsPiPs PIC-PrPiPsPIC-PrPSPsPiPs C7PsP·C±PëPSPSPëPeP° PSPµ PjPµPSCëPµ PSC-P¶ 15 C...PIPëP»PëPS.

P—P°PiP°P»CHbPSP° PrPsP±PsPIP° PrPsP·P°, C7PsP·C7P°C...PsPIP°PSP° P·P° PjP°C7PsCH C, C-P»P°, C" P±C-P»CHbCëPsCH PiPsC7C-PIPS C PSC C-P·P·P°PiP°P»CHbPSPsCH PrPsP±PsPIPsCH PrPsP·PsCH, C7PsP·C7P°C...PsPIP°PSPsCH P·P° PiP»PsC%PµCH PiPsPIPMCHC...PSC- C, C-P»P° (PrPëPI. C7PsP·PrC-P» B«PhC7PsP±P»PëPIPsC7C, C-P·P°C7C, PsC7CrPIP°PSPSC C B»).

P'C-PrC7CrC, PSC- PrP°PSC- PePsPSC, C7PsP»CHbPsPIP°PSPëC... PeP»C-PSC-C±PSPëC... PrPsC7P»C-PrP¶PµPSCb C%PsPrPs P·P°C7C, PsC7CrPIP°PSPSC C PsPSPPr°PSCrPµC, C7PsPSCr PrC-C, CIPj PrP»C C PiC7PsC,, C-P»P°PeC, PëPePë PIC-PrC7C, C7PsC±PµPSPsPiPs P°P±Ps C, C7PëPIP°P»PsPiPs P±P»CHbPIP°PSPSC C PiC7Pë PiC7PsPIPMPrPµPSPSC- C...C-PjC-PsC, PµC7P°PiC-C—, P° C, P°PePsP¶ PrP°PSC- C%PsPrPs P·P°C7C, PsC7CrPIP°PSPSC C PrC-C, CIPj PrP»C C P»C-PeCrPIP°PSPSC C PSCrPrPsC, Pë C- P±P»CHbPIP°PSPSC C, C7PiC7PëC±PëPSPµPSPëC... PiC7PsPjPµPSPµPIPsCH C, PµC7P°PiC-C"CH.

P PsP·C7P°C...CrPSPsPe PrPsP·Pë P·P° PiP»PsC%PµCH PiPsPIPMCHC...PSC- C, C-P»P°

P®PSPsC7Pj^{B®} C7P»C-Pr PIPsPrPëC, Pë P±PµP·PiPsC7PµPrPSCbPs PiPµC7PµPr

C...C-PjC-PsC, P_μC₇P°P_iC-C''C₇ C₇P°P·PsPIP_s PIPSC_rC, C₇C-C€PSC_HPsPIP_μPSPSP_s C_r PrPsP·C-5 PjPi/Pj²; PIPSC_rC, C₇C-C€PSC_HPsPIP_μPSPSP° PrPsP·P° PSP_μ P_iPsPIP_ePSPSP° P_iP_μC₇P_μPIP_eC%₀C_rPIP°C, P_e 8 PjPi. P_SP_μC₇P_μP· 12 P_iPsPrP_ePS PjPsP_¶PSP° C₇PsP·P_iPsC_†P_ePSP°C, P_e P_iP_μC₇PsC₇P°P»C_HPS_P_μ P·P°C_rC, PsC_rC_rPIP°PSPSC_¶ P_iC₇P_μP_iP°C₇P°C, C_r C- P_iC₇PsPrPsPIP_¶C_rPIP°C, P_e PrPs 5 PrPSC-PI (PrP_ePI. C, P°P±P»P_eC_†C₇ 1). P—P°P_iP°P»C_HPS_P° PrPsP±PsPIP° PrPsP·P° PsPSP_rP°PSC_rP_μC, C₇PsPSC_r (C₇PsP·PrC-P»P_μPSP° PSP° PrP_μPeC-P»C_HPeP° P_iC₇P_ePN_ePsPjC-PI) PSP_μ P_iPsPIP_ePSPSP° P_iP_μC₇P_μPIP_eC%₀C_rPIP°C, P_e PrPsP·C_r PrP»C_¶ PrPsC₇PsC_rP»P_eC... б₇“ 32 PjPi.

P₇P°P±P»P_eC_†C_¶ 1

P°PsP·C_rPIP°PSPSC_¶ P·P_iC-PrPSP_s P· P_iP»PsC%₀P_μC₇ P_iPsPIP_μC₇C...PSC- C, C-P»P° P_iC₇P_e PSC_rPrPsC, C- C- P±P»C_HPIP°PSPSC-, C_rP_iC₇P_eC_†P_ePSP_μPSP_eC... C...C-PjC-PsC, P_μC₇P°P_iC-C''C₇ C_r PrC-C, P_μPN_e PIC-PePsPj PIC-Pr 6 PjC-C_rC_¶C_†C-PI PrPs 17 C₇PsPeC-PI

