= Host-specific information ==
$> hostname; uname -msr
deepthought-2.42lisboa.com
Linux 5.15.0-144-generic x86_64
$> date
Mon Aug 18 09:47:30 PM WEST 2025

= User files collection ==
Collecting user files from Vogsphere
Repository URL: git@vogsphere.42lisboa.com:vogsphere/intra-uuid-019f22b4-f903-4ff7-9751-
292933900c29-6805783-ysantos-

= Git history ==
$> git -C /tmp/tmpitfu8vms/user log --pretty='%H - %an, %ad : %s'
f9866a48a8f296d259ae63da38c8aa2b0f08e219 - Yuri Augusto Santos Nunes, Sun Aug 10 22:03:03 2025
+0100 : done
bd0e664fbeb6b1ce0e376308b255dc165abb54fa - Yuri Augusto Santos Nunes, Sun Aug 10 18:53:47 2025
+0100 : ex02 done
deb4631e7b8e95beceb30a0e92f99dc93f092478 - Yuri Augusto Santos Nunes, Sun Aug 10 18:50:16 2025
+0100 : 01 done
7d7e45f8d61708de0f95da57ebc5f44dafe89c31 - Yuri Augusto Santos Nunes, Sun Aug 10 18:46:17 2025
+0100 : 00 done

= Collected files ====================================
$> ls -lAR /tmp/tmpitfu8vms/user
/tmp/tmpitfu8vms/user:
total 20
drwxr-xr-x 2 root root 4096 Aug 18 21:47 ex00
drwxr-xr-x 2 root root 4096 Aug 18 21:47 ex01
drwxr-xr-x 2 root root 4096 Aug 18 21:47 ex02
drwxr-xr-x 2 root root 4096 Aug 18 21:47 ex03
-rw-r--r-- 1 root root 1121 Aug 18 21:47 __GIT_HISTORY

/tmp/tmpitfu8vms/user/ex00:
total 4
-rw-r--r-- 1 root root 1094 Aug 18 21:47 ft_print_program_name.c

/tmp/tmpitfu8vms/user/ex01:
total 4
-rw-r--r-- 1 root root 1133 Aug 18 21:47 ft_print_params.c

/tmp/tmpitfu8vms/user/ex02:
total 4
-rw-r--r-- 1 root root 1108 Aug 18 21:47 ft_rev_params.c

/tmp/tmpitfu8vms/user/ex03:
total 4
-rw-r--r-- 1 root root 1733 Aug 18 21:47 ft_sort_params.c

= ex00 ==
$> cc -Wextra -Wall -Werror ft_print_program_name.c -o user_exe

$> cc -Wextra -Wall -Werror ft_print_program_name.c -o ref_exe

= Test 1 ==
$> ./lc5hja87x7i0z9o3wneovvpx
$> ./lc5hja87x7i0z9o3wneovvpx
$> diff -U 3 user_output_test1 test1.output | cat -e

Diff OK :D
Grade: 20

= ex01 ==

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$> cc -Wextra -Wall -Werror ft_print_params.c -o user_exe

= Test 1 ========================================================
$> ./4i23x12s39qzu9h5fi9kumtl
$> diff -U 3 user_output_test1 test1.output | cat -e

Diff OK :D
= Test 2 ========================================================
$> ./lwf5d5wnvk6zwww3looervrm HNnaf
$> diff -U 3 user_output_test2 test2.output | cat -e

Diff OK :D
= Test 3 ========================================================
$> ./cex66ufbm6saw7at59kapylp Zx6Ehfw
$> diff -U 3 user_output_test3 test3.output | cat -e

Diff OK :D
= Test 4 ========================================================
$> ./u9u53atvx53kfd5cr2cu2v9g "cgqyj tQ1s BGIi0ubSrAmkxOXYE 86V5jR UkZ7vh60Anf9
o8wMmZYjT7Qp96J pUFAk R3OSBaVXyHJTwE VbpNrIk WFA0 MhInpbCOq40iAajRm 3ecptj6S
0YjW8yHkKFdOMb RtdKEp lbZ gqxvNjEaA3B 0Sd HbpFe8cV46G5uX2J"
$> diff -U 3 user_output_test4 test4.output | cat -e

Diff OK :D
= Test 5 ========================================================
$> ./7h98r57kza4lgowhv0d3cy29 "OqI5cmfyPJkNt LvUp 0vys WHKQ Z1JdVw0A8Qf3Lu K2hL7XHtfQ38AeF
uWlH1dpbo78J9KaQ6 0puRA3kTJF2hSz f79RGDbK2"
$> diff -U 3 user_output_test5 test5.output | cat -e

