```
## Front matter
title: "Đ"абĐ»Đ¾Đ½ Đ¾Ñ,чÑ'Ñ,а Đ;Đ¾ лабĐ¾Ñ€Đ°Ñ,Đ¾Ñ€Đ½Đ¾Đ¹ Ñ€Đ°Đ±Đ¾Ñ,е Ø5"
subtitle: "ĐŸÑ€Đ¾ÑÑ,ĐμĐ¹Ñ^Đ Đ¹ Đ²Đ°Ñ€Đ Đ°Đ½Ñ,"
author: "ĐбĐ´ÑfллаÑ...Đ N^ÑfĐ³Đ¾Ñ"а
## Generic otions
lang: ru-RU
toc-title: "Đ¡Đ¾Đ´ĐμÑ€Đ¶Đ°Đ½Đ¸Đμ"
## Bibliography
bibliography: bib/cite.bib
csl: pandoc/csl/gost-r-7-0-5-2008-numeric.csl
## Pdf output format
toc: true # Table of contents
toc-depth: 2
lof: true # List of figures
lot: true # List of tables
fontsize: 12pt
linestretch: 1.5
papersize: a4
documentclass: scrreprt
## I18n polyglossia
polyglossia-lang:
     name: russian
      options:
                         - spelling=modern
                         - babelshorthands=true
polyglossia-otherlangs:
     name: english
## I18n babel
babel-lang: russian
babel-otherlangs: english
## Fonts
mainfont: PT Serif
romanfont: PT Serif
sansfont: PT Sans
monofont: PT Mono
mainfontoptions: Ligatures=TeX
romanfontoptions: Ligatures=TeX
sansfontoptions: Ligatures=TeX,Scale=MatchLowercase
monofontoptions: Scale=MatchLowercase,Scale=0.9
## Biblatex
biblatex: true
biblio-style: "gost-numeric"
biblatexoptions:
       - parentracker=true
      - backend=biber
      - hyperref=auto
      - language=auto
      - autolang=other*
       - citestyle=gost-numeric
## Pandoc-crossref LaTeX customization
figureTitle: "РиÑ."
tableTitle: "Đ¢Đ°Đ±Đ»Đ¸Ñ†Đ°"
listingTitle: "Đ>Đ,ÑÑ,Đ,Đ½Đ³"
\texttt{lofTitle: "} \theta_i \theta_i \theta_j \tilde{\mathsf{D}}_i \tilde{\mathsf{D}}
lotTitle: "Đ¡Đ¿Đ¸ÑĐ¾Đ° Ñ,аблиц"
lolTitle: "Đ>Đ,ÑÑ,Đ,Đ½Đ³Đ,"
## Misc options
indent: true
header-includes:
       - \usepackage{indentfirst}
      - \usepackage{float} # keep figures where there are in the text
     - \floatplacement{figure}{H} # keep figures where there are in the text
# ЦĐμĐ»ÑŒ Ñ€Đ°Đ±Đ¾Ñ,Ñ∢
ĐŸÑ€Đ Đ¾Đ±Ñ€ĐμÑ,ĐμĐ½Đ Đμ Đ¿Ñ€Đ°Đ°Ñ,Đ Ñ‡ĐμÑаĐ Ñ.. Đ½Đ°Đ²Ñ ⟨аĐ¾Đ Ñ€Đ°Đ±Đ¾Ñ,Ñ < Đ² Midnight Commander. ĐžÑĐ²Đ¾ĐμĐ½Đ Đμ
иĐ½ÑÑ,Ñ€ÑfациĐ¹ ÑĐ·Ñ‹Đ°Đ° аÑÑĐμĐ¼Đ±Đ»ĐµÑ€Đ° mov и int.