P _μ P»PsC% ₀ P° P _i PsPIP _μ C ₇ C...PSC- C, C-P»P°, Pj ²	P°P _μ PSCH 1 ^(P°, b)	P°PSC- 2б ₇ “6 ^(b)
< 0,6	5 PjPi/Pj ² PIPSC _r C, C ₇ C-C€PSC _H PsPIP _μ PSPSP _s , P _i PsC, C-Pj 2 PjPi C _r P _e C ₇ PsP _i C _r C _† P _μ C ₇ P _μ P· 12 P _i PsPrP _e PS	2 PjPi C _r P _e C ₇ PsP _i C _r PePsP _¶ PSC- 12 P _i PsPrP _e PS
≥ 0,6 C, P° ≤ 1,2	5 PjPi/Pj ² PIPSC _r C, C ₇ C-C€PSC _H PsPIP _μ PSPSP _s , P _i PsC, C-Pj 4 PjPi C _r P _e C ₇ PsP _i C _r P°P±Ps C, P°P±P»P _μ C, PeP _e C _† P _μ C ₇ P _μ P· 12 P _i PsPrP _e PS	4 PjPi C _r P _e C ₇ PsP _i C _r P°P±Ps C, P°P±P»P _μ C, PeP _e PePsP _¶ PSC- 12 P _i PsPrP _e PS
> 1,2	5 PjPi/Pj ² P°P±Ps 8 PjPi PIPSC _r C, C ₇ C-C€PSC _H PsPIP _μ PSPSP _s , P _i PsC, C-Pj 8 PjPi C _r P _e C ₇ PsP _i C _r P°P±Ps C, P°P±P»P _μ C, PeP _e C _† P _μ C ₇ P _μ P· 12 P _i PsPrP _e PS	8 PjPi C _r P _e C ₇ PsP _i C _r P°P±Ps C, P°P±P»P _μ C, PeP _e PePsP _¶ PSC- 12 P _i PsPrP _e PS

^a P°PSC_rC, C₇C-C€PSC_HPsPIP_μPSPSP° PrPsP·P° PSP_μ P_iPsPIP_ePSPSP° P_iP_μC₇P_μPIP_eC%₀C_rPIP°C, P_e 8 PjPi.

^b P—P°P_iP°P»C_HPS_P° PrPsP±PsPIP° PrPsP·P° (C₇PsP·PrC-P»P_μPSP° PSP° PrP_μPeC-P»C_HPeP° P_iC₇P_ePN_ePsPjC-PI) PSP_μ P_iPsPIP_ePSPSP° P_iP_μC₇P_μPIP_eC%₀C_rPIP°C, P_e PrPsP·C_r PrP»C_¶ PrPsC₇PsC_rP»P_eC... б₇“ 32 PjPi.

P PsP·C₇P°C...C_rPSPsPe PrPsP·P_e P·P° PjP°C_rPsC₇ C, C-P»P°

P—P°P_iP°P»C_HPS_P° PrPsP±PsPIP° PrPsP·P°, C₇PsP·C₇P°C...PsPIP°PSP° P·P° PjP°C_rPsC₇ C, C-P»P°, C'' P±C-P»C_HC€PsC₇ P_iPsC₇C-PIPS_¶PSP_s C-P· P·P°P_iP°P»C_HPS_P°C₇ PrPsP±PsPIP_sC₇ PrPsP·PsC₇, C₇PsP·C₇P°C...PsPIP°PSP_sC₇ P·P° P_iP»PsC%₀P_μC₇ P_iPsPIP_μC₇C...PSC- C, C-P»P° (PrP_ePI. C₇PsP·PrC-P» B«P_HC_rPsP±P»P_ePIP_sC_rC, C-P·P°C_rC, PsC_rC_rPIP°PSPSC_¶B»).

P®PSPsCḡPj^{B®} CÍP»C-Pr PIPsPrPëC,Pë P±PµP·PİPsCÍPµCḡPµPrPSCḡPs PİPµCḡPµPr C...C-PjC-PsC,PµCḡP°PİC-C"CTḡ CḡP°P·PsPIPs PIPSCÍC,CḡC-C€PSCḡPsPIPµPSPSPs Cr PrPsP·C-0,15 PjPi/PePi PjP°CÍPë C,C-P»P°; PIPSCÍC,CḡC-C€PSCḡPsPIPµPSPSP° PrPsP·P° PSPµ PİPsPIPëPSPSP° PİPµCḡPµPIPëC‰CÍPIP°C,Pë 8 PjPi. Pj PİPsPrP°P»CHC€PsPjCr PjPsP¶P»PëPIPµ PIPµPrPµPSPSCİ PrPIPsC... PIPSCÍC,CḡC-C€PSCḡPsPIPµPSPSPëC... PrPsP· P· C-PSC,PµCḡPIP°P»PsPj 4 PİPsPrPëPSPë. P§PµCḡPµP· 12 PİPsPrPëPS PjPsP¶PSP° CḡPsP·PİPsC±PëPSP°C,Pë PİPµCḡPsCḡP°P»CHPSPµ P·P°CÍC,PsCÍCrPIP°PSPSCİ PİCḡPµPİP°CḡP°C,CÍ C- PİCḡPsPrPsPIP¶CÍPIP°C,Pë PrPs 5 PrPSC-PI (PrPëPI. C,P°P±P»PëC†CTḡ 2). P—P°PİP°P»CHPSP° PrPsP±PsPIP° PrPsP·P° PsPSPPrP°PSCÍPµC,CḡPsPSCÍ (CḡPsP·PrC-P»PµPSP° PSP° PrPµPeC-P»CHPeP° PİCḡPëPNëPsPjC-PI) PSPµ PİPsPIPëPSPSP° PİPµCḡPµPIPëC‰CÍPIP°C,Pë PrPsP·Cr PrP»Cİ PrPsCḡPsCÍP»PëC... бґ” 32 PjPi.

