

Р°РјС-РSPsC-РSPPrP°PS CIIPIP»CIIС” CГPsP±PsCГ P°PeC,РөPIPSРөPN PsCГPSPsPIPSРөPN PjPµC,P°P±PsP»C-C, C- PSpµ C” C-PSPiC-P±C-C,PsCГPsPj PᄡPᄡPᄡ-P’.

PᄡP»C-PSC-CᄡPSC- PrPsCГP»C-PrP¶PµPSPSCII. P•C,,PµPeC,РөPIPSC-CГC,CH
CГP°P·P°PiC-P»C-PSCr P±CГP»P° PICГC,P°PSPsPIP»PµPSP° CГ C,CГCHPsC...
PrPsCГP»C-PrP¶PµPSPSCIIС...: CIIPe PjPsPSPsC,PµCГP°PiPµPIC,РөCᄡPSPµ
P»C-PeCГPIP°PSPSCII PI PrPsCГP»C-PrP¶PµPSPSC- I C,P° CIIPe PrPsPrP°C,PePsPIP°
C,PµCГP°PiC-CII P»PµPIPsPrPsPiPө PI PrPsCГP»C-PrP¶PµPSPSCIIС... II C,P° III.

PᄡPsPSPsC,PµCГP°PiC-CII. PJ PrPsCГP»C-PrP¶PµPSPSC- I 404 PiP°CГC-C”PSC,Рө P±CГP»Pө
CГP°PSPPrPsPjPSPөPj CᄡPөPSPsPj CГPsP·PiPsPrC-P»PµPSC- PSP° PiCГCГPiPө: PiCГCГPiP° P·
PiCГPөP·PSP°CᄡPµPSPSCII Pj PiP»P°CГPµP±Ps PiCГPµPiP°CГP°C,CГ (138 PiP°CГC-C”PSC,C-PI),
PiCГCГPiP° P· PiCГPөP·PSP°CᄡPµPSPSCII Pj CГP°P·P°PiC-P»C-PSCr PiPs 1 PjPi PSP° PrPsP±CГ
(134 PiP°CГC-C”PSC,Рө) P°P±Ps CГP°P·P°PiC-P»C-PSCr PiPs 2 PjPi PSP° PrPsP±CГ (132
PiP°CГC-C”PSC,Рө) PiCГPsC,CIIPiPsPj 26 C,РөP¶PSC-PI P±PµP· P°PeC,РөPIPSРөPiPs
PiCГPµPiP°CГP°C,CГ PiPsCГC-PIPSCIIPSPSCII. PJ CГCHPsPjCГ PrPsCГP»C-PrP¶PµPSPSC-
PsCГPSPsPIPSРөPj PiPsPeP°P·PSPөPePsPj PµC,,PµPeC,РөPIPSРөCГC,C- P±CГP»P° P·PjC-PSP°
PiC-PrCГCГPjPePsIPsC— CГCГPjPө P±P°P»C-PI PJPSC-C,,C-PePsPIP°PSPsC— CөPeP°P»Pө
PsCГC-PSPөPө C...PIPsCГPsP±Pө PµP°CГPeC-PSCГPsPSP° (PJPөPᄡPГPᄡ, CᄡP°CГC,РөPSPө
IBᄡ“III) PIC-Pr PIPөC...C-PrPSPsPiPs CГC-PIPSCI. P C-P·PSPөCГCII PjC-P¶
CГPµCГPµPrPSC-PjPө P·PjC-PSP°PjPө PIC-Pr PIPөC...C-PrPSPsPiPs CГC-PIPSCI PrPs 26
C,РөP¶PSCII/PiCГPөPiPөPSPµPSPSCII (PµP”PᄡPᄡᄡᄡᄡ PjPµC,PsPr PiPµCГPµPSPµCГPµPSPSCII
PrP°PSPөC... PsCГC,P°PSPSCHPsPiPs CГPiPsCГC,PµCГPµP¶PµPSPSCII) P±CГP»P°
CГC,P°C,РөCГC,РөCᄡPSPs P·PSP°CᄡCГ%PsCГ (PJPөPᄡPГPᄡ, CᄡP°CГC,РөPSPө IBᄡ“III: PrP»CII 1
PjPi CГP°P·P°PiC-P»C-PSCr PiPsCГC-PIPSCIIPSPs P· PiP»P°CГPµP±Ps -4,2, PrPsPIC-CГCᄡPөPNө
C-PSC,PµCГPIP°P» (P”PГ) 95 % [-5,7; -2,7]; PNөPjPsPIC-CГPSC-CГC,CH PiPsPjPөP»PePө (CГ) <
0,0001; PrP»CII 2 PjPi CГP°P·P°PiC-P»C-PSCr PiPsCГC-PIPSCIIPSPs P· PiP»P°CГPµP±Ps -3,6, 95
% P”PГ [-5,0; -2,1]; p < 0,0001, PJPөPᄡPГPᄡᄡᄡᄡ CГCГC...PsPIP° P°PeC,РөPIPSC-CГC,CH,
CᄡP°CГC,РөPSP° II: PrP»CII 1 PjPi CГP°P·P°PiC-P»C-PSCr PiPsCГC-PIPSCIIPSPs P·
PiP»P°CГPµP±Ps -2,7, 95 % P”PГ [-3,87; -1,55], CГ < 0,0001; PrP»CII 2 PjPi
CГP°P·P°PiC-P»C-PSCr PiPsCГC-PIPSCIIPSPs P· PiP»P°CГPµP±Ps -1,68, 95 % P”PГ [-2,85; -0,51],
CГ = 0,0050). P PµP·CГP»CHC,P°C, P±CГPI PsCᄡPµPIPөPrPSPөPj, C...PsCᄡP° PNөPsPiPs
PIPµP»PөCᄡPөPSP° P±CГP»P° PSPµP·PSP°CᄡPSPsCГ PrP»CII PrP°PSPsC— PiCГCГPiPө
PiP°CГC-C”PSC,C-PI P· P»PµPiPePөPj PiPµCГPµP±C-PiPsPj C...PIPsCГPsP±Pө. P’CГP»Ps
PIC-PrP·PSP°CᄡPµPSPs P·PSP°CᄡPSPөPNө C- PiPsP·PөC,РөPIPSРөPNө PIPiP»PөPI PSP°
CIIPeC-CГC,CH P¶PөC,C,CII (P·P° CөPeP°P»PsCГ PD-QUALIF).

PᄡPrөᄡ™ CГPIP°PSC,PSP° C,PµCГP°PiC-CII. PJ PrPsCГP»C-PrP¶PµPSPSC- II
PiP°CГC-C”PSC,P°Pj P±CГP»Ps CГP°PSPPrPsPjPSPs PiCГPөP·PSP°CᄡPµPSPs PiCГPөPNөPsPj
PiP»P°CГPµP±Ps PiCГPµPiP°CГP°C,CГ (229 PiP°CГC-C”PSC,P°Pj), PiCГCГPiP° P·
PiCГPөP·PSP°CᄡPµPSPSCII CГP°P·P°PiC-P»C-PSCr PiPs 1 PjPi PSP° PrPsP±CГ (231
PiP°CГC-C”PSC,PsPIC-) P°P±Ps 200 PjPi PµPSC,P°PeP°PiPsPSCrᄡᄡᄡᄡ C-PSPiC-P±C-C,PsCГP°
PeP°C,PµC...PsP»-Pᄡ-PrPµC,РөP»C,CГP°PSCГC,,PµCГP°P·Pө (PᄡPᄡPᄡPᄡᄡ) CГP°P·PsPj C-P·
PiP»P°PSPsPIPөPjPө PrPsP·P°PjPө P»PµPIPsPrPsPiPө (P>P”)/C-PSPiC-P±C-C,PsCГP°
PrPµPeP°CГP±PsPeCГPөP»P°P·Pө (227 PiP°CГC-C”PSC,P°Pj) PiCГPsC,CIIPiPsPj 18 C,РөP¶PSC-PI.
PJ PrPsCГP»C-PrP¶PµPSPSC- III PiP°CГC-C”PSC,P°Pj P±CГP»Ps CГP°PSPPrPsPjPSPs
PiCГPөP·PSP°CᄡPµPSPs PiCГPөPNөPsPj PiP»P°CГPµP±Ps PiCГPµPiP°CГP°C,CГ (159
PiP°CГC-C”PSC,P°Pj), PiCГCГPiP° P· PiCГPөP·PSP°CᄡPµPSPSCII CГP°P·P°PiC-P»C-PSCr PiPs 0,5
PjPi PSP° PrPsP±CГ (164 PiP°CГC-C”PSC,P°Pj) P°P±Ps CГP°P·P°PiC-P»C-PSCr PiPs 1 PjPi PSP°
PrPsP±CГ (149 PiP°CГC-C”PSC,P°Pj) PiCГPsC,CIIPiPsPj 26 C,РөP¶PSC-PI. P’ PsP±PsC...
PrPsCГP»C-PrP¶PµPSPSCIIС... PsCГPSPsPIPSРөPjPө PiPsPeP°P·PSPөPeP°PjPө

P'CrPjPsPeC,CrPIP°PSPSClI. P P°P·P°PiC-P»C-PS C€PIPëPrPePs
PICrPjPsPeC,CrC"C,CHCrClI, PjP°PeCrPëPjP°P»CHPSP° PePsPSC†PμPSC,CḡP°C†C-CI
PI PiP»P°P·PjC- PeCḡPsPIC- (Pḡ_{max}) PrPsCrClIPiP°C"C,CHCrClI PiCḡPëP±P»PëP·PSPs
C†PμCḡPμP· 0,5 PiPsPrPëPSPë. PḡP±CrPsP»CḡC,PSP° P±C-PsPrPsCrC,CrPiPSC-CrC,CH
PiCḡPμPiP°CḡP°C,Cr PiC-CrP»CI PsPrPSPsPeCḡP°C,PSPsPiPs PiCḡPëPμPsPjCr
CḡP°P·P°PiC-P»C-PSCr CrC,P°PSPsPIPëC,CH 36 %. P†P¶P° PSPμ PIPiP»PëPIP°C" PSP°
C†P°Cr PrPsCrClIPiPSPμPSPSClI (Pḡ_{max}) PjP°PeCrPëPjP°P»CHPSPsC—
PePsPSC†PμPSC,CḡP°C†C-C— Cr PiP»P°P·PjC- PeCḡPsPIC-, PsPrPSP°Pe PiCḡPë
PIP¶PëPIP°PSPSC- P¶PëCḡPSPsC— C—P¶C- Pḡ_{max} C,P° PiP»PSc%oP° PiC-Pr

PeC₇P₆PIPsC₇ B«PePsPSC†P_μPSC,C₇P°C†C-C₇-C†P°C†B» (P_hUC)
P·PSP₆P¶C†C₇C,CHC†C₇CB PSP° 60 % C,P° 20 % PIC-PrP_iPsPIC-PrPSPs. HP°P·P°PiC-P»C-PS
PjPsP¶PSP° PiC₇P₆PN₆PjP°C,P₆ PSP_μP·P°P»P_μP¶PSPs PIC-Pr PiC₇P₆PN₆PsPjC† C—P¶C-.

P PsP·PiPsPrC-P». P₇P_μC₇P_μPrPSC-PN₆ PsP±B₇TM C”Pj C₇PsP·PiPsPrC-P»C† PiC-C†P»C₇
PsPrPSPsPeC₇P°C,PSPsPiPs PIPSC†C,C₇C-C€PSC₇PsPIP_μPSPSPsPiPs PIPiP_μPrP_μPSPSC₇
C₇P°P·P°PiC-P»C-PSC† C†C,P°PSPsPIP₆C,CH 243 P». P—PIB₇TM C₇P·C†PIP°PSPSC₇ P·
P±C-P»PeP°PjP₆ PiP»P°P·PjP₆ PeC₇PsPIC- PiC-C†P»C₇ PiP_μC₇PsC₇P°P»CHPSPsPiPs
PiC₇P₆PN₆PsPjC† PsPrPSPsPeC₇P°C,PSPsC— PrPsP·P₆ ¹⁴C-PjC-C†P_μPSPsPiPs
C₇P°P·P°PiC-P»C-PSC† PePsP»P₆PIP°C”C,CHC†C₇CB PIC-Pr 60 PrPs 70 %.

P_hP_μC,P°P±PsP»C-P·Pj. P P°P·P°PiC-P»C-PS PjP°PN₆P¶P_μ PiPsPIPSC-C†C,C₇ PiC-PrP»C₇PIP°C”
P±C-PsC,C₇P°PSC†C,,PsC₇PjP°C†C-C— PI PiP_μC†C-PSC†C-. P_hP_μC,P°P±PsP»C-P·Pj
P·PrC-PN₆C†PSC₇C”C,CHC†C₇CB PrPIPsPjP° PiPsP»PsPIPSP₆PjP₆ C€P»C₇CB...P°PjP₆:
C€P»C₇CB...PsPj N-PrP_μP°P»PeC-P»C†PIP°PSPSC₇ C,P°/P°P±Ps
PiC-PrC₇PsPeC†P₆P»C₇PIP°PSPSC₇ P· C†C,PIPsC₇P_μPSPSC₇Pj PjP_μC,P°P±PsP»C-C,C-PI: 1-
P°PjC-PSPsC-PSPrP°PSC†, 3-PiC-PrC₇PsPeC†P₆-N-PiC₇PsPiP°C₇PiC-P»-1-
P°PjC-PSPsC-PSPrP°PSC† C,P° 3-PiC-PrC₇PsPeC†P₆-1-P°PjC-PSPsC-PSPrP°PSC†.
P”PsC†P»C-PrP¶P_μPSPSC₇ *in vitro* PiPsPeP°P·P°P»P₆, C°%Ps PsP±P₆PrPIP° C€P»C₇CB...P₆
PjP_μC,P°P±PsP»C-P·PjC† C₇P°P·P°PiC-P»C-PSC† P·PrC-PN₆C†PSC₇C₇C,CHC†C₇CB P·P°
C†C†P°C†C,C₇ C-P·PsC,,P_μC₇PjP_μPSC,C†B CYP1A2 C†P₆C†C,P_μPjP₆ C†P₆C,PsC...C₇PsPjC† P450.
P’P₆PIP_μPrP_μPSPSC₇ C₇P°P·P°PiC-P»C-PSC† P·PrC-PN₆C†PSC₇C”C,CHC†C₇CB C†
PIP₆PIP»C₇PrC- PiP»C₇PeC†C₇PsPSC-PrPSP₆C... PePsPSB₇TM C₇PiP°C,C-PI C,P° PN₆PsPiPs
PjP_μC,P°P±PsP»C-C,C-PI.

P’P₆PIP_μPrP_μPSPSC₇. P_μC-C†P»C₇ PiP_μC₇PsC₇P°P»CHPSPsPiPs PiC₇P₆PN₆PsPjC† ¹⁴C-
PjC-C†P_μPSPsPiPs C₇P°P·P°PiC-P»C-PSC† PN₆PsPiPs PIP₆PIP_μPrP_μPSPSC₇
P·PrC-PN₆C†PSC₇C”C,CHC†C₇CB PiP_μC₇P_μPIP°P¶PSPs C-P· C†P_μC†P_μC₇ (62,6 %) C,P°
PjP_μPSC€PsC₇ PjC-C₇PsC₇ B₇” P· PeP°P»PsPj (21,8 %), PiPsPIPSP₆PN₆ PiP_μC₇C-PsPr
PIP₆PIP_μPrP_μPSPSC₇ 84,4 % PrPsP·P₆ C†C,P°PSPsPIP₆C,CH 38 PrPSC-PI. P_hP_μPSC€P_μ 1 %
PiC₇P_μPIP°C₇P°C,C† PIP₆PIPsPrP₆C,CHC†C₇CB P· C†P_μC†P_μC₇ PI PSP_μP·PjC-PSP_μPSPsPjC†
PIP₆PIP»C₇PrC-.