# Đ-адаĐ¾Đ¸Đµ
2.1 Đ-адаĐ½Đ Đμ 1:
ĐžÑ,аÑ€Đ¾ĐμĐ¾ Midnight Commander (Ñ€Đ¸Ñ. [2.1])
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![ĐžÑ,аÑ€ÑĸĐ²Đ°ĐμĐ¼ Midnight Commander](/labs/lab05/report/image/1.png){#fig:fig1 width=70% }
2.2 Đ-адаĐ½Đ¸Đμ 2:
ĐŸĐ¾Đ»ÑŒĐ·Ñ∱ŇÑÑŒ алаĐ²Đ,ѰаĐ¾Đ, ϊ¿¼ , ϊ¿¼ и Enter Đ¿ĐμÑ€ĐμĐ¹Đ´ĐμĐ¾ Đ² ааÑ,аĐ»Đ¾Đ³ ~/work/arch-pc, ÑĐ¾Đ·Đ´Đ°ĐĐĐÑ,VĐ¹
![ĐŸĐμÑ€ĐμÑ…Đ¾Đ´ Đ² Đ´Ñ€ÑfĐ³Đ¾Đ¹ ааÑ,аĐ»Đ¾Đ³](/labs/lab05/report/image/2.png){#fig:fig1 width=70% }
2.3 Đ-адаĐ½Đ¸Đµ 3:
Đ; Đ¿Đ¾Đ¾Đ¾Ñ‰ÑŒÑŽ Ñ"уĐ½Đ°Ñ†Đ,Đ¾Đ½Đ°Đ»ÑŒĐ½Đ¾Đ¹ алаĐ²Đ,Ñ^Đ, F7 ÑĐ¾Đ·Đ′аĐ'Đ,Đ¾ Đ¿Đ°Đ¿Đ°Ñƒ lab05 (Ñ€Đ,Ñ. [2.3]) Đ,
 \exists_{\dot{c}} \exists_{\dot{p}} \tilde{N} \in \exists_{\dot{p}} \exists_
![Đ¡Đ¾Đ·Đ´Đ°Đ¾Đ Đμ ааÑ,аĐ»Đ¾Đ³Đ°](/labs/lab05/report/image/3.png){#fig:fig1 width=70% }
![ĐΫĐμΝ̃€ĐμΝ̃…Đ¾Đ´ Đ² Ν̃Đ¾Đ·Đ´Đ°Đ½Đ¾Ñ«Đ¹ ааÑ,аĐ»Đ¾Đ³](/labs/lab05/report/image/4.png){#fig:fig1 width=70% }
2.4 Đ-адаĐ½Đ¸Đμ 4:
![Đ¡Đ¾Đ·Đ´Đ°Đ½Đ¸Đμ Ñ"аĐ¹Đ»Đ°](/labs/lab05/report/image/5.png){#fig:fig1 width=70% }
2.5 Đ-адаĐ½Đ¸Đμ 5:
Đ; Đ¿Đ¾Đ¾Đ¾Ñ‰ÑŒÑŽ Ñ"Ñ∱Đ½Đ°Ñ†Đ,Đ¾Đ½Đ°Đ»ÑŒĐ½Đ¾Đ¹ алаĐ²Đ,Ñ^Đ, F4 Đ¾Ñ,аÑ€Đ¾ĐμĐ¾ Ñ"аĐ¹Đ» lab5-1.asm Đ´Đ»Ñ Ñ€ĐμĐ
  ´Đ°Đ°Ñ,Đ,Ñ€Đ¾Đ²Đ°- Đ½Đ,Ñ Đ²Đ¾ Đ²ÑÑ,Ñ€Đ%ĐμĐ½Đ½Đ¾Đ¾ Ñ€ĐμдаÑ,Đ¾Ñ€Đμ (Ñ€Đ,Ñ. [2.6])
 ! \, [ \, \bar{ \mathsf{D}} \ddot{\mathsf{U}} \bar{\mathsf{D}} \mu \tilde{\mathsf{N}} \in \bar{\mathsf{D}} \mu \tilde{\mathsf{N}} \dots \bar{\mathsf{D}} \ddot{\mathsf{M}} \bar{\mathsf{D}}' \quad \bar{\mathsf{D}} \ddot{\mathsf{N}} \tilde{\mathsf{N}} \in \bar{\mathsf{D}} \ddot{\mathsf{M}} \bar{\mathsf{N}} \in \bar{\mathsf{D}} \ddot{\mathsf{M}} \tilde{\mathsf{N}} \in \bar{\mathsf{D}} \ddot{\mathsf{M}} \bar{\mathsf{N}} \in \bar{\mathsf{D}} \dot{\mathsf{M}} \bar{\mathsf{N}} \in \bar{\mathsf{D}} \dot{\mathsf{M}} \bar{\mathsf{N}} = \bar{\mathsf{M}} \bar{\mathsf{N}} \tilde{\mathsf{N}} = \bar{\mathsf{M}} \bar{\mathsf{M}} \bar{\mathsf{M}} = \bar{\mathsf{M}} \bar{\mathsf{M}} \bar{\mathsf{M}} \bar{\mathsf{M}} \bar{\mathsf{M}} \bar{\mathsf{M}} = \bar{\mathsf{M}} \bar{\mathsf{M}} \bar{\mathsf{M}} \bar{\mathsf{M}} \bar{\mathsf{M}} \bar{\mathsf{M}} \bar{\mathsf{M}} \bar{\mathsf{M}} \bar{\mathsf{M}} = \bar{\mathsf{M}} \bar{\mathsf{
2.6 Đ-адаĐ½Đ Đμ 6:
 \texttt{D}' \texttt{D}^2 \texttt{D} \mu \texttt{D}' \texttt{D} \mu \texttt{D} \% \ \tilde{\mathsf{N}}, \texttt{D} \mu \texttt{D}^\circ \tilde{\mathsf{N}} \tilde{\mathsf{N}}, \ \texttt{D}_\varepsilon \tilde{\mathsf{N}} \tilde{\mathsf{E}} \texttt{D}^* \texttt{D} \tilde{\mathsf{N}} \tilde{\mathsf{D}}, \ \tilde{\mathsf{N}} \tilde{\mathsf{C}} \ \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{N}}, \ \tilde{\mathsf{D}}_\varepsilon \tilde{\mathsf{D}}^* \tilde{\mathsf{D}}, \ \tilde{\mathsf{N}} \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{N}}, \ \tilde{\mathsf{D}}_\varepsilon \tilde{\mathsf{D}}^* \tilde{\mathsf{D}} \tilde{\mathsf{D}}, \ \tilde{\mathsf{N}} \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}} \tilde{\mathsf{D}} \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}} \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}} \tilde{\mathsf{D}} \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}} \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}} \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}} \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}} \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}} \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}} \tilde{\mathsf{D}}, \ \tilde{\mathsf{D}}
 (Ñ€Đ,Ñ. [2.7])
![ D^\prime D^2 D A D^\prime \tilde{N}, D \mu D^\circ \tilde{N} \tilde{N}, D^\circ D_\iota \tilde{N} \in D A D^3 \tilde{N} \in D^\circ D A D^\iota \tilde{N} \in J^\circ D A D^\iota D A D^\iota \tilde{N} \in J^\circ D A D^\iota D A D^
2.7 Đ-адаĐ½Đ¸Đµ 7
Đ; Đ¿Đ¾Đ¾Đ¾Ñ‰ÑŒÑŽ Ñ"уĐ½Đ°Ñ†Đ,Đ¾Đ½Đ°Đ»ÑŒĐ½Đ¾Đ¹ алаĐ²Đ,Ñ^Đ, F3 Đ¾Ñ,аÑ€Đ¾ĐμĐ¼ Ñ"аĐ¹Đ» lab5-1.asm Đ´Đ»Ñ Đ¿Ñ€Đ¾ĐĐAÑ,Ñ€Đ°.
 \underline{\text{D£D}} \pm \underline{\text{D}} \mu \underline{\text{D}}' \underline{\text{D}}_{\lambda} \tilde{\text{N}} \tilde{\text{N}}, \tilde{\text{N}}^{\sharp} \tilde{\text{N}}, \underline{\text{D}}' \tilde{\text{N}} \tilde{\text{N}}, \tilde{\text{D}}' \underline{\text{D}}^{\sharp} \tilde{\text{D}} \tilde{\text{N}} \tilde{\text{D}}' \tilde{\text{D}}' \tilde{\text{N}} \tilde{\text{D}}' \tilde{\text{D}}' \tilde{\text{N}} \tilde{\text{N}}, \tilde{\text{D}}_{\lambda} \tilde{\text{D}}' \tilde{\text{N}} \tilde{\text{N}} \tilde{\text{D}}' \tilde{\text{D}}' \tilde{\text{N}} \tilde{\text{N}} \tilde{\text{N}} \tilde{\text{D}}' \tilde{\text{N}} \tilde{\text{N}} \tilde{\text{N}} \tilde{\text{D}}' \tilde{\text{N}} \tilde{\text{N}} \tilde{\text{N}} \tilde{\text{D}}' \tilde{\text{N}} \tilde{\text{N}} \tilde{\text{N}} \tilde{\text{N}} \tilde{\text{D}}' \tilde{\text{N}} \tilde{\text{N}}} \tilde{\text{N}} \tilde{\text{N}}} \tilde{\text{N}} \tilde
! [ \theta \check{z} \tilde{N}, \theta \circ \tilde{N} \in \tilde{N}, \theta, \theta \downarrow \tilde{N}, \theta \circ \theta^1 \theta \Rightarrow \theta^\circ ] ( labs/lab05/report/image/8.png) \{ \# fig: fig1 \ width=70\% \} \}
2.8 Đ-адаĐ½Đ¸Đμ 8:
ĐΣ\~N,\~N,\~N\'∈D°D½\~ND»Đ,\~N∈\~NfΦμĐ¾ \~N,ΦμΦ°\~N\~N, Φ¿\~N∈Φ½D³Ñ∈аD¾Đ¾N̄< lab5-1.asm <math>D^2 D¾D±\~NŠΦμΦ°\~N,Φ½N̄<Φ¹ \~N,Φ0°D¹Φ» (\~N∈Φ,\~N. [2.9]).