PŷP°P±P»PëC†Cİ 2

P”PsP·CÍPIP°PSPSCİ P·PİC-PrPSPs P· PjP°CÍPsCTḡ C,C-P»P° PİCḡPë PSCÍPrPsC,C- C- P±P»CḡPIP°PSPSC-, CÍPİCḡPëC±PëPSPµPSPëC... C...C-PjC-PsC,PµCḡP°PİC-C"CTḡ Cr PrC-C,PµPNë PIC-PePsPj PIC-Pr 6 PjC-CÍCİC†C-PI PrPs 17 CḡPsPeC-PI

PḡP°CÍP° C,C-P»P°, PePi	P”PµPSCḡ 1 ^(a, b)	P”PSC- 2Бґ”6 ^(b)
≤ 10	PrPs 3 PrPsP· PİPs 0,15 PjPi/PePi PIPSCÍC,CḡC-C€PSCḡPsPIPµPSPSPs PePsP¶PSC- 4 PİPsPrPëPSPë	2 PjPi CÍPëCḡPsPİCr PePsP¶PSC- 12 PİPsPrPëPS
> 10	PrPs 3 PrPsP· PİPs 0,15 PjPi/PePi PIPSCÍC,CḡC-C€PSCḡPsPIPµPSPSPs PePsP¶PSC- 4 PİPsPrPëPSPë	4 PjPi CÍPëCḡPsPİCr P°P±Ps C,P°P±P»PµC,PePë PePsP¶PSC- 12 PİPsPrPëPS

^a P’PSCÍC,CḡC-C€PSCḡPsPIPµPSPSP° PrPsP·P° PSPµ PİPsPIPëPSPSP° PİPµCḡPµPIPëC‰CÍPIP°C,Pë 8 PjPi.

^b P—P°PİP°P»CHPSP° PrPsP±PsPIP° PrPsP·P° (CḡPsP·PrC-P»PµPSP° PSP° PrPµPeC-P»CHPeP° PİCḡPëPNëPsPjC-PI) PSPµ PİPsPIPëPSPSP° PİPµCḡPµPIPëC‰CÍPIP°C,Pë PrPsP·Cr PrP»Cİ PrPsCḡPsCÍP»PëC... бґ” 32 PjPi.

PµP°C†C-C”PSC,Pë P»C-C,PSCHḡPsPiPs PIC-PeCé

PµP°C†C-C”PSC,Pë P»C-C,PSCHḡPsPiPs PIC-PeCÍ PSPµ PİPsC,CḡPµP±CÍCTḡC,CH PePsCḡPµPeC†C-C— PİPµCḡPsCḡP°P»CHPSPsC— PrPsP·Pë C±Pë C±P°CÍC,PsC,Pë PİCḡPëPNëPsPjCr P»C-PeP°CḡCÍCHPePsPiPs P·P°CÍPsP±CÍ P®PSPsCḡPj^{B®}.

PµC-CÍP»CİPsPİPµCḡP°C†C-PNëPSC- PSCéPrPsC,P° C- P±P»CḡPIP°PSPSCİ

P”PsCḡPsCÍP»C-

P”P»Cİ PİCḡPsC,,C-P»P°PeC,PëPePë PİC-CÍP»CİPsPİPµCḡP°C†C-PNëPSPëC... PSCÍPrPsC,Pë C- P±P»CḡPIP°PSPSCİ

PḡPSPPrP°PSCÍPµC,CḡPsPS PjPsP¶PSP° P·P°CÍC,PsCÍPsPICÍPIP°C,Pë PİPµCḡPsCḡP°P»CHPSPs, PIPSCÍC,CḡC-C€PSCḡPsPjБґ” CİP·PsPIPs P°P±Ps PIPSCÍC,CḡC-C€PSCḡPsPIPµPSPSPs.

P"PsCfPIC-Pr P·P°CfC,PsCfCfPIP°PSPSCl PsPSPrP°PSCfPµC,ChPsPSCr PrP»Cl
PiChPsC,,C-P»P°PeC,PëPePë C- P»C-PeCfPIP°PSPSCl PiC-CfP»ClPsPiPµChP°C†C-PNëPSPëC...
PSCfPrPsC,Pë C- P±P»ChPIP°PSPSCl Cr PiP°C†C-C"PSC,C-PI P»C-C,PSchPsPiPs PIC-PeCf
PsP±PjPµP¶PµPSPëPNë, PsPrPSP°Pe P»C-PeP°ChCfChPePëPNë P·P°CfC-P± PrPsP±ChPµ
PiPµChPµPSPsCfPëC,ChCfCl PiP°C†C-C"PSC,P°PjPë PIC-PePsPj PIC-Pr 65 ChPsPeC-PI, ClPeC-
PsC,ChPëPjCfChC,Ch C...C-PjC-PsC,PµChP°PiC-Ch.