P>C-PSC-PN₆PSC-C†C,C₇/PSP_μP»C-PSC-PN₆PSC-C†C,C₇. P P°P·P°PiC-P»C-PSC†
PIP»P°C†C,P₆PIP° P»C-PSC-PN₆PSP° C,,P°C₇PjP°PePsPeC-PSP_μC,P₆PeP° PiC₇P₆ PiC₇P₆PN₆PsPjC-
C† PrPsP·C- 0,5–2 PjPi. P_μP_μC₇C-PsPr PSP°PiC-PIPIP₆PIP_μPrP_μPSPSC₇ C†C,P°PSPsPIP₆C,CH
0,6–2 PiPsPrP₆PSP₆.

P_hP°C₇PjP°PePsPeC-PSP_μC,P₆PeP° PI PsPeC₇P_μPjP₆C... PiC₇C†PiP°C... PiP°C†C-C”PSC,C-PI.

P_μP°C†C-C”PSC,P₆ P· PiP_μC†C-PSPePsPIPsC₇ PSP_μPrPsC†C,P°C,PSC-C†C,C₇. Pj
PiP°C†C-C”PSC,C-PI P· P»P_μPIPePsC₇ PiP_μC†C-PSPePsPIPsC₇ PSP_μPrPsC†C,P°C,PSC-C†C,C₇
C†PiPsC†C,P_μC₇C-PiP°P»PsC†C₇ PiC-PrPIP₆C°%P_μPSPSC₇ P·PSP°C†P_μPSCH P₇_{max} C,P° P_hUC
PSP° 80 % C,P° 38 % PIC-PrP_iPsPIC-PrPSPs. Pj PiP°C†C-C”PSC,C-PI C-P· C†P_μC₇P_μPrPSC₇PsC₇
PiP_μC†C-PSPePsPIPsC₇ PSP_μPrPsC†C,P°C,PSC-C†C,C₇ C†PiPsC†C,P_μC₇C-PiP°P»PsC†C₇
PiC-PrPIP₆C°%P_μPSPSC₇ P·PSP°C†P_μPSCH P₇_{max} C,P° P_hUC PSP° 568 % C,P° 83 %
PIC-PrP_iPsPIC-PrPSPs.

P_μP°C†C-C”PSC,P₆ P· PSP₆C₇PePsPIPsC₇ PSP_μPrPsC†C,P°C,PSC-C†C,C₇.
P_μP°C₇PjP_μC,C₇P₆ C,,P°C₇PjP°PePsPeC-PSP_μC,P₆PeP₆ C₇P°P·P°PiC-P»C-PSC†
PiC₇P°PeC,P₆C†PSPs PSP_μ P·PjC-PSC₇C₇C,CHC†C₇CB C† C...PIPsC₇P₆C... C-P·

PsPrPSPsC±P°CfPSPsPjCf P·P°CfC,PsCfCfPIP°PSPSC-. P—PIP°P¶P°CHC±Pë PSP° PҺPhPh-
C-PSPiC-P±CfCHC±Cf P°PeC,PëPIPSC-CfC,CH CҺP°P·P°PiC-P»C-PSCf, PSPµ
CҺPµPePsPjPµPSPrCfC”C,CHCfCf P№PsPiPs PsPrPSPsC±P°CfPSPµ P·P°CfC,PsCfCfPIP°PSPSCf
P· CfPëPjPiP°C,PsPjC-PjPµC,PëPeP°PjPë, C,P°PePëPjPë C¶Pe
CfCfPrPëPSPsP·PICfP¶CfPIP°P»CHPSC- PiCҺPµPiP°CҺP°C,Pë PrP»Cf
PiPµCҺPsCҺP°P»CHPSPsPiPs PiCҺPëP№PsPjCf P°P±Ps PrP»Cf PSP°P·P°P»CHPSPsPiPs
P·P°CfC,PsCfCfPIP°PSPSCf P°P±Ps C,P° P· PiCҺPsC,PëP·P°CfC,CfPrPSPëPjPë
PiCҺPµPiP°CҺP°C,P°PjPë, C%Ps PjC-CfC,CfC,CH PµC,,PµPrCҺPëPS P°P±Ps
PiCfPµPIPrPsPµC,,PµPrCҺPëPS.

P”PµPeCfC,CҺPsPjPµC,PsCҺC,,P°PS. PµPsPIC-PrPsPjP»CfP»PsCfCf PiCҺPs
PIP·P°C”PjPsPrC-CH PrPµPeCfC,CҺPsPjPµC,PsCҺC,,P°PSCf C,P° PSPµCfPµP»PµPeC,PëPIPSPëC...
C-PSPiC-P±C-C,PsCҺC-PI PҺPhPh PiCҺPë C—C... PsPrPSPsC±P°CfPSPsPjCf
P·P°CfC,PsCfCfPIP°PSPSC-. PŷPsPjCf, PsCfPeC-P»CHPePë CҺP°P·P°PiC-P»C-PS C”
P°PeC,PëPIPSPëPj C-PSPiC-P±C-C,PsCҺPsPj PҺPhPh, PSPµ CҺPµPePsPjPµPSPrCfC”C,CHCfCf
P№PsPiPs PsPrPSPsC±P°CfPSPµ P·P°CfC,PsCfCfPIP°PSPSCf P·
PrPµPeCfC,CҺPsPjPµC,PsCҺC,,P°PSPsPj.

PŷP†P—P—Pŷ/PŷP†P—P—Pќ, C,CҺPëC†PëPeP»C-C±PSC-/C,PµC,CҺP°C†PëPeP»C-C±PSC-
P°PSC,PëPrPµPiCҺPµCfP°PSC,Pë. PŷP»C-Pr CfPSPëPeP°C,Pë PsPrPSPsC±P°CfPSPsPiPs
P·P°CfC,PsCfCfPIP°PSPSCf CҺP°P·P°PiC-P»C-PSCf P· C,,P»CfPsPeCfPµC,PëPSPsPj C,P°
C,,P»CfPIPsPeCfP°PjC-PSPsPj (PrPëPI. CҺPsP·PrC-P» B«PҺCfPsP±P»PëPIPsCfC,C-
P·P°CfC,PsCfCfPIP°PSPSCfB»). PµPsPIC-PrPsPjP»CfP»PsCfCf PiCҺPs
CҺPsP·PIPëC,PsPe CfPµCҺP№PsP·PSPëC... PiPsP±C-C±PSPëC... CҺPµP°PeC†C-P№ PiCҺPë
PsPrPSPsC±P°CfPSPsPjCf P·P°CfC,PsCfCfPIP°PSPSC- CҺP°P·P°PiC-P»C-PSCf C-P·
CfPµP»PµPeC,PëPIPSPëPjPë C-PSPiC-P±C-C,PsCҺP°PjPë P·PIPsCҺPsC,PSPsPiPs
P·P°C...PsPiP»PµPSPSCf CfPµCҺPsC,PsPSC-PSCf (PŷP†P—P—Pŷ),
CfPµP»PµPeC,PëPIPSPëPjPë C-PSPiC-P±C-C,PsCҺP°PjPë P·PIPsCҺPsC,PSPsPiPs
P·P°C...PsPiP»PµPSPSCf CfPµCҺPsC,PsPSC-PSCf C- PSPsCҺP°PrCҺPµPSP°P»C-PSCf
(PŷP†P—P—Pќ), C,CҺPëC†PëPeP»C-C±PSPëPjPë/C,PµC,CҺP°C†PëPeP»C-C±PSPëPjPë
P°PSC,PëPrPµPiCҺPµCfP°PSC,P°PjPë C,P° C-PSPiC-P±C-C,PsCҺP°PjPë PҺPhPh (PrPëPI.
CҺPsP·PrC-P» B«PµPsP±C-C±PSC- CҺPµP°PeC†C-C—B»). PŷPsPjCf, PsCfPeC-P»CHPePë
CҺP°P·P°PiC-P»C-PS C” P°PeC,PëPIPSPëPj C-PSPiC-P±C-C,PsCҺPsPj PҺPhPh, CfP»C-Pr
P· PsP±PµCҺPµP¶PSC-CfC,CH P·P°CfC,PsCfPsPICfPIP°C,Pë CҺP°P·P°PiC-P»C-PS P·
P°PSC,PëPrPµPiCҺPµCfP°PSC,P°PjPë.

PµCҺPµPiP°CҺP°C,Pë, C%Ps PIPiP»PëPIP°CHC,CH PSP° P°PeC,PëPIPSC-CfC,CH CYP1PҺ2. In
vitro PiCҺPë PrPsCfP»C-PrP¶PµPSPSCfC... PjPµC,P°P±PsP»C-P·PjCf P±CfP»Ps
PIC-PrP·PSP°C±PµPSPs, C%Ps C-P·PsC,,PµCҺPjPµPSC, CYP1PҺ2 C†PëC,PsC...CҺPsPjCf P 450 C”
PiPsP»PsPIPSPëPj C,,PµCҺPjPµPSC,PsPj, PIC-PrPiPsPIC-PrP°P»CHPSPëPj P·P°
PjPµC,P°P±PsP»C-P·Pj CҺP°P·P°PiC-P»C-PSCf.

P†PSPiC-P±C-C,PsCҺPë CYP1PҺ2. PҺPrPSPsC±P°CfPSPµ P·P°CfC,PsCfCfPIP°PSPSCf
CҺP°P·P°PiC-P»C-PSCf C,P° C†PëPiCҺPsC,,P»PsPeCfP°C†PëPSCf (C-PSPiC-P±C-C,PsCҺPë
C-P·PsC,,PµCҺPjPµPSC,Cf CYP1PҺ2) PiC-PrPIPëC%CfCHC,CH AUC CҺP°P·P°PiC-P»C-PSCf PSP°
83 %. PҺPrPSPsC±P°CfPSPµ P·P°CfC,PsCfCfPIP°PSPSCf CҺP°P·P°PiC-P»C-PSCf C,P°
C,PµPsC,,C-P»C-PSCf (C-P·PsC,,PµCҺPjPµPSC, CYP1PҺ2) PSPµ PIPiP»PëPIP°CHC,CH PSP°
C,,P°CҺPjP°PePsPeC-PSPµC,PëPeCf CҺP°P·P°PiC-P»C-PSCf. PҺC,P¶Pµ, C-PSPiC-P±C-C,PsCҺPë
C-P·PsC,,PµCҺPjPµPSC,Cf PjPsP¶CfC,CH P·PjC-PSPëC,Pë CҺC-PIPµPSCH
CҺP°P·P°PiC-P»C-PSCf PI PiP»P°P·PjC- PeCҺPsPIC-, C,PsPjCf C—C... CfP»C-Pr

$P \cdot P^{\circ} C \Gamma C, PsC \Gamma C \Gamma P s P I C \Gamma P I P^{\circ} C, P \ddot{e} P \cdot P s P \pm P_{\mu} C \ddot{H} P_{\mu} P \parallel P S C - C \Gamma C, C \ddot{H}.$

$P \uparrow P S P r C \Gamma P e C, P s C \ddot{H} P \ddot{e} C Y P 1 A 2. P \uparrow C \Gamma P S C \Gamma C'' C \ddot{H} P \ddot{e} P \cdot P \ddot{e} P e C, P s P i P s, C \% P s C \Gamma P \cdot P I \ddot{B} \ddot{H}^{\text{TM}} C \ddot{H} P \cdot P e C \Gamma P \cdot$
 $C - P S P r C \Gamma P e C \uparrow C - C'' C \ddot{H} C - P \cdot P s C,, P_{\mu} C \ddot{H} P j P_{\mu} P S C, C \Gamma C Y P 1 A 2 P I P e C \Gamma C \ddot{H} C \uparrow C - P I P j P s P \parallel P_{\mu}$
 $P \cdot P j P_{\mu} P S C \ddot{e} P \ddot{e} C, P \ddot{e} C \Gamma C \ddot{H} P e P s P S C \uparrow P_{\mu} P S C, C \ddot{H} P^{\circ} C \uparrow C - C \ddot{H} C \ddot{H} P^{\circ} P \cdot P^{\circ} P i C - P \gg C - P S C \Gamma C P I P \ddot{P} P^{\circ} P \cdot P j C -$
 $P e C \ddot{H} P s P I C -.$

$P \uparrow P S C \ddot{e} C - C - P \cdot P s C,, P_{\mu} C \ddot{H} P j P_{\mu} P S C, P \ddot{e} C \uparrow P \ddot{e} C, P s C ... C \ddot{H} P s P j C \Gamma P 450. In vitro$
 $P r P s C \Gamma P \gg C - P r P \parallel P_{\mu} P S P S C \ddot{H} P i P s P e P^{\circ} P \cdot P^{\circ} P \gg P \ddot{e}, C \% P s C \ddot{H} P^{\circ} P \cdot P^{\circ} P i C - P \gg C - P S C \Gamma$
 $P e P s P S C \uparrow P_{\mu} P S C, C \ddot{H} P^{\circ} C \uparrow C - C - 1 P j P e P i / P j P \gg (C \% P s P_{\mu} P e P I C - P I P^{\circ} P \gg P_{\mu} P S C, P S P s$
 $P e P s P S C \uparrow P_{\mu} P S C, C \ddot{H} P^{\circ} C \uparrow C - C -, C \ddot{H} P e P^{\circ} P i P_{\mu} C \ddot{H} P_{\mu} P I P \ddot{e} C \% C \Gamma C'' P I 160 C \ddot{H} P^{\circ} P \cdot C \Gamma P_{\mu} C \ddot{H} P_{\mu} P r P S C \ddot{H}$
 $C_{\max} (5,9 - 8,5 P S P i / P j P \gg) P i C - C \Gamma P \gg C \ddot{H} P \pm P^{\circ} P i P^{\circ} C, P s C \ddot{H} P^{\circ} P \cdot P s P I P s P i P s P I P I P_{\mu} P r P_{\mu} P S P S C \ddot{H} 1 P j P i$
 $C \ddot{H} P^{\circ} P \cdot P^{\circ} P i C - P \gg C - P S C \Gamma P i P^{\circ} C \uparrow C - C'' P S C, P^{\circ} P j C - P \cdot C ... P I P s C \ddot{H} P s P \pm P s C \ddot{H} P_{\mu} P^{\circ} C \ddot{H} P e C - P S C \Gamma P s P S P^{\circ})$
 $P S P_{\mu} C - P S P i C - P \pm C \Gamma C'' C - P \cdot P s C,, P_{\mu} C \ddot{H} P j P_{\mu} P S C, P \ddot{e} C Y P 1 A 2, C Y P 2 A 6, C Y P 2 C 9, C Y P 2 C 19, C Y P 2 D 6,$
 $C Y P 2 E 1, C Y P 3 A 4 C - C Y P 4 A C \uparrow P \ddot{e} C, P s C ... C \ddot{H} P s P j C \Gamma P 450. P j P_{\mu} P j P s P \parallel P_{\mu} C \Gamma P I C - P r C \uparrow P \ddot{e} C, P \ddot{e}$
 $P i C \ddot{H} P s C, P_{\mu}, C \% P s C \ddot{H} P^{\circ} P \cdot P^{\circ} P i C - P \gg C - P S C \Gamma C, P_{\mu} C \ddot{H} P^{\circ} P i P_{\mu} P I C, P \ddot{e} C \uparrow P S P \ddot{e} C ...$
 $P e P s P S C \uparrow P_{\mu} P S C, C \ddot{H} P^{\circ} C \uparrow C - C \ddot{H} C ... P S P_{\mu} P j P s P \parallel P_{\mu} P I P i P \gg P \ddot{e} P I P^{\circ} C, P \ddot{e} P S P^{\circ} P j P_{\mu} C, P^{\circ} P \pm P s P \gg C - P \cdot P j$
 $C \uparrow P \ddot{e} C ... C - P \cdot P s C,, P_{\mu} C \ddot{H} P j P_{\mu} P S C, C - P I C, P^{\circ} P i C \ddot{H} P s C \ddot{H} P I P \gg C \ddot{H} C, P \ddot{e} P e P \gg C - P S C - C \uparrow P S P s$
 $P \cdot P S P^{\circ} C \uparrow C \Gamma C \% C - P_{\mu} C,, P_{\mu} P e C, P \ddot{e}.$