Đ'Ñ<Đ¿Đ¾Đ»Đ½Đ,Đ¼ аĐ¾Đ¼Đ¿Đ¾Đ½Đ½Đ0¾Đ²Đ°Ñƒ Đ¾Đ±ÑŠĐμаÑ,Đ½Đ¾Đ³Đ¾ Ñ"аĐ¹Đ»Đ° (Ñ€Đ¸Ñ. [2.10]) и Đ∙аĐ¿ÑƒÑÑ,иĐ¾
â€~Đ′Đ²ĐμĐ′Đ,Ñ,Đμ ÑÑ,Ñ€Đ¾Đ°Ñƒ:' Đ,Đ¾Đ¶Đ,Đ′аĐμÑ, Đ²Đ²Đ¾Đ′а Ñ Đ°Đ»Đ°Đ²Đ,аÑ,уры. Đа Đ⋅ϰĐ¿Ñ€Đ¾Ñ Đ²Đ²ĐμĐ′у ÑĐ²Đ¾Đ,
ФĐ~Đž (Ñ€Đ N. [2.12])
![ĐžÑ,Ñ,Ñ€Đ°Đ½ŇĐ»Đ,Ñ€Đ¾Đ²Đ°Đ½Đ,Đμ Ñ,ĐμаÑÑ,а ĐኒÑ€Đ¾Đ³Ñ€Đ°Đ¾Đ¼Ñ<](/labs/lab05/report/image/9.png){#fig:fig1 width=70% }
![](/labs/lab05/report/image/10.png){#fig:fig1 width=70% }
 ![Đ'Ñ‹Đ¿Đ¾Đ»Đ¼ĐμĐ½Đ,Đμ аĐ¾Đ¾Đ¿Đ°Đ½Đ¾Đ²Đ°Đ,](/labs/lab05/report/image/11.png){#fig:fig1 width=70% }
 ![](/labs/lab05/report/image/12.png){#fig:fig1 width=70% }
 ![ЗаĐ¿ÑƒÑа Ñ"аĐ¹Đ»Đ°](/labs/lab05/report/image/13.png){#fig:fig1 width=70% }
 ! \, [ \, D' \, D^2 \, D \, \tilde{A} \, D^\circ \, D \, D^\circ \, D^2 \, D_\circ \, D^\circ \, \tilde{N} \, , \, \tilde{N} \, \tilde{f} \, \tilde{N} \, \tilde{\in} \, \tilde{N} \, \, \tilde{\epsilon} \, \tilde{N} \, ( \, | \, 1 \, \text{abs/lab05/report/image/14.png} ) \, \{ \, \# \, \text{fig:fig1 width=70\% } \, \}
3 ĐŸĐ¾Đ´Đ°Đ»ÑŽÑ‡ĐμĐ½Đ¸Đμ Đ²Đ½ĐμшĐ½ĐμĐ³Đ¾ Ñ"аĐ¹Đ»Đ°
in_out.asm
3.1 Đ-адаĐ½Đ¸Đµ 9:
3.2 Đ-адаĐ½Đ¸Đµ 10:
ĐšĐ¾Đ¿Đ¸Ñ€ÑƒĐμĐ¾ Đ¿Đ¾Đ´Đ°Đ»ÑŽÑ‡Đ°ĐμĐ¾Ñ∢Đ¹ Ñ"аĐ¹Đ» in_out.asm Đ² ааÑ,аĐ»Đ¾Đ³ lab05 (Ñ€Đ¸Ñ. [3.2])
 ![ĐšĐ¾Đ¿Đ¸Ñ€Đ¾Đ²Đ°Đ½Đ¸Đµ Ñ"аĐ¹Đ»Đ°](/labs/lab05/report/image/16.png){#fig:fig1 width=70% }
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![](/labs/lab05/report/image/17.png){#fig:fig1 width=70% }
3.3 Đ-адаĐ½Đ¸Đµ 11:
Đ; Đ¿Đ¾Đ¾Đ¾Ñ¾ŇŒÑŽ Ñ"Ñ∱Đ½Đ°Ň†Đ¸Đ¾Đ½Đ°Đ»ŇŒĐ½Đ¾Đ¹ алаĐ²Đ¸Ñ°Đ¸ F6 ŇĐ¾Đ·Đ′аĐ¾ аĐ¾Đ¿Đ¸ÑŽ Ñ"аĐ¹Đ»Đ° lab5-1.asm ŇиĐ¾ĐμĐ½ĐμĐ¾
lab5-2.asm (Ñ€Đ¸Ñ. [3.3])
 ![Đ¡Đ‰Đ·Đ´Đ°Đ‰Đ Đμ аЉĐ¿Đ Đ Ñ"аĐ¹Đ»Đ°](/labs/lab05/report/image/18.png){#fig:fig1 width=70% }
![](/labs/lab05/report/image/19.png){#fig:fig1 width=70% }
3.4 Đ-адаĐ½Đ¸Đµ 12
Đ~ÑĐ¿Ñ€Đ°Đ²Đ,Đ¼ Ñ,ĐμаÑÑ, Đ¿Ñ€Đ¾Đ³Ñ€Đ°Đ¼Đ¼Ñ ⟨ Đ² Ñ"аĐ¹Đ»Đμ lab5-2.asm Ñ Đ,ÑĐ¿Đ¾Đ»NŒĐ∙Đ¾Đ,ĐμĐ¾ Đ¿Đ¾Đ´Đ¿Đ€Đ¾Đ³Ñ€Đ°Đ¾Đ¾