P" P»Cl PsP±PsC... PiPsPeP°P·P°PSCH

PµP°C†C-C"PSC,Pë C-P. PiPsChCzCëPµPSPSClPjPë C,,CzPSPeC†C-C— PSPëChPsPe

PkPµPjP°C" PSPµPsP±C...C-PrPSPsCfC,C- P·PjC-PSChPIP°C,Pë PrPsP±PsPICr PrPsP·Cr,
C†P°CfC,PsC,Cr P·P°CfC,PsCfCfPIP°PSPSCl P°P±Ps CëP»ClC... PIPIPµPrPµPSPSCl
PsPSPrP°PSCfPµC,ChPsPSCr PiP°C†C-C"PSC,P°Pj C-P. PiPsChCzCëPµPSPSClPjPë
C,,CrPSPeC†C-C— PSPëChPsPe.

PµP°C†C-C"PSC,Pë C-P. PiPsChCzCëPµPSPSClPjPë C,,CzPSPeC†C-C— PiPµC†C-PSPePë

Pj PiP°C†C-C"PSC,C-PI C-P. PiPsChCzCëPµPSPSClPjPë C,,CrPSPeC†C-C— PiPµC†C-PSPePë
PiPsPjC-ChPSPsPiPs C,P° C,ClP¶PePsPiPs CfC,CrPiPµPSCl PeP»C-ChPµPSCf
P»C-PeP°ChCfChPePsPiPs P·P°CfPsP±Cr P®PSPsChPj^{B®} P·PSP°C†PSPs
P·PSPëP¶CfC"C,ChCfCl, P° PiPµChC-PsPr PSP°PiC-PIPIëPIPµPrPµPSPSCl C-P·
CfPëChPsPIP°C,PePë PeChPsPIC- P·PSP°C†PSPs P·P±C-P»ChCëCfC"C,ChCfCl. P" P»Cl
C,P°PePëC... PiP°C†C-C"PSC,C-PI PjP°PeCfPëPjP°P»ChPSP° PrPsP±PsPIP° PrPsP·P°
PiChPµPiP°ChP°C,Cr PSPµ PiPsPIPëPSPSP° PiPµChPµPIPëC‰CrPIP°C,Pë 8 PjPi.

*PµP°C†C-C"PSC,Pë P. PiPsPIC-P»ChPSPëPj PjPµC,P°P±PsP»C-P·PjPsPj
CfPiP°ChC,PµC—PSCz/PrPµP±ChPëP·PsC...C-PSCz*

Pj PiP°C†C-C"PSC,C-PI C-P. PiPsPIC-P»ChPSPëPj PjPµC,P°P±PsP»C-P·PjPsPj
CfPiP°ChC,PµC—PSCr/PrPµP±ChPëP·PsC...C-PSCr PiPµChC-PsPr
PSP°PiC-PIPIëPIPµPrPµPSPSCl PsPSPrP°PSCfPµC,ChPsPSCr PSPµ P·PjC-PSChC"C,ChCfCl.
PhC,P¶Pµ, PiChPë PiPsPIC,PsChPSPsPjCr PIPIPµPrPµPSPSC- PsPSPrP°PSCfPµC,ChPsPSCr
C,P°PePëPj PiP°C†C-C"PSC,P°Pj PNëPsPiPs PePsPSC†PµPSC,ChP°C†C-Cl PSPµ
PIC-PrChC-P·PSClC,PëPjPµC,ChCfCl PIC-Pr C,P°PePsC— Cr P·P°PiP°P»ChPSC-PNë
PiPsPiCfP»ClC†C-C—. PÿPsPjCr PePsChPµPeC†C-C— PrPsP±PsPIPsC— PrPsP·Pë P°P±Ps
C†P°CfC,PsC,Pë P·P°CfC,PsCfCfPIP°PSPSCl P»C-PeP°ChCfChPePsPiPs P·P°CfPsP±Cr PI
C†ChPsPjCr PiPëPiP°PrPeCf PSPµ PiPsC,ChC-P±PSPs.

P"C-C,Pë.

P»C-PeP°ChCfChPePëPNë P·P°CfC-P± P®PSPsChPj^{B®} P·P°CfC,PsCfPsPICrChC,Ch PrC-C,ClPj
PIC-PePsPj PIC-Pr 6 PjC-CfClC†C-PI (PiChPë C...C-PjC-PsC,PµChP°PiC-C—)
(PrPëPI. ChPsP·PrC-P»Pë B«PµPsPeP°P·P°PSPSClB» C- B«PÿPiPsCfC-P±
P·P°CfC,PsCfCfPIP°PSPSCl C,P° PrPsP·PëB»).

PµPµChPµPrPsP·CzPIP°PSPSCl.