$P \gg P_{\mu} P I P s P r P s P i P^{\circ} C, P^{\circ} C - P S C \ddot{e} C - P i C \ddot{H} P s C, P \ddot{e} P i P^{\circ} C \ddot{H} P e C - P S C \Gamma P s P S C - C \uparrow P S C -$
 $P i C \ddot{H} P_{\mu} P i P^{\circ} C \ddot{H} P^{\circ} C, P \ddot{e}.$ $P \gg P_{\mu} P I P s P r P s P i P^{\circ} P i C \ddot{H} P \ddot{e} P s P r P S P s C \uparrow P^{\circ} C \Gamma P S P s P j C \Gamma$
 $P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P I P^{\circ} P S P S C - P \cdot C \ddot{H} P^{\circ} P \cdot P^{\circ} P i C - P \gg C - P S P s P j C \Gamma P i P^{\circ} C \uparrow C - C'' P S C, C - P I P \cdot$
 $C ... P I P s C \ddot{H} P s P \pm P s C \ddot{H} P_{\mu} P^{\circ} C \ddot{H} P e C - P S C \Gamma P s P S P^{\circ} P S P_{\mu} P I P \ddot{e} C \ddot{H} P I P \gg C \ddot{H} P \gg P^{\circ}$
 $P e P \gg C - P S C - C \uparrow P S P s P \cdot P S P^{\circ} C \uparrow C \Gamma C \% P s P i P s P I P i P \gg P \ddot{e} P I C \Gamma P S P^{\circ} P e P \gg C - C \ddot{H} P_{\mu} P S C \Gamma$
 $C \ddot{H} P^{\circ} P \cdot P^{\circ} P i C - P \gg C - P S C \Gamma. P_{\mu} C \ddot{H} P \ddot{e} P s P r P S P s C \uparrow P^{\circ} C \Gamma P S P s P j C \Gamma P i P_{\mu} C \ddot{H} P s C \ddot{H} P^{\circ} P \gg C \ddot{H} P S P s P j C \Gamma$
 $P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P I P^{\circ} P S P S C - C \ddot{H} P^{\circ} P \cdot P^{\circ} P i C - P \gg C - P S C \Gamma C, P^{\circ} B P_{\mu} P S C, P^{\circ} P e P^{\circ} P i P s P S C \Gamma$
 $P \cdot P \pm C - P \gg C \ddot{H} C \ddot{e} C \Gamma C'' C, C \ddot{H} C \Gamma C \ddot{H} P e P \gg C - C \ddot{H} P_{\mu} P S C \Gamma C \ddot{H} P^{\circ} P \cdot P^{\circ} P i C - P \gg C - P S C \Gamma P S P^{\circ} 28 \%$

$P \ddot{Y} P \ddot{e} C \ddot{H} P^{\circ} P j C - P S / C \ddot{H} P^{\circ} P \cdot P^{\circ} P i C - P \gg C - P S - P I P \cdot P^{\circ} C'' P j P s P r C - C -.$ $5 P e P \gg C - P S C - C \uparrow P S P \ddot{e} C ...$
 $P r P s C \Gamma P \gg C - P r P \parallel P_{\mu} P S C \ddot{H} P \cdot P^{\circ} C \Gamma C \uparrow P^{\circ} C \Gamma C, C \ddot{H} P r P s P \pm C \ddot{H} P s P I P s P \gg C \ddot{H} C \uparrow C - P I C, P^{\circ}$
 $P i P^{\circ} C \uparrow C - C'' P S C, C - P I P \cdot C ... P I P s C \ddot{H} P s P \pm P s C \ddot{H} P_{\mu} P^{\circ} C \ddot{H} P e C - P S C \Gamma P s P S P^{\circ} C, P^{\circ}$
 $C \ddot{H} P_{\mu} P \cdot C \Gamma P \gg C \ddot{H} C, P^{\circ} C, P \ddot{e} P e P s P S C, C \ddot{H} P s P \gg C \ddot{H} P^{\circ} C \ddot{H} C, P_{\mu} C \ddot{H} C - P^{\circ} P \gg C \ddot{H} P S P s P i P s C, P \ddot{e} C \Gamma P e C \Gamma$
 $P i C - C \Gamma P \gg C \ddot{H} C - P r P \ddot{e} (464 P i P^{\circ} C \uparrow C - C'' P S C, P \ddot{e} P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P s P I C \Gamma P I P^{\circ} P \gg P \ddot{e} 0,5 - 1 P j P i / P r P s P \pm C \Gamma$
 $C \ddot{H} P^{\circ} P \cdot P^{\circ} P i C - P \gg C - P S C \Gamma P^{\circ} P \pm P s P i P \gg P^{\circ} C \uparrow P_{\mu} P \pm P s C \ddot{H} P e P r P s P r P^{\circ} C, P e P s P I C \Gamma$
 $C, P_{\mu} C \ddot{H} P^{\circ} P i C - C \ddot{H} P r P s P \gg P_{\mu} P I P s P r P s P i P \ddot{e} P i C \ddot{H} P s C, C \ddot{H} P i P s P j 6 P j C - C \Gamma C \ddot{H} C \uparrow C - P I P \pm P_{\mu} P \cdot$
 $P s P \pm P j P_{\mu} P \parallel P_{\mu} P S P S C \ddot{H} P i C \ddot{H} P \ddot{e} P N e P s P j C \Gamma C, P \ddot{e} C \ddot{H} P^{\circ} P j C - P S C \Gamma) P i P s P e P^{\circ} P \cdot P^{\circ} P \gg P \ddot{e}, C \% P s$
 $P I C - P r C \Gamma C \Gamma C, P S C \ddot{H} P \pm C \Gamma P r C \ddot{H} C - C \ddot{H} P e P^{\circ} P I P \cdot P^{\circ} C'' P j P s P r C - C \ddot{H} C \ddot{H} P^{\circ} P \cdot P^{\circ} P i C - P \gg C - P S C \Gamma C, P^{\circ}$
 $C, P \ddot{e} C \ddot{H} P^{\circ} P j C - P S C \Gamma, C, P s P j C \Gamma C \ddot{H} P^{\circ} P \cdot P^{\circ} P i C - P \gg C - P S P j P s P \parallel P S P^{\circ}$
 $P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P s P I C \Gamma P I P^{\circ} C, P \ddot{e} P S P^{\circ} C, P \gg C - P r C - C'' C, P \ddot{e} P \pm P_{\mu} P \cdot P s P \pm P j P_{\mu} P \parallel P_{\mu} P S P S C \ddot{H}$
 $P i C \ddot{H} P \ddot{e} P N e P s P j C \Gamma C, P \ddot{e} C \ddot{H} P^{\circ} P j C - P S C \Gamma.$

$P \ddot{H} C \Gamma P s P \pm P \gg P \ddot{e} P I P s C \Gamma C, C - P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \ddot{e} P I P^{\circ} P S P S C \ddot{H}.$

$P \ddot{H} P r P S P s C \uparrow P^{\circ} C \Gamma P S P_{\mu} P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P I P^{\circ} P S P S C \ddot{H} C \ddot{H} P^{\circ} P \cdot P^{\circ} P i C - P \gg C - P S C \Gamma P \cdot C - P S C \ddot{e} P \ddot{e} P j P \ddot{e}$
 $P \gg C - P e P^{\circ} C \ddot{H} C \Gamma C \ddot{H} P e P \ddot{e} P j P \ddot{e} P \cdot P^{\circ} C \Gamma P s P \pm P^{\circ} P j P \ddot{e}.$ $P \ddot{Y} P \gg C - P r C \Gamma P S P \ddot{e} P e P^{\circ} C, P \ddot{e}$
 $C \Gamma C \Gamma P i C \Gamma C, P S C \ddot{H} P s P i P s P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P I P^{\circ} P S P S C \ddot{H} C \ddot{H} P^{\circ} P \cdot P^{\circ} P i C - P \gg C - P S C \Gamma C, P^{\circ}$
 $C,, P \gg C \Gamma P s P e C \Gamma P_{\mu} C, P \ddot{e} P S C \Gamma P^{\circ} P \pm P s C,, P \gg C \Gamma P I P s P e C \Gamma P^{\circ} P j C - P S C \Gamma (P r P \ddot{e} P I. C \ddot{H} P s P \cdot P r C - P \gg$

PIPİP»PëPIP°C,Pë PSP° C€PIPëPrPeC-ClC,CH CḡPμP°PeC†C-C— PİCḡPë
PePμCḡCfPIP°PSPSC- P°PIC,PsC,CḡP°PSCfPİPsCḡC,PsPj P°P±Ps C-PSC€PëPjPë
PjPμC...P°PSC-P·PjP°PjPëB»).

*P PsP·P»P°PrPë PePsPSC,CḡPsP»Cḡ PSP°Pr ClPİPsPSCáPeP°PSPSClPj. P PsP·P»P°PrPë
PePsPSC,CḡPsP»Cḡ PSP°Pr ClPİPsPSCfPeP°PSPSClPj PjPsP¶CfC,CH PIPëPSPëPeP°C,Pë
Cf PİP°C†C-C”PSC,C-PI, ClPeC- PİCḡPëPNëPjP°CḡC,CH P°PiPsPSC-ClC,Pë
PrPsC,,P°PjC-PSCf C,P°/P°P±Ps
PİCḡPsC...PsPrClC,CH PrPsC,,P°PjC-PSPμCḡPiC-C†PSCf C,PμCḡP°PiC-Cḡ.
PμPsPIC-PrPsPjP»PμPSPSCl PİCḡPs PİPsPrC-P±PSC- PIPëPİP°PrPePë CḡPsP·P»P°PrC-PI
PePsPSC,CḡPsP»Cḡ PSP°Pr ClPİPsPSCfPeP°PSPSClPj P±CfP»Pë PsC,CḡPëPjP°PSC-
PrP»Cl CḡP°P·P°PiC-P»C-PSCf Cf PİPsClC,PjP°CḡPePμC,PëPSPIPsPIPëPNë
PİPμCḡC-PsPr. PŸC,P°PS PİP°C†C-C”PSC,C-PI ClP»C-Pr PİPsClC,C-PNëPSPs
PİPμCḡPμPIC-CḡClC,Pë C%PsPrPs PSP°ClPIPSPsClC,C- CḡPsP·P»P°PrC-PI
PePsPSC,CḡPsP»Cḡ PSP°Pr ClPİPsPSCfPeP°PSPSClPj. PμP°C†C-C”PSC,C-PI C,P°
PsClC-P±, ClPeC- PrPsPiP»ClPrP°CḡC,CH P·P° PSPëPjPë, PSPμPsP±C...C-PrPSPs
PİPsC-PSC,,PsCḡPjCfPIP°C,Pë PİCḡPs P·PjC-PSPë Cf PİPsPIPμPrC-PSC†C-, C%Ps
ClPIC-PrC†P°C,CH PİCḡPs CḡPsP·P»P°PrPë PePsPSC,CḡPsP»Cḡ PSP°Pr
ClPİPsPSCfPeP°PSPSClPjPë, ClPeC- ClPİPsClC,PμCḡC-PiP°P»PëClCl Cf
PİP°C†C-C”PSC,C-PI PİC-Pr C†P°Cl PİCḡPëPNëPsPjCf CḡP°P·P°PiC-P»C-PSCf,
PIPëP»CḡC†P°CḡC†Pë PePsPjPİCfP»CHClC-C—, PSP°PIbḡ™ ClP·P»PëPIC- PrCfPjPePë,
PİP°C,PsP»PsPiC-C†PSPëPNë PİPsC,ClPi PrPs P°P·P°CḡC,PSPëC... C-PiPsCḡ,
PiC-PrPIPëC%PμPSPSCl P»C-P±C-PrPs, PiC-PİPμCḡClPμPeClCfP°P»CHPSC-ClC,CH,
C-PjPİCfP»CHClPëPIPSCl PİPsPIPμPrC-PSPeCf, P° C,P°PePsP¶
PİP°C,PsP»PsPiC-C†PSPëPNë PİPsC,ClPi PrPs PIPëC,CḡP°C†P°PSPSCl PİCḡPsC€PμPNë
P°P±Ps PİCḡPëPrP±P°PSPSCl CḡPμC†PμPNë.*

PμPμP»P°PSPsPjP°. P—P° PrP°PSPëPjPë CḡPμC,CḡPsClPİPμPeC,PëPIPSPsPiPs
PePsPiPsCḡC,PSPsPiPs PrPsClP»C-PrP¶PμPSPSCl PİCḡPëPİCfClPeP°C”C,CHClCl
PjPsP¶P»PëPIPμ PiC-PrPIPëC%PμPSPSCl CḡPëP·PëPeCf CḡPsP·PIPëC,PeCf PjPμP»P°PSPsPjPë
PİCḡPë P·P°ClC,PsClCfPIP°PSPSC- CḡP°P·P°PiC-P»C-PSCf, PsClPsP±P»PëPIPs Cf CḡP°P·C-
C,CḡPëPIP°P»PsPiPs P·P°ClC,PsClCfPIP°PSPSCl C,P°/P°P±Ps P·P°ClC,PsClCfPIP°PSPSCl
PIPëClPsPePsC— PeCfPjCfP»ClC,PëPIPSPsC— PrPsP·Pë CḡP°P·P°PiC-P»C-PSCf. P’CfPrCH-
ClPeC- PİC-PrPsP·CḡC-P»C- CfCḡP°P¶PμPSPSCl C€PeC-CḡPë PİPsPIPëPSPSC- P±CfC,Pë
PsP±ClC,PμP¶PμPSC- C,,P°C...C-PIC†PμPj. PμP°C†C-C”PSC,P°Pj ClP»C-Pr
CḡPμPePsPjPμPSPrCfPIP°C,Pë PİCḡPë PİPsClPIC- P±CfPrCH-ClPePsPiPs PSPsPiPsPiPs C†Pë
P·PjC-PSC- PIP¶Pμ C-ClPSCfCḡC†PsPiPs PİPsCḡCfC€PμPSPSCl P· P±PsPeCf C€PeC-CḡPë
P·PIPμCḡPSCfC,PëClCl P·P° PePsPSCfCfP»CHC,P°C†C-C”Cḡ PrPs PrPμCḡPjP°C,PsP»PsPiP°.