Diff OK :D
= Test 6 ========================================================
$> ./3ocw967l3wbw8wqtukmeb02x DFZn0d8HJY6qj fa4hcLgi NR9tvLjZqQyIMw lKfkUjnYv8hJw4ec
P7qa1rDzyc MLbP7snqVrB6j uFCQ07nxYdXsaD29W 6FaLTo q4sFUNe1D6j8AB3C AnPzCjx07GyN1Xk6i
70B51m6gWxhT3 nXmgQ wsljgyCne x1N4yjbUu8T
$> diff -U 3 user_output_test6 test6.output | cat -e

Diff OK :D
= Test 7 ========================================================
$> ./vjharkse54jqu66zsmwkkhiu LhXGU G76PlvFowmcuI3 1ExL vdEGxHX75M CZSTpUi0jXR txp
BEqlLNQ4U XQjMFtaS8mETlL xPn 5xhsPMOwJkQu8
$> diff -U 3 user_output_test7 test7.output | cat -e

Diff OK :D
= Test 8 ========================================================
$> ./wxakfnfgnlorlawnf4q77jbl "co5FUuGyMrSTZ4a FpxV9TOfK nkuAH nFIsi 8RYmeCTPNqWpFvXjs
4oxeAKY3Dh8VGcWJf" "AgHfcEFl2uvix LkqQG85Wv 6lkt 9hZrzO4bCHdiyXMAI hBqf1Tv A9Vdr
aAzEc5QVphl NYqUoX1ZPMn3C j3WAsOExcoPp0 sAyp9 gKf upQzBChZ" "NOziXRk43 5UlwP
rJNQzKHF9dbRcwipn jW9khOMx5QYKXsC e46mTXy1UB7xud axLScfyHI5dMBW78 apLPmXo0QUsdwSO
BDmTo9POY WI25 SXut utFBKPwSo S5aqEwPih MQx jZcf YALWQB 9sjYWaUdzvG BzwtPkoLSlpcumsvE
CSBmV6A3neDuLThs" "7gR 5Le7 RAkZgj DT4y Ir03 ElfIudaCtjgQo0WY aJwG3 1K0G" "bczTJB4PpGLQiu
kVDwAvr PQJpEt7GHoR4T EsB5KbPceUdXYoy jhBlzJM lrEm 6dPb2DwVp fmJCvODAVtL5YqF EbAg2By
Uqt V103mevwnUkr9Dj6h 591 uraUg67siZ JMv fjBVULs8NdA 7Fhe RBM02 BA5u" "AkQrZqiClpU25xz1g
OBZNhVmqUliF8K 2gV cRD mIKD6qWhf8xMRSir IHn4iuz5WXs7QJ8 4Ksl5uSLAVM1N av6Oph3V1 ptb
zbf4p OjR5YfUJ3zA9n A54ZKENidl lEpUaV1mivT7LS6gK 2O7ISKJmfig5A QyDBtkEVUjHMvl4hA"
$> diff -U 3 user_output_test8 test8.output | cat -e