PÿPëPjPiC,PsPjPë

P"°PSPëC... PïCĤPs PïPµCĤPµPrPsP·CřPIP°PSPSCĬ PsPSPrP°PSCřPµC, CĤPsPSPsPj
PSPµPrPsCřC, P°C, PSCHPs. PJ P±C-P»CHC€PsCřC, C- PIPëPïP°PrPeC-PI CřPëPjPïC, PsPjPë
CřC...PsP¶C- PSP° C, C-, C%Ps PsPïPëCřP°PSC- Cř PïP°C†C-C"°PSC, C-PI, CĬPePëPj
PIPIPsrPëP»Pë CĤPµPePsPjPµPSPrPsPIP°PSC- PrPsP·Pë (PrPëPI. CĤPsP·PrC-P»
B«PµPsP±C-C†PSC- CĤPµP°PeC†C-C-B»). PŸPµCĤPµPr PïCĤPsCĬPIC-PI
PïPµCĤPµPrPsP·CřPIP°PSPSCĬ PïPsPIC-PrPsPjP»CĬP»Pë PïCĤPs C, P°PeC-, CĬPe P·PsCĤPsPIC-
CĤPsP·P»P°PrPë, P·P°PïPsCĤ C, CĬP¶PePsPiPs CřC, CřPïPµPSCĬ, P°CĤC, PµCĤC-P°P»CHPSP°
PiC-PïPsC, PµPSP·C-CĬ, PIP°P·PsPIP°PiP°P»CHPSC- PïCĤPsCĬPIPë P·
C, CĤP°PSP·PëC, PsCĤPSPsCĤ P°C, CĤC-PsPIPµPSC, CĤPëPeCřP»CĬCĤPSPsCĤ
P±P»PsPeP°PrPsCĤ P†P† CřC, CřPïPµPSCĬ.

P®PSPsCĤPj^{B®} PïPsPrPsPIP¶CřC" C-PSC, PµCĤPIP°P» QT Cř PrPsP·PsP·P°P»PµP¶PSC-PNë
C,, PsCĤPjC-. PJ CĤP°P·C- PïPµCĤPµPrPsP·CřPIP°PSPSCĬ CĤPµPePsPjPµPSPrPsPIP°PSPs
PïCĤPsPIPµPrPµPSPSCĬ P·PŸP"-PjPsPSC-C, PsCĤPëPSPiCř.

P"C-C,Pë

P'CřP»Pë P·P°C,, C-PeCřPsPIP°PSC- PIPëPïP°PrPePë, C%Ps PIPeP°P·CřPIP°P»Pë PSP°
CřPµCĤPsC, PsPSC-PSPsPIPëPNë CřPëPSPrCĤPsPj, PïCĤPë PSPµPSP°PIPjPëCřPSPsPjCř
PïPµCĤPµPrPsP·CřPIP°PSPSC- PsPSPrP°PSCřPµC, CĤPsPSPsPj PrP»CĬ
PïPµCĤPsCĤP°P»CHPSPsPiPs P·P°CřC, PsCřCřPIP°PSPSCĬ (PrPsP·Pë
PïPµCĤPµPIPëC%CřPIP°P»Pë CĤPµPePsPjPµPSPrPsPIP°PSPëPNë CĤC-PIPµPSCĤ 4 PjPi/PePi
PjP°CřPë C, C-P»P°) Cř PrC-C, PµPNë PIC-PePsPj PIC-Pr 12 PjC-CřCĬC†C-PI PrPs 2 CĤPsPeC-PI.

P>C-PeCžPIP°PSPSCĬ

PŸPïPµC†PëC,, C-C†PSPsPiPs P°PSC, PëPrPsC, Cř PSPµ C-CřPSCřC", C, PsPjCř Cř CĤP°P·C-
PïPµCĤPµPrPsP·CřPIP°PSPSCĬ PSPµPsP±C...C-PrPSPs P·P°CřC, PsCřPsPICřPIP°C, Pë
CřPëPjPïC, PsPjP°C, PëC†PSCř C, P° PïC-PrC, CĤPëPjCřPIP°P»CHPSCř C, PµCĤP°PïC-CĤ.

PµPsPrP°P»CHC€Pµ P»C-PeCřPIP°PSPSCĬ PïPsPIPëPSPSPs P·PrC-PNëCřPSCĤPIP°C, PëCřCĬ P·P°
PeP»C-PSC-C†PSPëPjPë PïPsPeP°P·P°PSPSCĬPjPë.

P—P°CřC, PsCřCřPIP°PSPSCĬ C-PïPµPeP°PeCřP°PSPë PrP»CĬ P»C-PeCřPIP°PSPSCĬ
PïPµCĤPµPrPsP·CřPIP°PSPSCĬ PsPSPrP°PSCřPµC, CĤPsPSPsPj PSPµ
CĤPµPePsPjPµPSPrPsPIP°PSPs, PsCřPeC-P»CHPePë C—C— PrC-CĬ PSPµ PjPsP¶Pµ
PïCĤPsCĬPIPëC, PëCřCĤ C†PµCĤPµP· P°PSC, PëPµPjPµC, PëC†PSPëPNë PIPiP»PëPI
P»C-PeP°CĤCřCHPePsPiPs P·P°CřPsP±Cř P®PSPsCĤPj^{B®}.

PµPsP±C-C†PSC- CĤPµP°PeC†C-C—.