PμPμC†C-PSPePsPIP° PSPμPrPsClC,P°C,PSC-ClC,CH. PŸP»C-Pr P·
PsP±PμCḡPμP¶PSC-ClC,Cḡ CḡPsP·PİPsC†PëPSP°C,Pë C,PμCḡP°PiC-Cḡ
CḡP°P·P°PiC-P»C-PSPsPj Cf PİP°C†C-C”PSC,C-PI P· P»PμPiPePëPj ClC,CfPİPμPSPμPj
CfCḡP°P¶PμPSPSCl PİPμC†C-PSPePë. PkPμPsP±C...C-PrPSPs CfPSPëPeP°C,Pë
P·P°ClC,PsClCfPIP°PSPSCl CḡP°P·P°PiC-P»C-PSCf PİP°C†C-C”PSC,P°Pj P·
CfCḡP°P¶PμPSPSClPj PİPμC†C-PSPePë ClPμCḡPμPrPSCHPsPiPs ClC,CfPİPμPSCl
C,ClP¶PePsClC,C-. Pj CḡP°P·C- PİCḡPsPiCḡPμClCfPIP°PSPSCl
PİPμC†C-PSPePsPiPsPiPs CfCḡP°P¶PμPSPSCl PIC-Pr P»PμPiPePsPiPs PrPs
ClPμCḡPμPrPSCHPsPiPs ClC,CfPİPμPSCl P»C-PeCfPIP°PSPSCl

СҒP°P·P°PiC-P»C-PSPsPj CГP»C-Pr PiCҒPөPiPөPSPөC,Pө.

*P—P°CГC,PsCГCзPIP°PSPSCЦ Cз PiPμCҒC-PsPr PIP°PiC-C,PSPsCГC,C- P°P±Ps
PiPsPrCзPIP°PSPSCЦ PiCҒCзPrPrCҒ.*

P'P°PiC-C,PSC-CГC,CH. PкPμPjP°C" PeP»C-PSC-CзPSPөC... PrP°PSPөC... C%oPsPrPs
P·P°CГC,PsCГCрPIP°PSPSCЦ CҒP°P·P°PiC-P»C-PSCр PIP°PiC-C,PSPөPj.
P"PsCГP»C-PrP¶PμPSPSCЦ PSP° C,PIP°CҒPөPSP°C... PSPμ PiPsPeP°P·P°P»Pө PiCҒCЦPjPsPiPs
C,P° PSPμPiCҒCЦPjPsPiPs CөPeC-PrP»PөPiPsPiPs PIPiP»PөPICр PSP°
CҒPμPiCҒPsPrCрPeC,PөPIPCр C,PsPeCГPөCзPSC-CГC,CH. PiPe P·P°PiPsP±C-P¶PSPөPNө
P·P°C...C-Pr P±P°P¶P°PSPs CрPSPөPeP°C,Pө P·P°CГC,PsCГCрPIP°PSPSCЦ CҒP°P·P°PiC-P»C-PSCр
PiC-Pr CзP°CГ PIP°PiC-C,PSPsCГC,C-.

PμPμCҒC-PsPr PiPsPrCрPIP°PSPSCЦ PiCҒCрPrPrCҒ. P"PsPeP»C-PSC-CзPSC- PrP°PSC-
CГPIC-PrCзP°C,CH, C%oPs CҒP°P·P°PiC-P»C-PS C-PSPiC-P±CрC" CГPμPeCҒPμCзC-CҒ
PiCҒPsP»P°PeC,PөPSCр C-, CЦPe PSP°CГP»C-PrPsPe, PiCҒPөPiPSC-CзCрC" P»P°PeC,P°CзC-CҒ.
PкPμPIC-PrPsPjPs, CзPө PiCҒPsPSPөPeP°C" CҒP°P·P°PiC-P»C-PS PI PiCҒCрPrPSPμ PjPsP»PsPePs.
PҮP»C-Pr P· PsP±PμCҒPμP¶PSC-CГC,CH PiCҒPөP·PSP°CзP°C,Pө CҒP°P·P°PiC-P»C-PS Cр
PiPμCҒC-PsPr PiPsPrCрPIP°PSPSCЦ PiCҒCрPrPrCҒ.

PαPμCҒC,PөP»CHPSC-CГC,CH. PкPμPjP°C" PrP°PSPөC... C%oPsPrPs PIPiP»PөPICр
CҒP°P·P°PiC-P»C-PSCр PSP° C,,PμCҒC,PөP»CHPSC-CГC,CH Cр P»CҒPrPμPNө.
P"PsPeP»C-PSC-CзPSC- PrP°PSC- PIPeP°P·CрCҒC,CH PSP° C,Pμ, C%oPs CҒP°P·P°PiC-P»C-PS
PSPμ PIPiP»PөPIP°C" PSP° C,,PμCҒC,PөP»CHPSC-CГC,CH.

*P—PrP°C,PSC-CГC,CH PIPiP»PөPIP°C,Pө PSP° CөPIPөPrPeC-CГC,CH CҒPμP°PeCзC-C— PiCҒPө
PePμCҒCзPIP°PSPSC- P°PIC,PsC,CҒP°PSCГPiPsCҒC,PsPj P°P±Ps C-PSCөPөPjPө
PjPμC...P°PSC-P·PjP°PjPө.*

P P°P·P°PiC-P»C-PS PjPsP¶Pμ PIPiP»PөPIP°C,Pө PSP° P·PrP°C,PSC-CГC,CH
PePμCҒCрPIP°C,Pө P°PIC,PsC,CҒP°PSCГPiPsCҒC,PsPj P°P±Ps PiCҒP°CзCҒPIP°C,Pө P·
C-PSCөPөPjPө PjPμC...P°PSC-P·PjP°PjPө Cр PiP°CзC-C"PSC,C-PI, CЦPeC-
PIC-PrCзCрPIP°CҒC,CH CГPsPSP»PөPIC-CГC,CH/CҒP°PiC,PsPIC- PμPiC-P·PsPrPө CГPSCр.
PμP°CзC-C"PSC,P°Pj CГP»C-Pr P±CрC,Pө PsP±PμCҒPμP¶PSPөPjPө PiCҒPө PePμCҒCрPIP°PSPSC-
P°PIC,PsC,CҒP°PSCГPiPsCҒC,PsPj P°P±Ps CҒPsP±PsC,C- P·C- CГPeP»P°PrPSPөPjPө
PjPμC...P°PSC-P·PjP°PjPө PiPsPePө PIPsPSPө PSPμ P±CрPrCрC,CH PIPiPμPIPSPμPSC-, C%oPs
CҒP°P·P°PiC-P»C-PS PSPμ PjP°C" CөPeC-PrP»PөPiPsPiPs PIPiP»PөPICр.

PμP°CзC-C"PSC,Pө, CЦPeC- P»C-PeCрCҒC,CHCГCЦ CҒP°P·P°PiC-P»C-PSPsPj C,P° Cр
CЦPePөC... PIPөPSPөPeP»P° CГPsPSP»PөPIC-CГC,CH C,P°/P°P±Ps CҒP°PiC,PsPIC-
PμPiC-P·PsPrPө CГPSCр, PiPsPIPөPSPSC- P±CрC,Pө PiCҒPsC-PSC,,PsCҒPjPsPIP°PSC-
PiCҒPs CрC,CҒPөPjP°PSPSCЦ PIC-Pr PePμCҒCрPIP°PSPSCЦ
C,CҒP°PSCГPiPsCҒC,PSPөPjPө P·P°CГPsP±P°PjPө P°P±Ps CрCзP°CГC,C- PI
PrC-CЦP»CHPSPsCГC,C-, PiC-Pr CзP°CГ CЦPePsC— CзPμCҒPμP· PsCГP»P°P±P»PμPSCр
PiPөP»CHPSC-CГC,CH PIPsPSPө PjPsP¶CрC,CH PSP°CҒP°P¶P°C,Pө CГPμP±Pμ P°P±Ps
C-PSCөPөC... PSP° PSPμP±PμP·PiPμPeCр PsC,CҒPөPjP°PSPSCЦ CГPμCҒPNөPsP·PSPsC—
C,CҒP°PIPjPө P°P±Ps CГPjPμCҒC,C- (PSP°PiCҒPөPeP»P°Pr, PiCҒPө

CṛPīCṬP°PIP»C-PSPSC- PjP°C€PēPSPSPēPj PsP±P»P°PrPSP°PSPSCḶPj), PīPsPePē
 PIPsPSPē PSPμ PSP°P±CṛP»Pē PrPsCṬC,P°C,PSCHbPsPiPs PrPsCṬPIC-PrCṛ
 P»C-PeCṛPIP°PSPSCḶ CṬP°P·P°PiC-P»C-PSPsPj C,P° C-PSC€PēPjPē
 PrPsC,,P°PjC-PSPμCṬPiC-C‡PSPēPjPē P·P°CṬPsP±P°PjPē, C°PsP± PsC†C-PSPēC,Pē,
 C‡Pē PIPiP»PēPIP°CṬC,CH PIPsPSPē PSPμCṬPīCṬPēCḶC,P»PēIPs PSP° C—C...
 CṬPsP·CṛPjPsPICṛ C,P°/P°P±Ps CṬCṛC...PsPICṛ P°PeC,PēPIPSC-CṬC,CH. PīPeC°Ps
 PīPsCṬPēP»PμPSPSCḶ CṬPsPSP»PēIPsCṬC,C- P°P±Ps PSPsPIC- PμPīC-P·PsPrPē
 CṬP°PiC,PsPIPsPiPs P·P°CṬPēPSP°PSPSCḶ CṬPīPsCṬC,PμCṬC-PiP°CṬC,CHCṬCḶ PīC-Pr
 C‡P°CṬ PīPsPICṬCḶPePrPμPSPSPsC— PrC-CḶP»CHbPSPsCṬC,C- (PSP°PīCṬPēPeP»P°Pr,
 PīPμCṬPμPiP»CḶPrCṛ C,PμP»PμPIC-P·PsCṬP°, PīPsC—P·PrC†C- PI P°PIC,PsPjPsP±C-P»C-
 PI CḶPePsCṬC,C- PīP°CṬP°P¶PēCṬP°) P±CṛPrCHb-PePsP»Pē PīC-Pr C‡P°CṬ
 P»C-PeCṛPIP°PSPSCḶ, C,Ps PīP°C†C-C”PSC,P°Pj PSPμ CṬP»C-Pr PePμCṬCṛPIP°C,Pē
 P°PIC,PsC,CṬP°PSCṬPīPsCṬC,PsPj P°P±Ps P±CṬP°C,Pē CṛC‡P°CṬC,CH Cṛ
 PīPsC,PμPSC†C-PNēPSPs PSPμP±PμP·PīPμC‡PSPēC... PIPēPrP°C...
 PrC-CḶP»CHbPSPsCṬC,C-. PμP°C†C-C”PSC,Pē PSPμ PīPsPIPēPSPSC- PePμCṬCṛPIP°C,Pē
 P°PIC,PsC,CṬP°PSCṬPīPsCṬC,PsPj, CṛPīCṬP°PIP»CḶC,Pē PjPμC...P°PSC-P·PjP°PjPē
 P°P±Ps PIPēPePsPSCṛPIP°C,Pē PIPēCṬPsC,PSC- CṬPsP±PsC,Pē PīC-Pr C‡P°CṬ
 P»C-PeCṛPIP°PSPSCḶ, CḶPeC°Ps PIPsPSPē CṬP°PSC-C€Pμ PIC-PrC‡CṛPIP°P»Pē
 CṬPsPSP»PēPIC-CṬC,CH C,P°/P°P±Ps CṬP°PiC,PsPIC- PSP°PīP°PrPē
 P·P°CṬPēPSP°PSPSCḶ P±PμP· PīPsPīPμCṬPμPrP¶PμPSPSCḶ PīPμCṬPμPr
 P·P°CṬC,PsCṬCṛPIP°PSPSCḶPj CṬP°P·P°PiC-P»C-PSCṛ. PμP°C†C-C”PSC,C-PI CṬP»C-Pr
 PīPsPīPμCṬPμPrP¶P°C,Pē PīCṬPs PjPsP¶P»PēPIC- P°PrPēC,PēPIPSC- PμC,,PμPeC,Pē
 CṬPμPrP°C,PēIPSPēC... P·P°CṬPsP±C-PI, P°P»PePsPiPsP»CṬ P°P±Ps C-PSC€PēC...
 PrPμPīCṬPμCṬP°PSC,C-PI C†PμPSC,CṬP°P»CHbPSPsC— PSPμCṬPIPSPsC—
 CṬPēCṬC,PμPjPē (PSP°PīCṬPēPeP»P°Pr, P±PμPSP·PsPrC-P°P·PμPīC-PSPē,
 P°PSC,PēPīCṬPēC...PsC,PēPePē, P°PSC,PēPrPμPīCṬPμCṬP°PSC,Pē) Cṛ CṬP°P·C- C—C...
 P·P°CṬC,PsCṬCṛPIP°PSPSCḶ PI PePsPjP±C-PSP°C†C-C— P· CṬP°P·P°PiC-P»C-PSPsPj
 P°P±Ps PīCṬPē PīCṬPēPNēPsPjC- CṬCṛPīCṛC,PSC-C... PīCṬPμPīP°CṬP°C,C-PI, CḶPeC-
 P·P±C-P»CHbC€CṬC,CH PīP»P°P·PjPsPIC- CṬC-PIPSC- CṬP°P·P°PiC-P»C-PSCṛ
 (PSP°PīCṬPēPeP»P°Pr, C†PēPīCṬPsC,,P»PsPeCṬP°C†PēPS) (PrPēPI. CṬPsP·PrC-P»
 B«PhCṬPsP±P»PēIPsCṬC,C- P·P°CṬC,PsCṬCṛPIP°PSPSCḶB»).

PŸPīPsCṬiP± P·P°CṬC,PsCṬCṛPIP°PSPSCḶ C,P° PrPsP·Pē.

P PμP¶PēPj PrPsP·CṛPIP°PSPSCḶ. P P°P·P°PiC-P»C-PS PīCṬPēP·PSP°C‡P°CṬC,CH
PīPμCṬPsCṬP°P»CHbPSPs PI PrPsP·C- 1 PjPi 1 CṬP°P· PSP° PrPsP±Cṛ. PμCṬPμPīP°CṬP°C,
PjPsP¶PSP° P·P°CṬC,PsCṬPsPICṛPIP°C,Pē PSPμP·P°P»PμP¶PSPs PIC-Pr PīCṬPēPNēPsPjCṛ C—P¶C-.

PμP°C†C-C”PSC,Pē P»C-C,PSCHbPsPiPs PIC-PeCṛ. P”P»CḶ PīP°C†C-C”PSC,C-PI
P»C-C,PSCHbPsPiPs PIC-PeCṛ PePsCṬPμPeC†C-CḶ PrPsP·Pē PSPμ PīPsC,CṬC-P±PSP°.