Diff OK :D
= Test 9 ========================================================
$> ./cmonf8xmvib9t7ixmabcxbs6 "be43B rGs fdwuQEmyJBSR Nlmc UTQfE OE3c4xozekQj6Y qKyvG"
"zYGMhN0r2EJ5l dqQDlYUjauci6Sy vT213Dw mS2ZwOXTbJMvh 2tpuKf84O iUIYpw qQo 2GCHRB
tCF2EZevoMTUi Jn9kZALF0l BJ21F8pLqhY5 CsA3nI Cx06s1Bq EXUrBMvinKDG MGc 6ZTlt WpzP
JktbhjH" "epYwuU6dVhH2cyA JEbys7KU218QZ oTJX2HMb9VYx E2k AS0tBD 2GCiferIPs4BY5nH
LG6bUuD02IFr oa7sputA2BFy3k RSasH tuc6qZljem 13zV MVLld vyjXomzTHSOiG okQyJjllOEeFu GQle
FjbvV2Tl" "2hRgaSMeDL3OX X4UARPrTF sNWj2lHAI7mh3wt46 5cHahdlWV eN6HRvbVuQh Kh0YoEtC
```

xbR69ZE UIhsZwXEjzHmTl LBvPECqmVoX noCkdwauKmVvUt4 eLzJv1B6G2PoK4" "8HUtdvfxcTC2Yh
FanotJU6uAVGbOk 0zeiq8wcQG2dRvXx5 XQ4TsOU9A2erBn fiE5RJeMraKSV m3oxvrP tuW5DH04jC
PqB2CUSX3vdxoZYF VeJT buK FpU1ZsNlzM" "lktdqPA890 L5gIboQ0hOwlx N9BDr OZpTBqwMSJCX
Nw5fbMg mH9vcY Xica7 XoOuJrczZ hbtqKL3W5X8d7z 9Jkv kP2bqsC IBAP g1VUHu O1Zov" "Wi0jOsd
edyauzWi8pqYLjkh vTFsaLyCRUfdiMP oOKsNrpSfMBby 5a3Fxs MLU41Js 5zc Bwc" "b4v1Oe3 tcl6xaLDJ
tWfU5gIGKB4LsoQc VbJl1a2yz7qZiI5U 6rjx3 6LYZhvINQw VK4z70mwTky3lrP H8
 ZVQAf06Nqd1lByD" "4nHAxSCJ2QfrE I0s5o486pJy WfM5HSqjBI2 B7eQVRaXAh6 gmaeAjt51cFV qoOGu
LVxzj2bGQMU5Ec BCKace FMvsKiRUSAhgj4W7 QnN hscV" "tlazInb8Z5R1yJX 20r EyznFU5
ZbjPQuJWedEBTtgA7 zEh nTMjFqSfl oj76l2xrYkNFt59B lw5IpyDOSGY" "afRU6Zc7Ixjkru fXDQ9Cc1
auYDPRfNEytAqVc zTt5UPliGB0 k4VXHKb ID0UnQyZFrifhGkTc XZ0VwCHTuFyJQmG pIusyOhKk6RMri
k5c" "MEb 7QpcMF0bZq 2sIrFpjM RPDx vGRoS16AT4 ZFotMjyivx6gW kU6C894hdWOReu MDm0d Aw5
9ZmNdBGizsVj7 b2O3 AMU 3sFGHi69d" "QaR trX0WvqK LuQhx1grYaFTC4 Ngp gsQkAyDmtRlb
bJtBQ3FIHTm5C9lj PRwJ4li0 PDwaplY60QbjdBzS lAsDm Rhnv5oJNVusyDlS1 hZs1I27nxqC3rcWX
laQ0BL1wHxPSkm93N XlMKsOe OtlUKXeh3 03k1O6geYxUmhW"
$> diff -U 3 user_output_test9 test9.output | cat -e

Diff OK :D
= Test 10 ===
$> ./vbeckjouavhupx6wpsjnopxe "YceiyIPdrJ7REkh9 IdNv vFDy5x8lk azY0nsxyl4WDjb" "TaBnbUN9qVg
JP15bjOF 9vxKHZCeRzIToAj huZqKiQT UnEr zGN5 EB5iftkF 3ak o4xuC2W5 6FVpo" "eG1K3AmSg
69UPuYNcrky b2GiC RAkqjseLW4dgJm wfrkGZoBR7bEYTCL" "AUcl 52cu8awTiV CtkbpoGda
8RoMm1QaWs3DcA pl9iaKj8nyvq M65v4fTYXHKSWo ZLvPVlaA 6gEQYspbZ ugjsVmHwA490Gh eYx1
3Hm7jWNcRyAdY0knV fQyh4 0J1lAhMS BU4bH5 yNcjr3R" "FAenyKZ3w yi0s8jv6oe7ul ZKuB FtA kVpnsf
QPmod6FvSan1jI4iU J5yjtvV JZGTr M0v3R7IKSYrOo M13SGVA 7Fch2Dvxijl1 VQX9ULSERTArOiK
wumQ4 8T4yiR5MDq fTSgpwVCI4jqm9kPi oekECD" "CGBW6cnTuQXJ tJHBLebV XeqHAdYm6
MdvgBuOoVJlrky 6vzDTk2gbdQjKUrBm 6w8aCAn3qgUvXohP5 oT5rAaNl d1pvLF 1IRAhU43b0QC Z17c