ĐͺĐ·Đ²Đ½ĐμÑ^Đ½ĐμĐ³Đ¾ Ñ"аĐ¹Đ»Đ° in_out.asm Đ² Ν϶Φ¾Ν,Đ²ĐμÑ,Đ²ĐμÑ,Đ,ĐĐ, Ñ Đ»Đ,NN,Đ,Đ½Đ³Đ¾Đ¾ (Ñ€Đ,N. [3.4]). Đ¡Đ¾Đ·Đ′аĐ¾
 \begin{array}{ll} D_1\tilde{N}D_2D_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2D_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{D}_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N}D_2\tilde{N
 ![Đ~ÑĐ¿Ñ€Đ°Đ²Đ»ĐμĐ½Đ¸Đμ Ñ,ĐμаÑÑ,а](/labs/lab05/report/image/21.png){#fig:fig1 width=70% }
! [ \exists \ddot{\mathsf{N}} \tilde{\mathsf{N}} \in \exists \ddot{\mathsf{N}} \tilde{\mathsf{N}} \in \exists \ddot{\mathsf{N}} \tilde{\mathsf{N}} \in \exists \ddot{\mathsf{N}} \tilde{\mathsf{N}} \in \exists \ddot{\mathsf{N}} \tilde{\mathsf{N}} \tilde{\mathsf{N}} \in \exists \ddot{\mathsf{N}} \tilde{\mathsf{N}} \tilde{\mathsf{N}} \in \exists \ddot{\mathsf{N}} \tilde{\mathsf{N}} \tilde{\mathsf{N}}} \tilde{\mathsf{N}} \tilde{\mathsf{N
3.5 Đ-адаĐ½Đ¸Đμ 13:
Đ' Ñ"аĐ¹Đ»Đµ lab5-2.asm заĐ¼ĐµĐ½Đ¸Đ¼ Đ¿Đ¾Đ´Đ¿Ñ€Đ%Đ³Ñ€Đ°Đ½Đ¾Ñƒ sprintLF Đ½Đ° sprint (Ñ€Đ¸Ñ. [3.6]). Đ¡Đ¾Đ·Đ´Đ°Đ´Đ,Đ¾
! [ \theta - \theta^{\circ} \theta_{\dot{c}} \tilde{N} \tilde{J} \tilde{N} \theta^{\circ} \tilde{N}_{, n} \theta^{\circ} \theta^{1} \theta ) \theta^{\circ} ] (/labs/lab05/report/image/24.png) \{ \# fig: fig1 \ width = 70\% \ \}
4.1 Đ-аĐ′аĐ½Đ Đµ 1:
Đ;Đ¾Đ·Đ´Đ°Đ´Đ,Đ¾ аĐ¾Đ¿Đ,ÑŽ Ñ"аĐ¹Đ»Đ° lab5-1.asm Đ, Đ½Đ°Đ+Đ¾Đ²ĐμĐ¾ lab5-3.asm (Ñ€Đ,Ñ. [4.1]). Đ′Đ½ĐμÑĐμĐ¾ Đ,Đ·Đ¾ĐμĐ¾ĐμĐ¾ĐμĐ
Đ² Đ¿Ñ€Đ¾Đ³Ñ€Đ°Đ¼Đ¼Ñƒ (бĐμĐ· иÑĐ¿Đ¾Đ»ÑŒĐ·Đ¾Đ²Đ°Đ¾Đ¸Ñ Đ²Đ½ĐμÑ^Đ¾ĐμĐ³Đ% Ñ"аĐ¹Đ»Đ° in_out.asm), Ñ,аа чÑ,Đ¾Đ±Ñ< Đ¾Đ¾Đ°
Ñ€Đ°Đ±Đ¾Ñ,ала Đ¿Đ¾ Đ¾Đ¿Ñ€ĐμĐ´ĐμĐ»ĐμĐ%Đ%Đ%Đ¾Ñf аĐ»Đ³Đ¾Ñ€Đ¸Ñ,Đ¼Ñf
![](/labs/lab05/report/image/25.png){#fig:fig1 width=70% }
![ĐžÑ,аÑ€ÑĸÑ,Đ,Đμ аĐ¾Đ¿Đ,Đ, Ñ"аĐ¹Đ»Đ°](/labs/lab05/report/image/26.png){#fig:fig1 width=70% }
4.2 Đ-адаĐ½Đ¸Đμ 2:
\tilde{N}\tilde{N}, \tilde{N} \in D^3 \to D^2 \to