PμP°C†C-C”PSC,Pē P· PīPsCṬCṛC€PμPSPSCḶPj C,,CṛPSPeC†C-C— PīPμC‡C-PSPePē. B PŸP»C-Pr
CṛPSPēPeP°C,Pē P·P°CṬC,PsCṬCṛPIP°PSPSCḶ CṬP°P·P°PiC-P»C-PSCṛ PīP°C†C-C”PSC,P°Pj C-P·
CṬPμCṬPμPrPSC-Pj CṬC,CṛPīPμPSPμPj PīPμC‡C-PSPePsPIPsC— PSPμPrPsCṬC,P°C,PSPsCṬC,C-
C,P° P· PsP±PμCṬPμP¶PSC-CṬC,CH CṬPsP·PīPsC‡PēPSP°C,Pē C,PμCṬP°PiC-CH
PīP°C†C-C”PSC,P°Pj P· P»PμPiPePēPj CṬC,CṛPīPμPSPμPj PīPμC‡C-PSPePsPIPsC—
PSPμPrPsCṬC,P°C,PSPsCṬC,C-. Pj PIPēPīP°PrPeCṛ PīCṬPsPīCṬPμCṬCṛPIP°PSPSCḶ

PiPμC‡C-PSPePsPIPsC— PSPμPrPsCfC,P°C,PSPsCfC,C- PIC-Pr P»PμPiPePsPiPs PrPs
CfPμCfPμPrPSCfPsPiPs CfC,CfPiPμPSCf C,CfPμPμPePsCfC,C- P»C-PeCfPIP°PSPSCf
CfP°P·P°PiC-P»C-PSPsPj CfP»C-Pr PiCfPēPiPēPSPēC,Pē.

PμP°C‡C-C"psc,Pē P· PiPsCfCfCfPμPSPSCfPj C,,CfPSPeC‡C-C— PSPēCfPμPe. P"P»Cf
PiP°C‡C-C"psc,C-PI P· PiPsCfCfCfPμPSPSCfPj C,,CfPSPeC‡C-C— PSPēCfPμPe
PePsCfPμPeC‡C-Cf PrPsP·Pē PSPμ PiPsC,CfC-P±PSP°.

P"C-C,Pē.

PSPμCfPμP· PSPμPrPsCfC,P°C,PSC-CfC,Cf PrP°PSPēC... C%PsPrPs
P·P°CfC,PscCfCfPIP°PSPSCf PiCfPμPiP°CfP°C,Cf PrC-C,CfPj PSPμ
CfPμPePsPjPμPSPPrCfCfC,Cf P·P°CfC,PscCfPsPICfPIP°C,Pē CP°PiC-P»C-Cf^{B®}
PrP°PSC-PNē PeP°C,PμPiPsCfC-C— PiP°C‡C-C"psc,C-PI.

PμPμCfPμPrPsP·CzPIP°PSPSCf.

PfPēPjPiC,PspjPē. PfPēPjPiC,PspjPē PiPμCfPμPrPsP·CfPIP°PSPSCf PfP°PiC-P»C-C—^{B®}
PiCfPē P·P°CfC,PscCfCfPIP°PSPSC- PrPsP· PIC-Pr 3 PjPi PrPs 100 PjPi: PiC-PiPsPjP°PSC-Cf,
PiC-PiPμCfC,PμPSP·PēPIPSPēPNē PeCfPēP· C,P° CfPμCfPμPs,PSPSC-PSPsPIPēPNē
CfPēPSPPrCfPμPj. PμPμCfPμPrPsP·CfPIP°PSPSCf PjPsPμPμ P±CfC,Pē PiPsPiBf™ CfP·P°PSPμ
P·C- P·PSP°C‡PSPēPj C-PSPiC-P±CfPIP°PSPSCfPj PμPμPμPμ-Pμ C,P° PμPμPμ-P'·
B PμCfPμPIPsPrPēP»Pē PrPsCfP»C-PrPμPμPSPSCf PsPrPSPsCfP°P·PsPIPsPiPs
P·P°CfC,PscCfCfPIP°PSPSCf P»C-PeP°CfCfCfPePsPiPs P·P°CfPsP±Cf P·P° CfC‡P°CfC,Cf
P·PrPsCfPμPIPēC... PrPsP±CfPμPIPsP»CfC‡C-PI, CfPeC- PsC,CfPēPjCfPIP°P»Pē 20 PjPi PSP°
PrPsP±Cf, C,P° 10-PrPμPSPSPμ PrPsCfP»C-PrPμPμPSPSCf P·P° CfC‡P°CfC,Cf
P·PrPsCfPμPIPēC... PrPsP±CfPμPIPsP»CfC‡C-PI, CfPeC- PsC,CfPēPjCfPIP°P»Pē 10 PjPi 1
CfP°P· PSP° PrPsP±Cf. PμPsPIC-PrPsPjP»CfP»PscCfCf PiCfPs PiPsP±C-C‡PSC-
CfPμP°PeC‡C-C— P»PμPiPePsPiPs P°P±Ps PiPsPjC-CfPSPsPiPs CfC,CfPiPμPSCf
C,CfPμPμPePsCfC,C- C,P° PiPsP±C-C‡PSC- CfPμP°PeC‡C-C—, CfPeC- PSPμ PSP°P»PμPμP°P»Pē
PrPs C,PēC..., C%Ps PjPsPμCfC,Cf PIPēPSPēPePSCfC,Pē PIPSP°CfP»C-PrPsPe
P»C-PeCfPIP°PSPSCf CfP°P·P°PiC-P»C-PSPsPj. PμC-Pr C‡P°Cf PrPsCfP»C-PrPμPμPSPSCf
C-P· P·P°CfC,PscCfCfPIP°PSPSCfPj PIPēCfPsPePēC... PrPsP· CfP°P·P°PiC-P»C-PSCf Cf
PiP°C‡C-C"psc,C-PI, CfPeC- PsC,CfPēPjCfPIP°P»Pē PiPsCfC,C-PNēPSCf
C,PμCfP°PiC-Cf P»PμPIPsPrPsPiPsCf C,P° CfP°P·P°PiC-P»C-PSPsPj Cf PrPsP·C- 10
PjPi/PrPsP±Cf, PiPsPIC-PrPsPjP»CfP»PscCfCf PiCfPs PiPsP±C-C‡PSC-
CfPμP°PeC‡C-C— P· P±PsPeCf CfPμCfC‡PμPIPs-CfCfPrPēPSPSPsC— CfPēCfC,PμPjPē
(PIPeP»CfC‡P°CfC‡Pē P°CfC,PμCfC-P°P»CfPSCf PiC-PiPμCfC,PμPSP·C-Cf C,P°
PiPsCfC,CfCfP°P»CfPSCf PiC-PiPsC,PμPSP·C-Cf), C%Ps PjPēPSP°P»Pē PiC-CfP»Cf
PIC-PrPjC-PSPē P»C-PeCfPIP°PSPSCf. PjC- CfPēPjPiC,PspjPē CfC...PsPμC- P· C,PēPjPē,
CfPeC- CfPiPsCfC,PμCfC-PiP°P»PēCfCf PiCfPē PiPμCfPμPrPsP·CfPIP°PSPSC-
PSPμCfPμP»PμPeC,PēPIPSPēPjPēB C-PSPiC-P±C-C,PscCfP°PjPē PμPμPμ.

P»C-PeCfPIP°PSPSCf. PfPiPμC‡PēC,,C-C‡PSC- PjPμC,PspPrPē P»C-PeCfPIP°PSPSCf
PSPμPIC-PrPsPjC-. Pj CfP°P·C- PiPμCfPμPrPsP·CfPIP°PSPSCf CfP»C-Pr PiCfPsPIPsPrPēC,Pē
CfPμC,PμP»CfPSPēPNē PjPsPSC-C,PscCfPēPSPi CfC,P°PSCf PiP°C‡C-C"psc,C-PI,

C,P_μC₇P°P_iC-C₁ C₁P_ēP_jP_iC,P_sP_jP°C,P_ēC_±PSP° C,P° P_iC-PrC,C₇P_ēP_jC₁C₇C_±P°.

P_μP_sP_±iC_±PSi C₇P_μP°P_ēC₁iC—.

P P_μP·C₇P_jP_μ P_iC₇P_sC,,C-P»C₇ P_±P_μP·P_iP_μP_ēP_ē. P'C-PrP_sP_jP_s, C%_oP_s C₁
P_ēP»C-PSC-C_±PSP_ēC... PrP_sC₁P»C-PrP₁P_μPSPSC₁C... C₁ P_iP°C₁C-C''PSC,C-PI C-P·
C...PIP_sC₇P_sP_±P_sC₇ P_μP°C₇P_ēC-PSC₁P_sPSP° PSP°P_NC_±P°C₁C,C-C_ēP_μ
P_iP_sPIC-PrP_sP_jP»C₁P»P_sC₁C₁ P_iC₇P_s C,P°P_ēC- P_iP_sP_±C-C_±PSC- C₇P_μP°P_ēC₁C-C—:
P_iP_sP»P_sPIPSP_ēP_N P_±C-P»C₇H, PrP_μP_iC₇P_μC₁C-C₁, P·P°P_iP°P_jP_sC₇P_sC_±P_μPSPSC₁ C,P°
P_iC₇P_ēP_iP_sP_iP_sPrC-P_±PSC- C₁P_ēP_jP_iC,P_sP_jP_ē (P_iC₇P_ēP_i C,P° C₇P_ēPSC-C,) P_iC₇P_ē
P_jP_sPSP_sC,P_μC₇P°P_iC-C—; PrP_ēC₁P_ēC-PSP_μP·C-C₁, P_sC₇C,P_sC₁C,P°C,P_ēC_±PSP°
P_iC-P_iP_sC,P_μPSP·C-C₁, P_iP°PrC-PSPSC₁, P_±C-P»C₇H C₁ P₁P_ēPIP_sC,C-, PSC₁PrP_sC,P°,
P_±P»C₇PIP°PSPSC₁ C,P° C₁C₁C...C-C₁C,C₇H C₁ C₇P_sC,C- C₁P_ē PrP_sP_iP_sPIPSP_μPSPSC₁
PrP_s C,P_μC₇P°P_iC-C— P»P_μPIP_sPrP_sP_iP_sC₇; P_ēC-C₁C,P_ēP_sPIP_s-P_jβ₇[™] C₁P·P_sPIP_ēP_N
P_±C-P»C₇H, C,P°P_ēP_N C₁P_ē P_±C-P»C₇H C₁ C₁P_iP_ēPSC- C,P° C_ēP_ēC—,
P°C₇C,C₇P°P»P_iC-C₁ PI P_sP_±P_sC... C₁C...P_μP_jP°C.... P_iC- P_iP_sP_±C-C_±PSC-
C₇P_μP°P_ēC₁C-C— PSP_μ P_±C₁P»P_ē P_iP_sPIβ₇[™] C₁P·P°PSC- P· P_iC-PrPIP_ēC%_oP_μPSP_sC₇
C_ēPIP_ēPrP_ēC-C₁C,C₇ PIC-PrP_jC-PSP_ē P_iC₇P_μP_iP°C₇P°C,C₁. P''P»C₁ P_sC₁C-PSP_ēP_ē
C_±P°C₁C,P_sC,P_ē P_iP_sP_±C-C_±PSP_ēC... C₇P_μP°P_ēC₁C-P_N PIP_ēP_ēP_sC₇P_ēC₁C,P°PSP_s
C,P°P_ēC₁ P_ēP»P°C₁P_ēC,,C-P_ēP°C₁C-C₇: PrC₁P₁P_μ C_±P°C₁C,P_s (³ 1/10), C_±P°C₁C,P_s (³ 1/100
PrP_s < 1/10), PSP_μC_±P°C₁C,P_s (³ 1/1000 PrP_s < 1/100), C₇C-PrP_ēP_s
B B B B B B B B B B B B B B B B (³ 1/10000 PrP_s < 1/1000), PrC₁P₁P_μ C₇C-PrP_ēP_s (< 1/10000),
C_±P°C₁C,P_sC,P° PSP_μPIC-PrP_sP_jP° (PSP_μP_jP_sP₁P»P_ēPIP_s P_sC₁C-PSP_ēC,P_ē P·P°
PSP°C₁PIPSP_ēP_jP_ē PrP°PSP_ēP_jP_ē).

P_μP_sPSP_sC,P_μC₇P°P_iC-C₁. P_kP_ēP₁C_±P_μ PSP°PIP_μPrP_μPSP_s P_iP_sP_±C-C_±PSC-
C₇P_μP°P_ēC₁C-C—, P_iC₇P_s C₁P_ēC- P_iP_sPIC-PrP_sP_jP»C₁P»P_sC₁C₁ P· PIP_ēC%_oP_sC₇
C_±P°C₁C,P_sC,P_sC₇ PI P_iC₇P_sC₁P_μC₁C- P_iP»P°C₁P_μP_±P_s-
P_ēP_sPSC,C₇P_sP»C₇H_sPIP°PSP_ēC... PrP_sC₁P»C-PrP₁P_μPSC₇H C₁ P_iP°C₁C-C''PSC,C-PI,
C₁P_ēC- P·P°C₁C,P_sC₁P_sPIC₁PIP°P»P_ē C₇P°P·P°P_iC-P»C-PS C₁ PrP_sP·C- 1 P_jP_i PSP°
PrP_sP_±C₁.

P₁PSC,,P_μP_ēC₁C-C— C,P° C-PSPIP°P·C-C—. P_sP°C₁C,P_s: P_iC₇P_ēP_i.

P''P_sP_±C₇P_sC₁P_ēC-C₁PSC-, P·P»P_sC₁P_ēC-C₁PSC- C,P° PSP_μP·β₇[™] C₁C₁P_sPIP°PSC-
PSP_sPIP_sC₁C,P_iP_sC₇P_μPSPSC₁ (PIP_ēP»C₇H_sC_±P°C₇H_sC_±P_ē P_ēC-C₁C,P_ē C,P° P_iP_sP»C-P_iP_ē).
P_sP°C₁C,P_s: P_ēP°C₇C₁P_ēPSP_sP_jP° C_ēP_ēC-C₇P_ē.

P— P_±P_sP_ēC₁ P_ēC₇P_sPIP_sPSP_sC₁PSP_sC— C,P° P»C-P_jC,,P°C,P_ēC_±PSP_sC— C₁P_ēC₁C,P_μP_jP_ē.
P_sP°C₁C,P_s: P»P_μP_NP_ēP_sP_iP_μPSC-C₁.

P— P_±P_sP_ēC₁ C-P_jC₁PSPSP_sC— C₁P_ēC₁C,P_μP_jP_ē. P_sP°C₁C,P_s: P°P»P_μC₇P_iC-C₁.

P_μP_sC₇C₁C_ēP_μPSPSC₁ P_sP_±P_jC-PSC₁ C₇P_μC_±P_sPIP_ēPS C,P° C...P°C₇C₁C₁PIP°PSPSC₁.
P_kP_μC_±P°C₁C,P_s: P·PSP_ēP₁P_μPSPSC₁ P°P_iP_μC,P_ēC,C₁.

P_μC₁P_ēC...C-C_±PSC- C₇P_sP·P»P°PrP_ē. P_sP°C₁C,P_s: PrP_μP_iC₇P_μC₁C-C₁,
B P_iP°P»C₇C₁P_ēPSP°C₁C-C—. P_sP°C₁C,P_sC,P° PSP_μPIC-PrP_sP_jP°: P_iP_sC₇C₁C_ēP_μPSPSC₁*

PePsPSC,CTjPsP»CT C-PjPiCfP»CHCfC-PI*.