PµPsP±C-C†PSC- CĤPµP°PeC†C-C—, C-PSC,, PsCĤPjP°C†C-CĬ PïCĤPs CĬPeC- PSP°PIPµPrPµPSP°
PSPëP¶C†Pµ, PeP»P°CřPëC,, C-PePsPIP°PSC- P·P° PsCĤPiP°PSP°PjPë C- CřPëCřC, PµPjP°PjPë C, P°
P·P° C†P°CřC, PsC, PsCĤ C—C... PIPëPSPëPePSPµPSPSCĬ. P—P° C†P°CřC, PsC, PsCĤ
PIPëPSPëPePSPµPSPSCĬ PIPsPSPë CĤPsP·PïPsPrC-P»PµPSC- PSP° C, P°PeC-
PeP°C, PµPiPsCĤC—: PrCřP¶Pµ C†P°CřC, Ps (≥ 1/10), C†P°CřC, Ps (≥ 1/100 C, P° < 1/10),
PSPµC†P°CřC, Ps (≥ 1/1000 C, P° < 1/100), CĤC-PrPePs (≥ 1/10000 C, P° < 1/1000), PrCřP¶Pµ
CĤC-PrPePs (< 1/10000), C†P°CřC, PsC, P° PSPµPIC-PrPsPjP°. P"CřP¶Pµ C†P°CřC, C-, C†P°CřC, C-
C- PSPµC†P°CřC, C- PïPsP±C-C†PSC- CĤPµP°PeC†C-C— P±CřP»Pë PI PsCřPSPsPIPSsPjCř
PIPëCĬPIP»PµPSC- PïC-Pr C†P°Cř PeP»C-PSC-C†PSPëC... PrPsCřP»C-PrP¶PµPSCĤ.

PŠP°CÍČ,PSC,P° PIPëPİP°PrPeC-PI Cr PiCĤCrPiC- PİP»P°C†PµP±Ps C,P°PePsP¶ P±CÍP»P°
 PIP·CİC,P° PrPs CrPIP°PiPë. P C-PrPeC- C- PrCrP¶Pµ CĤC-PrPeC- PİPsP±C-C†PSC-
 CĤPµP°PeC†C-C— PİPµCĤPµPIP°P¶PSPs PIPëP·PSP°C†P°CĤC,CĤCÍČCİ P·C-
 CÍPİPsPSC,P°PSPSPëC... PrP°PSPëC..., PsC,CĤPëPjP°PSPëC... Cr
 PİPsCÍČ,PjP°CĤPePµC,PëPSPİPsPIPëPñ PİPµCĤC-PsPr.

PŠP°CÍČ,PSC,P° C†PëC... PIPëPİP°PrPeC-PI PsC†C-PSCĤPIP°P»P°CÍČCİ PİCĤPë PİCĤPëPñPsPjC-
 CÍČ,P°PSPPrP°CĤC,PSPëC... CĤPµPePsPjPµPSPPrPsPIP°PSPëC... C,PµCĤP°PİPµPIC,PëC†PSPëC...
 PrPsP· PsPSPPrP°PSCÍPµC,CĤPsPSCÍ. PµCĤPsC„C-P»CĤ PİPsP±C-C†PSPëC... CĤPµP°PeC†C-Pñ
 Cr PrC-C,PµPñ C,P° PİC-PrP»C-C,PëC-PI PIC-PrPİPsPIC-PrP°C” C,P°PePsPjCr P¶ Cr
 PrPsCĤPsCÍP»PëC....