 ![ĐšĐ¾Đ¾Đ²ĐµÑ€Ñ,иÑ€Đ¾Đ²Đ°ĐĐĐ,е и заĐ¿ÑfÑа Đ¿Ñ€Đ¾Đ³Ñ€Đ°Đ¾Đ¾Ñ‹](/labs/lab05/report/image/27.png){#fig:fig1 width=70% }
4.3 Đ-адаĐ½Đ¸Đμ 3:
ĐịЉĐ даĐ ĐĐ Đ,Љ аЉĐ¿Đ ÑŽ Ñ"аĐ¹Đ»Đ° lab5-2.asm РЉĐ°Đ Đ¾Đ°Đ Đ¾Đ° Lab5-4.asm. Đ ÑĐc Ñ€Đ°Đ ĐĐ Đ¼ Ñ,ĐμаÑÑ, Đ;Ñ€Đ%Đ Đ Đ ĐĐ Đ¾Đ Nà (
Ñ Đ¸ÑĐ¿Đ¾Đ»ÑŒĐ·Đ¾Đ²Đ°Đ½Đ¸Đµ Đ¿Đ¾Đ´Đ¿Ñ€Đ%Đ¾Đ¾Đ£Đ°Đ½Đ¾ иĐ· Đ²Đ½ĐµÑ^Đ½ĐµĐ³Đ¾ Ñ"аĐ¹Đ»Đ° in_out.asm, Ñ,аа чÑ,Đ¾Đ±Ñ< Đ¾Đ½Đ°
\tilde{\mathsf{N}} \in \mathsf{D}^\circ \mathsf{D} \pm \mathsf{D}^\chi \tilde{\mathsf{N}}, \\ \mathsf{D}^\circ \mathsf{D} \times \mathsf{D}^\circ \mathsf{D}^\chi \mathsf{N}^\mathsf{T} = \mathsf{D}^3 \mathsf{D}^\chi \tilde{\mathsf{N}} \in \mathsf{D}_\chi \tilde{\mathsf{N}}, \\ \mathsf{D}^\chi \tilde{\mathsf{N}} \in \mathsf{D}_\chi \tilde{\mathsf{N}}, \\ \mathsf{D}^\chi \tilde{\mathsf{N}} = \mathsf{D}^\chi \mathsf{D}^\chi
 ![](/labs/lab05/report/image/28.png){#fig:fig1 width=70% }
4.4 Đ-адаĐ½Đ¸Đµ 4:
! [ \bar{\theta} \ddot{\mathsf{N}} \bar{\mathsf{E}} \bar{\mathsf{D}} \ddot{\mathsf{N}} \bar{\mathsf{E}} \bar{\mathsf{D}} \dot{\mathsf{N}} \bar{\mathsf{E}} \bar{\mathsf{D}} \dot{\mathsf{N}} \bar{\mathsf{E}} \bar{\mathsf{D}} \dot{\mathsf{E}} \bar{\mathsf{D}} \ddot{\mathsf{N}} \bar{\mathsf{N}} \bar{\mathsf{N}} \bar{\mathsf{f}} ] \ (/labs/lab05/report/image/30.png) \\ \{ \#fig: fig1 \ width = 70\% \ \} \\ (/labs/lab05/report/image/30.png) \\ \{ \#fig: fig1 \ width = 70\% \ \} \\ (/labs/lab05/report/image/30.png) \\ (/lab05/report/image/30.png) \\ (/lab05/rep
# Đ¢ĐμĐ¾Ñ€ĐμÑ,ичĐμÑаĐ¾Đμ Đ²Đ²ĐμĐ´ĐμĐ¾Đ¸Đμ
Đ—Đ´ĐμΝΝŒ Đ¾Đ;Đ,ΝΝ̃ «Đ²Đ°NŽN,ΝΝ̃ Ν̄,ĐμĐ¾N€ĐμΝ̄,Đ, Ν݇ĐμΝаĐ,Đμ аNĐ;ĐμаN̄,Ν̄ «, Ν̄Đ²NΦ·Đ°Đ¾Đ¥Ń «Đμ Ν̄ Đ²Ñ «Đ;Đ¾Đ»Đ¾ĐμĐ¾Đ,ĐμĐ¾
Ñ€Đ°Đ±Đ¾Ñ,Ñ∢.
 DD^{\circ}D_{2}\tilde{\mathsf{N}} \in \mathcal{D}_{1}^{\circ}D_{2}\tilde{\mathsf{N}} \in \mathcal{D}_{2}^{\circ}D_{3}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{3}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{4}^{\circ}D_{