$P - P \pm PsPeC \acute{z} PSP_{\mu}CTjPIPsPIPsC - C \acute{I}P \ddot{e}C \acute{I}C, P_{\mu}PjP \ddot{e}$. $P''C \acute{I}P \P P_{\mu} C \ddot{z} P^{\circ}C \acute{I}C, Ps: PiPsP \gg PsPIPSP \ddot{e}PN_{\acute{z}}$
 $P \pm C - P \gg CH$. $P \acute{K}P_{\mu}C \ddot{z} P^{\circ}C \acute{I}C, Ps: C \ddot{I}P_{\mu}CTjP_{\mu}P \pm CTjPsPIP^{\circ}C \acute{I}PeC \acute{I}P \gg C \acute{I}CTjPSC -$
 $PiPsCTjC \acute{I}C \acute{e}P_{\mu}PSPSC \acute{I}$. $P \S P^{\circ}C \acute{I}C, PsC, P^{\circ} PSP_{\mu}PIC - PrPsPjP^{\circ}: C \acute{I}P_{\mu}CTjPsC, PsPSC - PSPsPIP \ddot{e}PN_{\acute{z}}$
 $C \acute{I}P \ddot{e}PSP \acute{r}CTjPsPj^{*}, PSP^{\circ}PrPjC - CTjPSP^{\circ} PrP_{\mu}PSPSP^{\circ} C \acute{I}PsPSP \gg P \ddot{e}PIC - C \acute{I}C, CH C, P^{\circ}$
 $P_{\mu}PiC - P \cdot PsPrP \ddot{e} CTjP^{\circ}PiC, PsPIPsPiPs PSP^{\circ}C \acute{I}C, P^{\circ}PSPSC \acute{I} C \acute{I}PSC \acute{r}^{*}$.

$P - P \pm PsPeC \acute{z} PsCTjPiP^{\circ}PSC - PI P \cdot PsCTjC \acute{z}$. $P \S P^{\circ}C \acute{I}C, Ps: PePsPSB \acute{I}^{\text{TM}} CTjPSPeC, P \ddot{e}PIC - C, .$

$P - P \pm PsPeC \acute{z} PsCTjPiP^{\circ}PSC - PI C \acute{I}P \gg C \acute{z} C \dots C \acute{z} C, P^{\circ} P \gg P^{\circ}P \pm C - CTjP \ddot{e}PSC, C \acute{z}$. $P \S P^{\circ}C \acute{I}C, Ps:$
 $P \cdot P^{\circ}PiP^{\circ}PjPsCTjPsC \ddot{z} P_{\mu}PSPSC \acute{I}$.

$P - P \pm PsPeC \acute{z} C \acute{I}P_{\mu}CTjC \ddot{I}C \acute{I}$. $P \S P^{\circ}C \acute{I}C, Ps: C \acute{I}C, P_{\mu}PSPsPeP^{\circ}CTjPrC - C \acute{I}$. $P \acute{K}P_{\mu}C \ddot{z} P^{\circ}C \acute{I}C, Ps:$
 $C - PSC, . P^{\circ}CTjPeC, PjC - PsPeP^{\circ}CTjPrP^{\circ}$.

$P \acute{Y}C \acute{z} PrP \ddot{e}PSPSC - CTjPsP \cdot P \gg P^{\circ}PrP \ddot{e}$. $P \S P^{\circ}C \acute{I}C, PsC, P^{\circ} PSP_{\mu}PIC - PrPsPjP^{\circ}: P^{\circ}CTjC, P_{\mu}CTjC - P^{\circ}P \gg CHBSP^{\circ} PiC - PiP_{\mu}CTjC, P_{\mu}PSP \cdot C - C \acute{I}^{*}$.

$P - P \pm PsPeC \acute{z} PrP \ddot{e}C \dots P^{\circ}P \gg CHBSPsC - C \acute{I}P \ddot{e}C \acute{I}C, P_{\mu}PjP \ddot{e}, PsCTjPiP^{\circ}PSC - PI PiCTjC \acute{z} PrPSPsC -$
 $PeP \gg C - C, PeP \ddot{e} C, P^{\circ} C \acute{I}P_{\mu}CTjP_{\mu}PrPsC \acute{I}C, C - PSPSC \acute{I}$. $P \S P^{\circ}C \acute{I}C, Ps: CTjP \ddot{e}PSC - C, .$

$P - P \pm PsPeC \acute{z} C \acute{e}P \gg C \acute{z} PSPePsPIPs - PeP \ddot{e}C \acute{e}PePsPIPsPiPs C, CTjP^{\circ}PeC, C \acute{z}$. $P \S P^{\circ}C \acute{I}C, Ps:$
 $PjP_{\mu}C, P_{\mu}PsCTjP \ddot{e}P \cdot Pj$.

$P - P \pm PsPeC \acute{z} C \acute{e}PeC - CTjP \ddot{e} C - P \ddot{I}C - PrC \acute{e}PeC - CTjPSPsC - PeP \gg C - C, PePsPIP \ddot{e}PSP \ddot{e}$. $P \S P^{\circ}C \acute{I}C, Ps:$
 $PrP_{\mu}CTjPjP^{\circ}C, P \ddot{e}C, . P \acute{K}P_{\mu}C \ddot{z} P^{\circ}C \acute{I}C, Ps: PIP_{\mu}P \cdot P \ddot{e}PeC \acute{I}P \gg PsP \pm C \acute{I}P \gg CHBPsP \cdot PSP \ddot{e}PN_{\acute{z}} PIP \ddot{e}C \acute{I}P \ddot{e}Pi$.

$P - P \pm PsPeC \acute{z} PsPiPsCTjPSPs - CTjC \acute{z} C \dots PsPIPsC - C \acute{I}P \ddot{e}C \acute{I}C, P_{\mu}PjP \ddot{e} C, P^{\circ} C \acute{I}PiPsP \gg C \acute{z} C \ddot{z} PSPsC -$
 $C, PeP^{\circ}PSP \ddot{e}PSP \ddot{e}$. $P \S P^{\circ}C \acute{I}C, Ps: P \pm C - P \gg CH C \acute{r} PeC - C \acute{I}C, PeP^{\circ}C \dots C, P^{\circ} PjB \acute{I}^{\text{TM}} C \acute{I}P \cdot P^{\circ}C \dots, P \pm C - P \gg CH$
 $C \acute{r} C \acute{e}P \ddot{e}C -, P^{\circ}CTjC, CTjP \ddot{e}C, .$

$P - P \pm PsPeC \acute{z} PSP \ddot{e}CTjPsPe C, P^{\circ} C \acute{I}P_{\mu}C \ddot{z} PsPIP \ddot{e}PrC - P \gg CHBSPsC - C \acute{I}P \ddot{e}C \acute{I}C, P_{\mu}PjP \ddot{e}$. $P \S P^{\circ}C \acute{I}C, Ps:$
 $PiPsC, C \acute{I}PiP \ddot{e} PrPs C \acute{I}P_{\mu}C \ddot{z} PsPIP \ddot{e}PiC \acute{r}C \acute{I}PeP^{\circ}PSPSC \acute{I}$.

$P - P^{\circ}PiP^{\circ}P \gg CHBSC - PiPsCTjC \acute{z} C \acute{e}P_{\mu}PSPSC \acute{I} C, P^{\circ} CTjPsP \cdot P \gg P^{\circ}PrP \ddot{e} C \acute{z} PjC - C \acute{I}C \ddot{I}C -$
 $PIPIP_{\mu}PrP_{\mu}PSPSC \acute{I}$. $P \S P^{\circ}C \acute{I}C, Ps: PiP^{\circ}CTjC \acute{I}C \ddot{z} PeP^{\circ}, C \acute{I}C, PsPjP \gg CTjPIP^{\circ}PSC - C \acute{I}C, CH$.

* $P''P \ddot{e}PI$. $CTjPsP \cdot PrC - P \gg P \cdot PsPiP \ddot{e}C \acute{I}PsPj PIP \ddot{e}P \pm CTjP^{\circ}PSP \ddot{e}C \dots PiPsP \pm C - C \ddot{z} PSP \ddot{e}C \dots$
 $CTjP_{\mu}P^{\circ}PeC \ddot{I}C - PN_{\acute{z}}$.

$P \acute{h}PrB \acute{I}^{\text{TM}} CTjPIP^{\circ}PSC, PSP^{\circ} C, P_{\mu}CTjP^{\circ}PiC - C \acute{I}$.

$P \acute{K}P \ddot{e}P \P C \ddot{z} P_{\mu} PSP^{\circ}PIP_{\mu}PrP_{\mu}PSPs PiPsP \pm C - C \ddot{z} PSC - CTjP_{\mu}P^{\circ}PeC \ddot{I}C - C -, PiCTjPs C \acute{I}PeC -$
 $PiPsPIC - PrPsPjP \gg C \acute{I}P \gg PsC \acute{I}C \acute{I} P \cdot PIP \ddot{e}C \% PsCT C \ddot{z} P^{\circ}C \acute{I}C, PsC, PsCT Pi C \dots PsPrC -$
 $PiP \gg P^{\circ}C \ddot{I}P_{\mu}P \pm Ps - PePsPSC, CTjPsP \gg CHBPsPIP^{\circ}PSP \ddot{e}C \dots PrPsC \acute{I}P \gg C - PrP \P P_{\mu}PSC H C \acute{r}$
 $PiP^{\circ}C \ddot{I}C - C''PSC, C - PI, C \acute{I}PeC - P \cdot P^{\circ}C \acute{I}C, PsC \acute{I}PsPIC \acute{r}PIP^{\circ}P \gg P \ddot{e} 1 PjPi/PrPsP \pm C \acute{r}$
 $CTjP^{\circ}P \cdot P^{\circ}PiC - P \gg C - PSC \acute{r}$.

$P''PsP \pm CTjPsC \acute{I}PeC - C \acute{I}PSC -, P \cdot P \gg PsC \acute{I}PeC - C \acute{I}PSC - C, P^{\circ} PSP_{\mu}P \cdot B \acute{I}^{\text{TM}} C \acute{I}C \acute{I}PsPIP^{\circ}PSC -$
 $PSPsPIPsC \acute{z} C, PIPsCTjP_{\mu}PSPSC \acute{I} (PIPeP \gg CT C \ddot{z} P^{\circ}CT C \ddot{z} P \ddot{e} PeC - C \acute{I}C, P \ddot{e} C, P^{\circ} PiPsP \gg C - PiP \ddot{e})$.
 $P \acute{K}P_{\mu}C \ddot{z} P^{\circ}C \acute{I}C, Ps: PjP_{\mu}P \gg P^{\circ}PSPsPjP^{\circ} C \acute{e}PeC - CTjP \ddot{e}^{*}$.

$P_{\mu}PsC\bar{H}C\acute{z}C\epsilon P_{\mu}PSPSC\bar{U} PsP\pm PjC-PSC\acute{z} C\bar{H}P_{\mu}C\ddagger PsPIP\ddot{e}PS C,P^{\circ} C...P^{\circ}C\bar{H}C\ddagger C\acute{z}PIP^{\circ}PSPSC\bar{U}$.
P§P°CÍC,Ps: P·PSPëP¶PµPSPSCU P°PīPµC,PëC,Cr.

$P_{\mu}C\bar{I}P\ddot{e}C...C-C\ddagger PSC-$ $C\bar{H}PsP\cdot P\gg P^{\circ}PrP\ddot{e}$. P§P°CÍC,Ps: PiP°P»CĤC†PëPSP°C†C-C—*,
PiP°C,PsP»PsPiC-C‡PSC- CÍPSPsPIPëPrC-PSPSCU. PkPµC‡P°CÍC,Ps:
CÍPīP»CÍC,P°PSC-CÍC,CH CÍPIC-PrPsPjPsCÍC,C-. P§P°CÍC,PsC,P° PSPµPIC-PrPsPjP°:
CĤPsP·P»P°PrPë PePsPSC,CĤPsP»CĤ PSP°Pr CÍPīPsPSCrPeP°PSPSCU Pj*.

$P-$ $P\pm PsPeC\acute{z} PSP_{\mu}C\bar{H}PIPsIPsC-$ $C\bar{I}P\ddot{e}C\bar{I}C,P_{\mu}PjP\ddot{e}$. P°CrP¶Pµ C‡P°CÍC,Ps:
PrPëCÍPeC-PSPµP·C-CU. P§P°CÍC,Ps: PrPëCÍC,PsPSC-CU, CÍPëPSPrCĤPsPj
P·P°PībĤ™ CU CÍC,PSPsPiPs PeP°PSP°P»Cr, PīPsCĤCrCεPµPSPSCU CĤC-PIPsPsPIP°PiPë.
PkPµC‡P°CÍC,Ps: PiPsCÍC,CĤPµ PīPsCĤCrCεPµPSPSCU PjPsP·PePsPIPsPiPs
PeCĤPsPIPsPsP±C-PiCr. P§P°CÍC,PsC,P° PSPµPIC-PrPsPjP°: CÍPµCĤPsC,PsPSC-PSPsPIPëPNε
CÍPëPSPrCĤPsPj, PSP°PrPjC-CĤPSP° CÍPsPSP»PëPIC-CÍC,CH C,P° PµPiC-P·PsPrPë
CĤP°PiC,PsPIPsPiPs P·P°CÍPëPSP°PSPSCU*.

$P-$ $P\pm PsPeC\acute{z} C\bar{I}P_{\mu}C\bar{H}C\ddagger CU$. PkPµC‡P°CÍC,Ps: CÍC,PµPSPsPeP°CĤPrC-CU.

$P-$ $P\pm PsPeC\acute{z} C\bar{I}C\acute{z}PrP\ddot{e}PSPSPsC-$ $C\bar{I}P\ddot{e}C\bar{I}C,P_{\mu}PjP\ddot{e}$. P§P°CÍC,Ps: PsCĤC,PsCÍC,P°C,PëC‡PSP°
PiC-PīPsC,PµPSP·C-CU*. P§P°CÍC,PsC,P° PSPµPIC-PrPsPjP°: P°CĤC,PµCĤC-P°P»CHPSP°
PiC-PīPµCĤC,PµPSP·C-CU*.

$P-$ $P\pm PsPeC\acute{z} C\epsilon P\gg C\acute{z}PSPePsIPs-PeP\ddot{e}C\epsilon PePsIPsPiPs C,C\bar{H}P^{\circ}PeC,C\acute{z}$. P§P°CÍC,Ps: P±C-P»CH Cr
P¶PëPIPsC,C-, P·P°PīPsCĤ, PSCrPrPsC,P° C,P° P±P»CĤPIP°PSPSCU, CÍCrC...C-CÍC,CH Cr
CĤPsC,C-.

$P-$ $P\pm PsPeC\acute{z} C\epsilon PeC-C\bar{H}P\ddot{e} C- PiC-PrC\epsilon PeC-C\bar{H}PSPsC-$ $PeP\gg C-C,PePsPIP\ddot{e}PSP\ddot{e}$. P§P°CÍC,Ps:
PIPëCÍPëPiP°PSPSCU.

$P-$ $P\pm PsPeC\acute{z} PsPīPsC\bar{H}PSPs-C\bar{H}C\acute{z}C...PsPIPsPiPs P^{\circ}PīP^{\circ}C\bar{H}P^{\circ}C,C\acute{z} C,P^{\circ} C\bar{I}PīPsP\gg C\acute{z}C\ddagger PSPsC-$
 $C,PeP^{\circ}PSP\ddot{e}PSP\ddot{e}$. P§P°CÍC,Ps: P°CĤC,CĤP°P»PiC-CU, P±C-P»CH Cr CεPëC—.

$P^{\circ}PsC\bar{I}P\gg C-PrP¶P_{\mu}PSPSC\bar{U}$. P§P°CÍC,Ps: P·PSPëP¶PµPSPSCU PjP°CÍPë C,C-P»P°.