PŸP°P±P»PëC†Cİ 3

<i>PµPsCĤCžC€PµPSPSCİ P· P±PsPeCž C-PjCžPSPSPsC— CÍPëCÍČC,PµPjPë</i>	
P C-PrPePs	CĤPµP°PeC†C-C— PİC-PrPIPëC%PµPSPsC— C†CrC,P»PëPIPSCÍČ,C- PSPµPiP°PñPSPsPiPs C,PëPİCr, C-PSPePsP»Pë C,CİP¶PëC-, PİPeP»CĤC†PSPs P· P°PSP°C„C-P»P°PeCÍČ-C”CĤ
<i>PkPµPICĤPsP»PsPiC-C†PSC- CĤPsP·P»P°PrPë</i>	
P”CÍP¶Pµ C†P°CÍČ,Ps	PİPsP»PsPIPSPëPñ P±C-P»CĤ
PkPµC†P°CÍČ,Ps	CÍCrPrPsPjPë, CĤCrC...PsPIC- PİPsCĤCrC€PµPSPSCİ (PİPeP»CĤC†PSPs P· PµPeCÍČ,CĤP°PİC-CĤP°PjC-PrPSPëPjPë CĤPµP°PeC†C-CİPjPë, C,P°PePëPjPë CİPe PrPëCÍČ,PsPSC-C†PSC- CĤPµP°PeC†C-C—, PsPeCÍP»PsPiC-CĤPSPëPj PeCĤPëP·PsPj C- PrPëCÍPëC-PSPµP·C-C”CĤ) ¹
P C-PrPePs	P·P°PİP°PjPsCĤPsC†PµPSPSCİ, PİPµCĤPµPIP°P¶PSPs PİC-Pr C†P°CÍ C€PİPëPrPePsPiPs PIPSCÍČ,CĤC-C€PSCĤPsPIPµPSPSPsPiPs PIPIPµPrPµPSPSCİ P»C-PeP°CĤCÍČĤPePsPiPs P·P°CÍPsP±Cr
<i>PµPsCĤCžC€PµPSPSCİ P· P±PsPeCž PsCĤPiP°PSC-PI P·PsCĤCž</i>	
P C-PrPePs	C,CĤP°PSP·PëC,PsCĤPSC- P·PsCĤPsPIC- CĤPsP·P»P°PrPë (PİPsPjCrC,PSC-PSPSCİ PI PsC†P°C...), PİPsP»PsPIPSPëPj C†PëPSPsPj PİC-Pr C†P°CÍ PIPSCÍČ,CĤC-C€PSCĤPsPIPµPSPSPsPiPs PIPIPµPrPµPSPSCİ
P”CÍP¶Pµ CĤC-PrPePs	C,CĤP°PSP·PëC,PsCĤPSP° CÍP»C-PİPsC,P°, PİPsP»PsPIPSPëPj C†PëPSPsPj PİC-Pr C†P°CÍ PIPSCÍČ,CĤC-C€PSCĤPsPIPµPSPSPsPiPs PIPIPµPrPµPSPSCİ ²
<i>PŸPµCĤC†PµPIC- CĤPsP·P»P°PrPë</i>	
PkPµC†P°CÍČ,Ps	P°CĤPëC,PjC-Cİ, P±C-P»CĤ Cr PiCĤCrPrCİC... (C-P· PrPµPİCĤPµCÍČ-C”CĤ CÍPµPiPjPµPSC,P° ST P°P±Ps P±PµP· PSPµC—), P±CĤP°PrPëPeP°CĤPrC-Cİ
P C-PrPePs	PİPsPrPsPIP¶PµPSPSCİ C-PSC,PµCĤPIP°P»Cr QTCÍ (PİPeP»CĤC†PSPs P· C,CĤPµPjC,C-PSPSCİPj/PjPµCĤPµC...C,C-PSPSCİPj C€P»CÍPSPsC†PeC-PI [torsade de pointes])
PŠP°CÍČ,PSC,P° PSPµPIC-PrPsPjP°	C-C€PµPjC-Cİ PjC-PsPeP°CĤPrP° (PrPëPI. CĤPsP·PrC-P» B«PhCÍPsP±P»PëPIPSCÍČ,C- P·P°CÍČ,PsCÍCrPIP°PSPSCİB»)

<i>PŸCžPrPëPSPSC- CĤPsP·P»P°PrPë</i>	
PŸP°CĤC,Ps	PIC-PrC†C†C,C,CĤ C,PµPİP»P° P°P±Ps PİCĤPëPİP»PëPIC-PI
PkPµC†P°CĤC,Ps	P°CĤC,PµCĤC-P°P»CHßPSP° PİC-PİPsC,PµPSP·C-CĤ
<i>PµPsCĤCžC€PµPSPSCĤ P· P±PsPëCž PrPëC...P°P»CHßPSPsC— CĤPëCĤC,PµPjPë, PsCĤPİP°PSC-PI PİCĤCžPrPSPsC— PëP»C-C,PëPë C,P° CĤPµCĤPµPrPsCĤC,C-PSPSCĤ</i>	
PkPµC†P°CĤC,Ps	PİPëPëP°PİPëP°
<i>PĖP»CžPSPëPsPİPs-PëPëC€PëPsPIC- CĤPsP·P»P°PrPë</i>	
PŸP°CĤC,Ps	P·P°PİPsCĤ
<i>P PsP·P»P°PrPë PİPµPİP°C,PsP±C-P»C-P°CĤPSPsC— CĤPëCĤC,PµPjPë</i>	
PkPµC†P°CĤC,Ps	P±PµP·CĤPëPjPİC,PsPjPSPµ PİC-PrPİPëC%PµPSPSCĤ PİPsPëP°P·PSPëPëC-PI C,,C†PSPëC†C-C— PİPµC†C-PSPëPë ³
¹ Pj CĤPİPsCĤC,PµCĤPµP¶PµPSPSCĤC... PIC-PrCĤC†C,PSC- PsCĤC,P°C,PsC†PSC- PrP°PSC- C%PsPrPs CĤC,C-PNëPëPëC... PëP»C-PSC-C†PSPëC... PSP°CĤP»C-PrPëC-PI. ² Pj P±C-P»CHßC€PsCĤC,C- CĤP°PİPsCĤC,PsPİP°PSPëC... PİPëPİP°PrPëC-PI CĤP»C-PİPsC,P° PjPëPSP°P»P° PİCĤPsC,CĤPİPsPj 20 C...PİPëP»PëPS. P·C-P»CHßC€C-CĤC,CH PİP°C†C-C”PSC,C-PI PsC,CĤPëPjC†PİP°P»Pë C...C-PjC-PsC,PµCĤP°PİPµPIC,PëC†PSC- P·P°CĤPsP±Pë, CĤPëC- PjC-CĤC,CĤC,CH C†PëCĤPİP»P°C,PëPS. P·C†P»Pë P·P°CĤPµC”CĤC,CĤPsPİP°PSC- PrPµCĤPëC- PİPëPİP°PrPëPë C,CĤP°PSP·PëC,PsCĤPSPsC— CĤP»C-PİPsC,Pë PëPsCĤC,PëPëP°P»CHßPSPsPİPs PİPsC...PsPrP¶PµPSPSCĤ. ³ PİC- PİPëPİP°PrPëPë CĤPİPsCĤC,PµCĤC-PİP°P»PëCĤCĤ PİPsP»PsPİPSPëPj C†PëPSPsPj C†PİP°C†C-C”PSC,C-PI, CĤPëC- PsC,CĤPëPjC†PİP°P»Pë C...C-PjC-PsC,PµCĤP°PİPµPIC,PëC†PSC- P·P°CĤPsP±Pë, C%Ps PjC-CĤC,CĤC,CH C†PëCĤPİP»P°C,PëPS.	