\theta^{\circ}\theta^{\circ}\tilde{N}, \theta^{\circ}\theta \gg \theta \%\theta^{3}\theta \%\theta^{2} Unix.
: ĐžĐ¿Đ¸ÑаĐ½Đ¸Đμ Đ½ĐμаĐ¾Ñ,Đ¾Ñ€Ñ<Ñ... ааÑ,аĐ»Đ½Đ³Đ¾Đ² Ñ"аĐ¹Đ»Đ½Đ²Đ¾Đ¹ ÑиÑÑ,ĐμĐ¼Ñ< GNU Linux {#tbl:std-dir}
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| ĐžÑĐ¾Đ³Đ½Ñ∢Đμ ÑиÑÑ,ĐμĐ¾Đ½Ñ∢Đμ уÑ,илиÑ,Ñ<, Đ½ĐμĐ¾Đ±Ñ...Đ¾Đ´Đ¸Đ¾Ñ<Đμ ааа а Đ3Đ
    ΄Đ½Đ¾Đ¿Đ¾Đ»ΝŒĐ Đ¾Đ²Đ°Ν,ĐμĐ»ΝŒΝаĐ¾Đ¼ Ν̃€ĐμжĐ,Đ¾Đμ, Ν̈,аа Đ, Đ¿Ν̃€Đ, Đ¾Đ±Ν̃«Ν‡Đ½Đ¾Đ¹ Ñ€Đ°Đ±Đ¾Ν,Đμ Đ²ΝĐμĐ¾
D_2D_3D_8N_0D_2D_8N_0D_4
                  `/etc`
                                                                                                                                                     | ОбΝάδΡμΝΦ, ΝΝ, ĐμΦΧΦΧΝ, Φμ Φ°ΦΧΦΧΝ, Φ, Φ°ΝΤΦ, Φ°ΝΤΦ, ΦΝΤΦ, ΦΝΤΦ, ΦΝΤΦ, ΦΝΤΦ, ΝΑ, Φ°ΦΝΤΦ, ΦΝΤΦ, ΕΝΤΦ, Ε
\tilde{\mathsf{N}} \tilde{\mathsf{f}} \tilde{\mathsf{N}} \tilde{\mathsf{N}}, \tilde{\mathsf{D}}^{\circ} \tilde{\mathsf{D}} \tilde{\mathsf{M}} \tilde{\mathsf{D}}^{2} \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}} \tilde{\mathsf{D}} \tilde{\mathsf{M}} \tilde{\mathsf{D}}^{2} \tilde{\mathsf{D}} \tilde{\mathsf{N}} \tilde{\mathsf{D}}^{2} \tilde{\mathsf{D}} \tilde{\mathsf{M}} \tilde{\mathsf{D}}^{3} \tilde{\mathsf{N}} \tilde{\mathsf{E}} \tilde{\mathsf{D}}^{\circ} \tilde{\mathsf{D}} \tilde{\mathsf{M}} \tilde{\mathsf{D}}^{3} \tilde{\mathsf{D}}^{3}
                                                                                                                                                      | \  \, \bar{\theta}_{1} \bar{\theta} \\ \text{$^{1}$} \bar{\theta}
   l `/home`
Ν̈Đ²Đ¾Ν͂Ž Đ¾N͂‡ĐμÑ€ĐμĐ΄Ν͂Œ, Ν̈Đ¾Đ΄ĐμÑ€Đ¶Đ°Ñ, Đ;ĐμÑ€NĐ¾ĐаĐ»NŒĐ¾Ñ‹Đμ Đ½Đ°ṄÑ,Ν̃€Đ¾Đ¹Đ°Đ. Đ. даĐ½Đ¾Ñ‹Đμ Đ;Đ¾Đ»NŒĐ Đ¾Đ²Đ°Ñ,ĐμĐ»Ñ |