$P\check{y}C\bar{H}P^{\circ}PIPjP\ddot{e}, PsC,C\bar{H}C\acute{z}C^{\circ}PSPSC\bar{U} C,P^{\circ} P\check{i}C\bar{H}PsC\ddagger P_{\mu}PrC\acute{z}C\bar{H}PSC- C\acute{z}C\bar{I}PeP\gg P^{\circ}PrPSP_{\mu}PSPSC\bar{U}$.
P§P°CÍC,Ps: PiP°PrC-PSPSCU.

* P°PëPI. CĤPsP·PrC-P» P· PsPiPëCÍPsPj PIPëP±CĤP°PSPëC... PiPsP±C-C‡PSPëC...
CĤPµP°PeC†C-PNε.

$PhPiP\ddot{e}C\bar{I} PsPeC\bar{H}P_{\mu}PjP\ddot{e}C... PiPsP\pm C-C\ddagger PSP\ddot{e}C... C\bar{H}P_{\mu}P^{\circ}PeC\ddagger C-PN_{\epsilon}$

$PhC\bar{H}C,PsC\bar{I}C,P^{\circ}C,P\ddot{e}C\ddagger PSP^{\circ} PiC-PiPsC,P_{\mu}PSP\cdot C-CU$. PJ CÍP»C-PiPëC... PiP»P°C†PµP±Ps-
PePsPSC,CĤPsP»CHPsPIP°PSPëC... PrPsCÍP»C-PrP¶PµPSPSCU C... C,CU P¶PeP°
PsCĤC,PsCÍC,P°C,PëC‡PSP° PiC-PīPsC,PµPSP·C-CU P±CÍP»P° P·P°CĤPµC”CÍC,CĤPsPIP°PSP° PI
PsPrPSPsPiPs PiP°C†C-C”PSC,P° (0,3 %) Cr PiCĤCrPiC- CĤP°P·P°PiC-P»C-PSCr
(PrPsPīPsPjC-P¶PSC- PrPsCÍP»C-PrP¶PµPSPSCU), Cr PiCĤCrPiC- PiP»P°C†PµP±Ps bĤ”
P¶PsPrPSPsPiPs. P”P°PSC- PeP»C-PSC-C‡PSPëC... PrPsCÍP»C-PrP¶PµPSCH C,P°PePsP¶
CÍPIC-PrC‡P°C,CH PiCĤPs C,Pµ, C°Ps PsCĤC,PsCÍC,P°C,PëC‡PSP° PiC-PiPsC,PµPSP·C-CU
PIPëPSPëPeP°C” PSP°PNεC‡P°CÍC,C-CεPµ PI PiPµCĤCεC- PrPIP° PjC-CÍCUC†C- PiCĤPëPNεPsPjCr
CĤP°P·P°PiC-P»C-PSCr C- PjP°C” C,PµPSPrPµPSC†C-CĤ PrPs P·PSPëP¶PµPSPSCU P· C‡P°CÍPsPj.

*P*hC₇H₅C, *P*_μC₇H₅C-*P*°*P*»CH₃PS^o *P*iC-*P*i_μC₇H₅C, *P*_μPS^o·C-*C*l. *P* *P*°*P*·*P*°*P*iC-*P*»C-*P*S
*C*l*P*_μ*P*»*P*_μ*P*eC, *P*ë*P*i_μPS^o C-*P*S*P*iC-*P*±*C*r' *P*h*P*h*P*h-*P*' *C*, *P*° *P*SP_μ *P*i_μPS*P*iB₇[™] *C*l*P*·*P*°*P*SPë*P*N₆ C-*P*·
*P*iC-*P*r*P*iPëC%₀₀*P*_μPS*P*SCl*P*j C±*C*r' C, *P*»*P*ë*P*i_μPS*C*l' C, C- *P*r*P*s C, *P*ëC₇H₅*P*°*P*jC-*P*SCr' *C*r'
P·*P*°*P*·*P*SP°*C*±*P*_μ*P*SC-*P*N₆ *P*r*P*s*P*·C- (1 *P*j*P*i *P*SP° *P*r*P*s*P*±*C*r'). *P*j *C*l' *P*»C-*P*iPëC... *P*iP»*P*°*C*†*P*_μ*P*±*P*s-
*P*e*P*s*P*SC, C₇H₅*P*s*P*»CH₃*P*s*P*iP°*P*SPëC... *P*r*P*s*C*l' *P*»C-*P*r*P*¶*P*_μPS*P*SCl*C*... (*P*j*P*s*P*SPsC, *P*_μC₇H₅*P*°*P*iC-*C*l
C, *P*° *P*r*P*s*P*i_μ*P*jC-*P*¶*P*SP° *C*, *P*_μC₇H₅*P*°*P*iC-*C*l) *P*SP_μ *P*i_μPS*P*iC-*P*r*P*s*P*j*P*»*C*l*P*»*P*s*C*l' *C*l *P*iC₇H₅*P*s
C, *C*l*P*¶*P*e*C*r' *P*°C₇H₅C, *P*_μC₇H₅C-*P*°*P*»CH₃*P*SCr' *P*iC-*P*i_μC₇H₅C, *P*_μPS^o·C-*C*h *C*r' *P*¶*P*s*P*r*P*SPs*P*i*P*s
*P*iP°*C*†C-*C*"*P*SC, *P*°, *C*l*P*e*P*ë*P*N₆ *P*sC, C₇H₅*P*ë*P*j*C*r'*P*iP°*P*i C₇H₅*P*°*P*·*P*°*P*iC-*P*»C-*P*S. *P*j
*P*i_μPS*C*l' C, *P*j*P*°C₇H₅*P*e*P*_μC, *P*ë*P*s*P*i_μPS*P*iPë*P*N₆ *P*i_μC₇H₅C-*P*s*P*r' *P*i_μPS*P*iC-*P*r*P*s*P*j*P*»*C*l*P*»*P*s*C*l' *C*l *P*iC₇H₅*P*s
*P*iPë*P*iP°*P*r*P*e*P*ë *P*iC-*P*r*P*iPëC%₀₀*P*_μPS*P*SCl*P* *P*°C₇H₅C, *P*_μC₇H₅C-*P*°*P*»CH₃*P*SPs*P*i*P*s C, *P*ëC₇H₅*P*e*C*r',
*P*iPë*P*»C₇H₅*C*±*P*°C₇H₅*C*±*P*ë *P*i_μPS*P*s*P*r*P*ë*P*SPs*P*eC- *P*iPë*P*iP°*P*r*P*e*P*ë *P*iC-*P*i_μC₇H₅C, *P*_μPS^o·*P*ë*P*i_μPS*P*s*P*i*P*s
*P*eC₇H₅*P*ë·*C*r', *P*i_μPS*P*iB₇[™] *C*l*P*·*P*°*P*SPs*P*i*P*s C-*P*· *P*iP¶*P*ë*P*iP°*P*SPSCl*P*j C-*P*¶C-, *P*±*P*°*P*iP°*C*, *P*sC-
*P*SP° *C*, *P*ëC₇H₅*P*°*P*jC-*P*S, *C*r' *P*iP°*C*†C-*C*"*P*SC, C-*P*i, *C*l*P*eC- *P*·*P*°*C*l' C, *P*s*C*l' *P*s*P*iC*C*r'*P*iP°*P*»*P*ë
C₇H₅*P*°*P*·*P*°*P*iC-*P*»C-*P*S. *P*j *P*i_μPS*C*l' C, *P*j*P*°C₇H₅*P*e*P*_μC, *P*ë*P*s*P*i_μPS*P*iPë*P*N₆ *P*i_μC₇H₅C-*P*s*P*r'
*P*i_μPS*P*iC-*P*r*P*s*P*j*P*»*C*l*P*»*P*s*C*l' *C*l *P*iC₇H₅*P*s *P*iPë*P*iP°*P*r*P*s*P*e *P*iC-*P*r*P*iPëC%₀₀*P*_μPS*P*SCl*P*
P°C₇H₅C, *P*_μC₇H₅C-*P*°*P*»CH₃*P*SPs*P*i*P*s C, *P*ëC₇H₅*P*e*C*r' *C*r' *P*iP°*C*†C-*C*"*P*SC, *P*°, *C*l*P*e*P*ë*P*N₆ *P*iC₇H₅*P*ë*P*N₆*P*j*P*°*P*i
C₇H₅*P*°*P*·*P*°*P*iC-*P*»C-*P*S *C*l' *C*r'*P*jC-*C*l' *P*SPs *P*· *P*sC±*P*SPë*P*j *P*iP°*P*·*P*s*P*e*P*s*P*SCl' C, C₇H₅*P*ë*P*eC, *P*sC₇H₅*P*s*P*j
C, *P*_μC, C₇H₅*P*°*P*iC-*P*rC₇H₅*P*s*P*·*P*s*P*»C-*P*SCr' *P*iC-*P*rC₇H₅*P*sC...*P*»*P*sC₇H₅*P*ë*P*r*P*s*P*j.

P *P*s*P*·*P*»*P*°*P*r*P*ë *P*e*P*s*P*SC, C₇H₅*P*s*P*»C₇H₅ *P*SP°*P*r' *C*l' *P*i_μPS*P*SC*á**P*e*P*°*P*SPSCl*P*j. *P*j *P*iP»*P*°*C*†*P*_μ*P*±*P*s-
*P*e*P*s*P*SC, C₇H₅*P*s*P*»CH₃*P*s*P*iP°*P*SPs*P*j*C*r' *P*r*P*s*C*l' *P*»C-*P*r*P*¶*P*_μPS*P*SC-
*P*j*P*s*P*SPsC, *P*_μC₇H₅*P*°*P*iC-*C*— *P*±*C*r' *P*»*P*s *P*·*P*°C₇H₅*P*_μ*C*"*C*l' C, C₇H₅*P*s*P*iP°*P*SPs *P*s*P*r*P*ë*P*s
*P*iPë*P*iP°*P*r*P*s*P*e *P*iC-*P*i_μC₇H₅*C*l' *P*_μ*P*e*C*l' *C*r' *P*°*P*»CH₃*P*SPs*C*l' C, C-. *P*_μC-*P*r' *C*±*P*°*C*l'
*P*i_μPS*C*l' C, *P*j*P*°C₇H₅*P*e*P*_μC, *P*ë*P*s*P*i_μPS*P*i*P*s*P*i*P*s *P*iPë*P*»*P*ë*P*iC*C*r' *P*· *P*SP_μ*P*iC-*P*r*P*s*P*j*P*sC₇H₅
C±*P*°*C*l' C, *P*sC, *P*sC₇H₅ *P*i_μPS*P*iC-*P*r*P*s*P*j*P*»*C*l*P*»*P*s*C*l' *C*l *P*iC₇H₅*P*s *P*SP°*C*l' C, *C*r' *P*iPSP_μ:
*P*e*P*s*P*j*P*iC*C*r' *P*»CH₃*C*l' C-*C*—, *P*e*P*s*P*j*P*iC*C*r' *P*»CH₃*C*l' *P*ë*P*iPSP_μ *P*±*P*°*P*¶*P*°*P*SPSCl*P*
P·*P*rC-*P*N₆*C*l' *P*SC₇H₅*P*iP°*C*, *P*ë *P*i_μPS*P*e*C*r' *P*iPë*P*ë, *P*r*P*_μC₇H₅*P*j*P*°*C*, *P*ë*P*»*P*s*P*j*P*°*P*SC-*C*l,
*C*l' *P*ë*P*s*P*rC₇H₅*P*s*P*j *P*i_μPS*C*l' *C*ë*P*_μPS*P*SCl*P* *P*r*P*sC, „*P*°*P*jC-*P*SPs*P*i*P*sC—
C₇H₅*P*_μ*P*iC*C*r' *P*»*C*l*C*†C-*C*—, *P*i_μPS*C*l' *C*ë*P*_μPS*P*SCl*P* *P*e*P*s*P*SC, C₇H₅*P*s*P*»C₇H₅ *P*SP°*P*r'
C-*P*j*P*iC*C*r' *P*»CH₃*C*l' *P*°*P*jPë, C-*P*j*P*iC*C*r' *P*»CH₃*C*l' *P*ë*P*iPSP° *P*i_μPS*P*iP_μ*P*rC-*P*SPe*P*°,
*P*e*P*»*P*_μ*P*iC, *P*s*P*j*P*°*P*SC-*C*l, *P*eC₇H₅*P*°*P*rC-*P*¶*P*e*P*°, *P*SP°*P*iB₇[™] *C*l*P*·*P*»*P*ë*P*iC- *P*r*C*r'*P*j*P*e*P*ë,
*P*s*P*±*C*l' *P*_μ*C*l' *P*ë*P*iPSPs-*P*e*P*s*P*j*P*iC*C*r' *P*»CH₃*C*l' *P*ë*P*iPSPë*P*N₆ C₇H₅*P*s*P*·*P*»*P*°*P*r',
*C*l' C, *P*_μC₇H₅*P*_μ*P*sC, *P*ë*P*iPSC-*C*l' C, CH₃, *P*°*P*·*P*°C₇H₅C, *P*SC- C-*P*iC₇H₅*P*ë, *P*iP°*C*, *P*s*P*»*P*s*P*iC-*C*±*P*SP°
P°*P*·*P*°C₇H₅C, *P*SC-*C*l' C, CH₃, *P*i_μPS*C*l' *P*ë*P*»*P*_μPS*P*SCl*P* *P*»C-*P*±C-*P*r*P*s,
*P*iC-*P*i_μC₇H₅*C*l' *P*_μ*P*e*C*l' *C*r' *P*°*P*»CH₃*P*SC-*C*l' C, CH₃, *P*iC₇H₅*P*ëC...*P*s*C*l' *P*_μ*P*e*C*l' *C*r' *P*°*P*»CH₃*P*SC-
C₇H₅*P*s*P*·*P*»*P*°*P*rPë, *C*l' *P*_μ*P*e*C*l' *C*r' *P*°*P*»CH₃*P*SPs-*P*SP_μ*P*°*P*r*P*_μ*P*e*P*iP°*C*, *P*SP°
*P*i_μPS*P*iP_μ*P*rC-*P*SPe*P*°. *P*_μ*P*s*P*»*P*s*P*iPë*P*SP° *P*·*P*°C₇H₅*P*_μ*C*"*C*l' C, C₇H₅*P*s*P*iP°*P*SPëC...
*P*iPë*P*iP°*P*r*P*eC-*P*i C₇H₅*P*s*P*·*P*»*P*°*P*rC-*P*i *P*e*P*s*P*SC, C₇H₅*P*s*P*»C₇H₅ *P*SP°*P*r'
*C*l' *P*i_μPS*P*SCr' *P*e*P*°*P*SPSCl*P*j *P*±*C*r' *P*»*P*ë *P*sC†C-*P*SP_μ*P*SC- *C*l*P*e *C*l' *P*_μC₇H₅*P*N₆*P*s*P*·*P*SC-.
P»*P*ëCë*P*_μ *P*i_μPS*P*s*P*r*P*ë*P*SPs*P*eC- *P*iPë*P*iP°*P*r*P*e*P*ë, *P*iC₇H₅*P*s *C*l*P*eC-
*P*i_μPS*P*iC-*P*r*P*s*P*j*P*»*C*l*P*»*P*s*C*l' *C*l, *P*SP_μ *P*iC-*P*r*P*SPs*P*iPë*P*»*P*ëC₇H₅*P*SP° *P*j*P*s*P*j*P*_μ*P*SC,
*P*i_μPS*P*iC-*P*r*P*s*P*j*P*»*P*_μPS*P*SCl*P*.