PµPsPIC-PrPsPjP»PµPSPSCĤ PİCĤPs PİC-PrPsP·CĤCĤPİP°PSC- PİPsP±C-C†PSC-
CĤPµP°PëC†C-C—

PµPsPIC-PrPsPjP»PµPSPSCĤ PİCĤPs PİC-PrPsP·CĤCĤPİP°PSC- PİPsP±C-C†PSC-
CĤPµP°PëC†C-C— PİC-CĤP»CĤ CĤPµC”CĤC,CĤP°C†C-C— P»C-PëP°CĤCĤPëPsPİPs
P·P°CĤPsP±C† C” PİP°P¶P»PëPİPsCĤ PİCĤPsC†PµPrC†CĤPsCĤ. PİPµ PrP°C” P·PjPsPİC†
PİCĤPsPrPsPİP¶C†PİP°C,Pë PjPsPSC-C,PsCĤPëPSPİ CĤPİC-PIPIC-PrPSPsC€PµPSPSCĤ
PëPsCĤPëCĤC,CH/CĤPëP·PëPë PrP»CĤ PIC-PrPİPsPIC-PrPSPsPİPs P»C-PëP°CĤCĤPëPsPİPs
P·P°CĤPsP±C†. PµPµPrPëC†PSPëPj PİCĤP°C†C-PIPSPëPëP°Pj PSPµPsP±C...C-PrPSPs
PİPsPIC-PrPsPjP»CĤC,Pë PİCĤPs P±C†PrCH-CĤPëC- PİC-PrPsP·CĤCĤPİP°PSC- PİPsP±C-C†PSC-
CĤPµP°PëC†C-C— C†PµCĤPµP· PSP°C†C-PsPSP°P»CHßPSC† CĤPëCĤC,PµPjC†
C,,P°CĤPjP°PëPsPSP°PİP»CĤPrC†.

PŸPµCĤPjC-PS PİCĤPëPrP°C,PSPsCĤC,C-. 2 CĤPsPëPë.

PŸPµCĤPjC-PS PİCĤPëPrP°C,PSPsCĤC,C- PİC-CĤP»CĤ PİPµCĤC€PsPİPs PIC-PrPëCĤPëC,C,CĤ BĤ”
28 PrPSC-PI.

PjPjPsPİPë P·P±PµCĤC-PİP°PSPSCĤ.

P—P±PµCĤC-PİP°C,Pë PİCĤPë C,PµPjPİPµCĤP°C,C†CĤC- PSPµ PİPëC%Pµ 30 B°PŸ PI

PsCḡPëPìC-PSP°P»CHḡPSC-PNḡ CíPĩP°PePsPIC†C-.

PḡPḡ P·P°PjPsCḡPsP¶CíPIP°C,Pë. P—P±PḡCḡC-PìP°C,Pë Cí PSPḡPrPsCḡC,CíPĩPSPsPjCí PrP»Cḡ PrC-C,PḡPNḡ PjC-CḡC†C-.

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PJPĩP°PePsPIPëP°.

PḡPs 50 PjP» Cí C„P»P°PePsPSC-; PĩPs 1 C„P»P°PePsPSCí P· PjC-CḡPSPëPj PĩCḡPëCḡC,CḡPsC”Pj Cí PìP°C†C†C-.

PḡP°C,PḡPìPsCḡC-Cḡ PIC-PrPĩCíCḡPeCí.

P—P° CḡPḡC†PḡPìC,PsPj.

P’PëCḡPsP±PSPëPe.

PŷPhP’ B«P®CḡC-Cḡ-PḡP°CḡPjB».

PḡC-CḡC†PḡP·PSP°C...PsPrP¶PḡPSPSCḡ PIPëCḡPsP±PSPëPeP° C,P° P°PrCḡPḡCḡP° PjC-CḡC†Cḡ PĩCḡPsPIP°PrP¶PḡPSPSCḡ PNḡPsPìPs PrC-CḡP»CHḡPSPsCḡC,C-.

PJPëCḡP°C—PSP°, 18030, PḡPḡCḡPeP°CḡCHḡPeP° PsP±P»., Pj. PḡPḡCḡPeP°CḡPë, PICíP». PḡPsP±P·P°CḡCḡCHḡPeP°, 108. PŷPḡP».: (044) 281-01-01.