                                                                                                                                                   | Đ¢Đ¾Ñ‡Đ°Đ. Đ¼Đ¾Đ½Ñ,Đ.Ñ€Đ¾Đ²Đ°Đ½Đ,Ñ Đ′Đ»Ñ ÑĐ¼ĐμĐ½Đ½Ñ<Ñ... Đ½Đ¾ÑĐ,Ñ,ĐμĐ»ĐμĐ¹
                   `/media`
                                                                                                                                                     | Đ″Đ¾Đ¾Đ°Ñ^Đ½ÑÑ Đ´Đ Ñ€ĐμаÑ,Đ¾Ñ€Đ Ñ Đ;Đ¾Đ»ÑŒĐ·Đ¾Đ²Đ°Ñ,ĐμĐ»Ñ `root`
                     `/root`
                     `/tmp`
                                                                                                                                                     | Đ'Ñ€ĐμĐ¼ĐμĐ½Đ½Ñ∢Đμ Ñ"аĐ¹Đ»Ñ∢
                       `/usr`
                                                                                                                                                      | Đ´Ñ,Đ¾Ñ€Đ,чĐ½Đ°Ñ Đ¸ĐμÑ€Đ°Ñ€Ñ...иÑ Đ´Đ»Ñ Đ´Đ°Đ½Đ½Ñ∢Ñ... Đ¿Đ¾Đ»ÑŒĐ∙Đ¾Đ²Đ°Ñ,ĐμĐ»Ñ
Đ'Đ¾Đ»ĐμĐμ Đ¿Đ¾Đ'Ñ€Đ¾Đ±Đ½Đ¾ Đ¾Đ± Unix ÑĐ¼. Đ² [@gnu-
doc:bash;@newham:2005:bash;@zarrelli:2017:bash;@robbins:2013:bash;@tannenbaum:arch-pc:ru;@tannenbaum:modern-os:ru].
# D'\tilde{N} \cdot D_{\dot{c}}D\tilde{M}D \times D\tilde{M}D + D\tilde{M}D \cdot D + D \times D^{\circ}D \pm D\tilde{M}\tilde{N} \in D^{\circ}\tilde{N}, D\tilde{M}\tilde{N} \in D\tilde{M}D \times D^{1}\tilde{N} \in D^{\circ}D \pm D\tilde{M}\tilde{N}, \tilde{N} \in D^{\circ}D + D^{\circ}\tilde{M}D \times D^{1}\tilde{M}
Đ½Đ° ĐịллÑŽÑÑ,Ñ€Đ°Ñ†ĐịÑŽ (Ñ€ĐịÑ. @fig:001).
![ĐаĐ·Đ²Đ°Đ‰Đ,Đμ Ñ€Đ,ÑÑfЉĐ°Đ°](image/placeimg_800_600_tech.jpg){#fig:001 width=70%}
# Đ'Ñ‹Đ²Đ¾Đ'Ñ‹
 D - D \cdot D \sqcup \tilde{N} \tilde{N} \tilde{C} = D \circ \tilde{N} \cdot \tilde{D} \circ \tilde{D} \times \tilde{D} \cdot \tilde{D} \times \tilde{D} \times \tilde{D} \cdot \tilde{D} \times \tilde
# Đ¡Đ¿Đ¸ÑĐ¾Đ° лиÑ,ĐμÑ€Đ°Ñ,Ñfры{.unnumbered}
 ::: {#refs}
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