*P*k*P*°*P*r*P*jC-*C*h*P*SP° *C*l' *P*s*P*SP»*P*ë*P*iC-*C*l' C, CH₃ *P*i *P*r*P*_μPS*P*SPë*P*N₆ *C*±*P*°*C*l' C, *P*° *P*_μ*P*iC-*P*·*P*s*P*r*P*ë
C₇H₅*P*°*P*iC, *P*s*P*iP*P*s*P*i*P*s *P*·*P*°*C*l' *P*ë*P*SP°*P*SPSCl*P*. *P*k*P*°*P*r*P*jC-*C*h*P*SP° *C*l' *P*s*P*SP»*P*ë*P*iC-*C*l' C, CH₃
*P*iC₇H₅*P*sC, *C*l*P*i*P*s*P*j *P*r*P*SCl*P* (*P*iC-*P*i_μC₇H₅*C*l' *P*s*P*j*P*SC-*C*l, *P*j*P*»*C*l*P*iC-*C*l' C, CH₃,
*C*l' *P*_μ*P*r*P*°*C*†C-*C*l, *P*SP°*P*iP°*P*rPë *C*l' *P*SCr', *C*l' *P*s*P*SP»*P*ë*P*iC-*C*l' C, CH₃ C, *P*° C₇H₅*P*°*P*iC, *P*s*P*iC-
P·*P*°*C*l' *P*ë*P*SP°*P*SPSCl*P*) *P*j*P*s*P*¶*P*_μ *P*iPë*P*SPë*P*e*P*°*C*, *P*ë *C*r' *P*iP°*C*†C-*C*"*P*SC, C-*P*i, *C*l*P*eC-
P·*P*°*C*l' C, *P*s*C*l' *P*s*P*iC*C*r' C₇H₅C, CH₃ *P*°*P*i_μPS*P*SC-*C*l' C, *P*ë *P*r*P*s*P*iP°*P*jC-*P*SCr' C, *P*°/*P*°*P*±*P*s

C-PSC€C- PIPëPrPë C, PµCḡP°PīC-C— PrPsC,,P°PjC-PSpµCḡPiC-C‡PSPëPjPë
P·P°CḡPsP±P°PjPë. PµCḡPs PīPsPrC-P±PSC- PIPëPīP°PrPePë PSP°PrPjC-CḡPSPsC—
CḡPsPSP»PëPIPsCḡC,C- PI PrPµPSPSPëPNᵇ C‡P°Cḡ PīPsPIC-PrPsPjP»CḡP»Pë Cr
PīPsCḡC,PjP°CḡPePµC,PëPSPiPsPIPëPNᵇ PīPµCḡC-PsPr C-P· CḡP°P·P°PiC-P»C-PSPsPj.
PµPsPIC-PrPsPjP»CḡP»Pë PīCḡPs PIPëPīP°PrPePë P·P°CḡPëPSP°PSPSCḡ PīC-Pr C‡P°Cḡ
PIPëPePsPSP°PSPSCḡ PīPsPICḡCḡPePrPµPSPSPsC— PrC-CḡP»CḡPSPsCḡC,C- Cr
PīP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPëPjCḡPIP°P»Pë CḡP°P·P°PiC-P»C-PS C,P°
C-PSC€C- PrPsC,,P°PjC-PSpµCḡPiC-C‡PSC- P·P°CḡPsP±Pë. PkPµP·PIP°PḡP°CḡC‡Pë PSP°
C,Pµ, C%Ps P±P°PīP°C,Ps C...C,Ps P· C†PëC... PīP°C†C-C”PSC,C-PI PīPsPIC-PrPsPjPëP»Pë
PīCḡPs CḡPsPSP»PëPIC-CḡC,Cḡ Cr C,PsPNᵇ C‡P°Cḡ, CḡPe PīCḡPëPNᵇPjP°P»Pë
CḡP°P·P°PiC-P»C-PS P· C-PSC€PëPjPë PrPsC,,P°PjC-PSpµCḡPiC-C‡PSPëPjPë
P·P°CḡPsP±P°PjPë, PrPµCḡPeC- P· PSPëC... PIC-PrP·PSP°C‡P°P»Pë, C%Ps Cr PSPëC...
PSPµ P±CḡP»Ps PSC-CḡPePëC... PīPsPīPµCḡPµPrPḡCḡPIP°P»CḡPSPëC... PsP·PSP°Pe,
C,P°PePëC... CḡPe PSP°PrPjC-CḡPSP° CḡPsPSP»PëPIC-CḡC,Cḡ. P”PµCḡPeC- P· C†PëC...
PIPëPīP°PrPeC-PI P±CḡP»Pë P·P°CḡPµC”CḡC,CḡPsPIP°PSC- P±C-P»CḡC€Pµ, PSC-Pḡ
C‡PµCḡPµP· CḡC-Pe PīC-CḡP»Cḡ PīPsC‡P°C,PeCḡ P»C-PeCḡPIP°PSPSCḡ.

P”P°P»CḡC‡PëPSP°C†C-C—. PḡPIPsCḡPsP±P° PµP°CḡPeC-PSCḡPsPSP°
PīPsPīBḡ™ CḡP·P°PSP° P· PIPëPSPëPePSPµPSPSCḡPj PīP°P»CḡC‡PëPSP°C†C-PNᵇ C,P°
CḡPīP»CḡC,P°PSPsCḡC,C- CḡPIC-PrPsPjPsCḡC,C-. PµC-Pr C‡P°Cḡ
PīPsCḡC,PjP°CḡPePµC,PëPSPiPsPIPëC... PrPsCḡP»C-PrPḡPµPSCḡ PrP°PSC-
CḡPëPjPīC,PsPjPë CḡPīPsCḡC,PµCḡC-PīP°P»PëCḡCḡ Cr C...PIPsCḡPëC... PSP°
PīP°CḡPeC-PSCḡPsPSC-P·Pj, CḡPeC- P·P°CḡC,PsCḡPsPICḡPIP°P»Pë CḡP°P·P°PiC-P»C-PS.

PŸPµCḡPsC,PsPSC-PSPsPIPëPNᵇ CḡPëPSPḡCḡPsPj. PµC-Pr C‡P°Cḡ PeP»C-PSC-C‡PSPëC...
PrPsCḡP»C-PrPḡPµPSCḡ PsPrPSPsC‡P°CḡPSPs PSPµ P·P°CḡC,PsCḡPsPICḡPIP°P»Pë
C,,P»CḡPsPeCḡPµC,PëPS P°P±Ps C,,P»CḡPIPsPeCḡP°PjC-PS C-P· CḡP°P·P°PiC-P»C-PSPsPj,
PsPrPSP°Pe P·P°CḡC,PsCḡPsPICḡPIP°P»Pë P°PSC,PëPrPµPīCḡPµCḡP°PSC,Pë P·
CḡP°P·P°PiC-P»C-PSPsPj: P°PjC-C,CḡPëPīC,PëP»C-PS ≤ 50 PjPi PSP° PrPsP±Cḡ,
C,CḡP°P·PsPrPsPS ≤ 100 PjPi PSP° PrPsP±Cḡ, C†PëC,P°P»PsPīCḡP°Pj ≤ 20 PjPi PSP°
PrPsP±Cḡ, CḡPµCḡC,CḡP°P»C-PS ≤ 100 PjPi PSP° PrPsP±Cḡ C,P°
PīP°CḡPsPeCḡPµC,PëPS ≤ 30 PjPi PSP° PrPsP±Cḡ (PrPëPI. CḡPsP·PrC-P»
B«P’P·P°C”PjPsPrC-Cḡ P· C-PSC€PëPjPë P»C-PeP°CḡCḡPePëPjPë P·P°CḡPsP±P°PjPë
C,P° C-PSC€C- PIPëPrPë PIP·P°C”PjPsPrC-PNᵇB»). Pj PīCḡPsC†PµCḡC-
PīPsCḡC,PjP°CḡPePµC,PëPSPiPsPIPëC... PrPsCḡP»C-PrPḡPµPSCḡ
PīPsPIC-PrPsPjP»CḡP»PsCḡCḡ PīCḡPs PIPëPīP°PrPePë PIPëPSPëPePSPµPSPSCḡ
CḡPµCḡPsC,PsPSC-PSPsPIPsPīPs CḡPëPSPḡCḡPsPjCḡ, C%Ps
PīCḡPsCḡPIP»CḡC”C,CḡCḡCḡ Cr PIPëPīP»CḡPrC- P°PḡPëC,P°C†C-C—,
CḡPīP»CḡC,P°PSPsCḡC,C- CḡPIC-PrPsPjPsCḡC,C-, CḡPëPīC-PrPSPsCḡC,C-
PjBḡ™ CḡP·C-PI, PīC-PīPµCḡC,PµCḡPjC-C— C,P° PjC-PsPeP»PsPSC-C‡PSPëC...
CḡCḡPrPsPj, Cr PīP°C†C-C”PSC,C-PI, CḡPeC- P·P°CḡC,PsCḡPsPICḡPIP°P»Pë
P°PSC,PëPrPµPīCḡPµCḡP°PSC,Pë, PjPµPīPµCḡPëPrPëPS, C,CḡP°PjP°PrPsP»,
PjPµC,P°PrPsPS P°P±Ps PīCḡPsPīPsPeCḡPëC,,PµPS PsPrPSPsC‡P°CḡPSPs P·
CḡP°P·P°PiC-P»C-PSPsPj.

P—P»PsCḡPeC-CḡPSP° PjPµP»P°PSPsPjP°. P—P°C...PIPsCḡCḡPIP°PSC-CḡC,Cḡ
PjPµP»P°PSPsPjPsCḡ C€PeC-CḡPë PI PīP»P°C†PµP±Ps-

PePsPSC,CTjPsP»CHbPsPIP°PSPëC... PeP»C-PSC-C‡PSPëC...
PrPsCÍP»C-PrP¶PµPSPSC¿C... CÍC,P°PSPsPIPëP»P° 2/380 (0,5 %) PíCTjPë
P·P°CÍC,PsCÍCÍPIP°PSPSC- CTjP°P·P°PiC-P»C-PSCr 1 PjPi PsPrPSPsC‡P°CÍPSPs P·
PiCTjCÍPiPsCTh P»C-PeCÍPIP°PSPSC¿ P»PµPIPsPrPsPiPsCTh PiPsCTjC-PIPSC¿PSPs P·
PiCTjCÍPiPsCTh PiP»P°C‡PµP±Ps 1/388 (0,3 %). PµCTjPsC,C¿PiPsPj
PiPsCÍC,PjP°CTjPePµC,PëPSPiPsPIPsPiPs PiPµCTjC-PsPrCÍ PiPsPIC-PrPsPjP»C¿P»PsCÍC¿
PiCTjPs PrPsPrP°C,PePsPIC- PIPëPiP°PrPePë P·P»PsC¿PeC-CÍPSPsC— PjPµP»P°PSPsPjPë.
PJ PICÍC-C... P·PIC-C,P°C... C‡C- PIPëPiP°PrPePë PIPIP°P¶P°P»PëCÍC¿
CÍPµCTjPNbPsP·PSPëPjPë.

PµPsPIC-PrPsPjP»PµPSPSC¿ PiCTjPs PiC-PrPsP·CTjCThPIP°PSC- PiPsP±C-C‡PSC-
CTjPµP°PeC‡C-C—. PµPsPIC-PrPsPjP»PµPSPSC¿ PiCTjPs PiPsP±C-C‡PSC-
CTjPµP°PeC‡C-C— PiC-CÍP»C¿ CTjPµC”CÍC,CTjP°C‡C-C— P»C-PeP°CTjCÍCHbPePsPiPs
P·P°CÍPsP±CÍ PjP°C” PIP°P¶P»PëPIPµ P·PSP°C‡PµPSPSC¿. PíPµ PrP°C” P·PjPsPiCÍ
PiCTjPsPIPsPrPëC,Pë PjPsPSC-C,PsCTjPëPSPi CÍPiC-PIPIC-PrPSPsCëPµPSPSC¿
PePsCTjPëCÍC,CH/CTjPëP·PëPe PiCTjPë P·P°CÍC,PsCÍCÍPIP°PSPSC- C‡CHbPsPiPs
P»C-PeP°CTjCÍCHbPePsPiPs P·P°CÍPsP±CÍ. PµPµPrPëC‡PSPëPj C,P°
C,,P°CTjPjP°C‡PµPIC,PëC‡PSPëPj PiCTjP°C‡C-PIPSPëPeP°Pj, P° C,P°PePsP¶ PiP°C‡C-C”PSC,P°Pj
P°P±Ps C—C...PSC-Pj P·P°PePsPSPSPëPj PiCTjPµPrCÍC,P°PIPSPëPeP°Pj CÍP»C-Pr
PiPsPIC-PrPsPjP»C¿C,Pë PiCTjPs CÍCÍC- PIPëPiP°PrPePë PiC-PrPsP·CTjCThPIP°PSPëC...
PiPsP±C-C‡PSPëC... CTjPµP°PeC‡C-PNb C,P° PIC-PrCÍCÍC,PSPsCÍC,C-
PµC,,PµPeC,PëPIPSPsCÍC,C- P»C-PeP°CTjCÍCHbPePsPiPs P·P°CÍPsP±CÍ C‡PµCTjPµP·
PhPIC,PsPjP°C,PëP·PsPIP°PSCr C-PSC,,PsCTjPjP°C‡C-PNbPSCr CÍPëCÍC,PµPjCÍ P·
C,,P°CTjPjP°PePsPSP°PiP»C¿PrCÍ P·P° PiPsCÍPëP»P°PSPSC¿Pj: <https://aisf.dec.gov.ua>.

PjPµCTjPjC-PS PiCTjPëPrP°C,PSPsCÍC,C-. 3 CTjPsPePë.

PjPjPsPIPë P·P±PµCTjC-PiP°PSPSC¿. P—P±PµCTjC-PiP°C,Pë PI PsCTjPëPiC-PSP°P»CHbPSC-PNb
CÍPiP°PePsPIC‡C- PI PSPµPrPsCÍC,CÍPiPSPsPjCÍ PrP»C¿ PrC-C,PµPNb PjC-CÍC‡C-.

PjPiP°PePsPIPeP°. PµPs 10 C,P°P±P»PµC,PsPe CÍ P±P»C-CÍC,PµCTjC-; PiPs 3B
P±P»C-CÍC,PµCTjPë CÍ PeP°CTjC,PsPSPSC-PNb PePsCTjPsP±C‡C-.

PµP°C,PµPiPsCTjC-C¿ PIC-PrPiCÍCÍPeCÍ. P—P° CTjPµC‡PµPiC,PsPj.

P’PëCTjPsP±PSPëPe. PµPµPrPsPePµPjC- P>C-PjC-C,PµPr/Medochemie Limited.

B B B B B B B

**PµC-CÍC‡PµP·PSP°C...PsPrP¶PµPSPSC¿ PIPëCTjPsP±PSPëPeP° C,P° P°PrCTjPµCÍP°
PjC-CÍC‡C¿ PiCTjPsPIP°PrP¶PµPSPSC¿ PNBsPiPs PrC-C¿P»CHbPSPsCÍC,C-.**

PhP¶PëPsCÍ PhC,P°PSP°CÍCÍC-PsCÍ P‡PSPrCÍCÍC,CTjC-P°P»CHbPSP° P—PsPSP°,
PµC-C...P°C-P» P‡CTjP°PeP»PµCÍCÍ 2, PhP¶PëPsCÍ PhC,P°PSP°CÍCÍC-PsCÍ, P>C-PjP°CÍCÍPsP»,

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