xupJ4IYde XQ9 LQl895IqteWZKuBT uBQ PBQHSagWpzLNk" "dGj7X9x 8z5UK lw7D58AMiBZ6 Pw4MxtL
jJaDCA6Ekwh2oF 3GBRev5Wgl0yXrQDL Q0YEot7URV2X4zO X8YP vpwbZ7hOBeLjXGxiJ
FrVJjRcT69gW5z Jnox0yP4U7S1QIB" "hZDMnjWqTK 61zpZm 9e7bs ylMwVhGqL2jNFHkB"
$> diff -U 3 user_output_test10 test10.output | cat -e

Diff OK :D
= Test 11 ===
$> ./qvldhgtq5kbp32y5kd2aq5zm "UVO9wr lIENj6zZH4MVyifJG 2gfAcaBWIMvUry 2TO qL6v9E5Z2
BzschUHIOXZ tubW0 XC8S aTvKtwDRYP 4Wivbj 3YRKXo dH03KQ 4KpCld cHILQ3EPCk furjT
9syRoVUtQG 2lK91RhYLIt" "5NkAJjpL QE8wpxDFt9a by4T8O92oaBE ck9S4 KoIZzDOfsXhvaAq F1wMGVi
8oO7nly0 WYVLFfJw3MInyr" "R6DHzmdUp1hE4yMj0 o9pesPyMLCZ2G8Tju WeXNOoUM8xsv2JjIC
QflEHXD 12TD83CsxXN5 gNWKHk N54aQEbty7M XNBbo9YRhDg e4rtZXlBUqR0gzpP Vg1PaoJyCfn5Bp
vN9S6BT vRiOmS3G9cN2rJo ImWrxJlOuBhKtDoiQ fLJnCUjhrK82GFA qiP8V4IjW xTDfhV1Y
ibmzaIGZJYu4 i6k1Oh5MgyqXP" "SycJ 0zJQTkChjLs9 lytvAR7i2bpHsnq O1jIsdZC3Ar84TUKi
qoJvVeWTtIO ZB6b4CGLXVg Pi1x SmVZzbAotw3xM1nYh LNE0RhlBnO9Z f9D426wVpWk5BgnjU
QEzhAgJqaTkR lDGyERCWZjo 4ei6UBEW hRps9tKgqkL1YxIl IuRSmX ib0e 7Se6zH" "aF3cJMrNvUtnob
K09zVJ5b4WeFCYxu YvwF TmVSx1j4FODHJe tnQcCijDA rh8gIosH3OZWC CPaIKyM0V68pLd4 8k6p
zKxhi7RalO vUB52cVK L0B3yGMHe smGhpENBXqY6gJ wfsonPuvmr7pL dvMIKWSg4VYHU0
fy0pSDi4M3BX nbV6fXNs PdhQ2U zCYF5mOv3x" "0sZCIViMXUBqlwob vFefac2 dpxD Yk3mnApdJSR
cO6gwn34QkMENAPr 0
 kaMw7g25vEXJsWT 9i7g1skef OE4iIk swhCQFJjbHuW jp2o7B hReBudCHQtJ57U1DN 9CBY PYtpdQ
CVdrMeA sHpCiq PbvW3p4GROUXZry" "7fgjOJ E7I3UrvBQ1bX r9M r3YmJAF69Llna2 R6o7yFkGwY1WS
DeE9ciZTGsQau Qtlq9d26rfcLgwDo7 lSXJ0TvqK5PHgn sjqdDX LWY3RNm 6siKCu WP6f3XwE7jcLJ1
tS1DRFYk m47I lrGIFSQkuCmBqL0A" "p0UhkgWudPtS7 uOs0P3 HcjdCRSsa8Kq JkL9GIA0 u5pJRnf yVjrB
qlwSmEpNPaM mqgncQ5A2 xpVYrZGbjhA6JnUP wkF aGS8F4BmW3 LBrq3vnxJ pdaUFigQ8oMbAw
gta4TIfqy" "6qbems2wMQ1Bzv 4RWq2tV5ZsuUPcB6y xr95bAs8wWDcLm k07C9t oauU4W AtGQX rf9hBP
8p7lBIvEVFAbouhWr tCzs2L0Ap m46LYaPMf rJ8fZS752 90Dt4AyqG E2oGFQ8PV HRDtg"
$> diff -U 3 user_output_test11 test11.output | cat -e

Diff OK :D
= Test 12 ===
$> ./p8u2cyuby4ere0cwzqzwg27s "mVyRutNeI 2wK3OnbYf7L6UojN YhjN oki8SNgpsRtvLxAX"
"JunaWLezic1qQtr yBwEXW19smxRMhVd Q0vgnur 3w0hNrIP45 xVsCTn Dq1fsE uk6"
"UKugyTf3Q1Or2MD OtiBK7m0EpeSMYk2P IqnU1X2d7iaLoF zxqsbIK2DkOl9vw j3w hZwHYs3pEf
XegD76kf 1itH9gwvdro XykWrmHIZh z8hE V5MozdZRvw2eI" "ZtMfxq xzZ qUTwMIVx6jC Rnbd6WPq0xycM
1jKm8c sz69HSmrxtnTi nrHOtT"
$> diff -U 3 user_output_test12 test12.output | cat -e

Diff OK :D

```
= Test 13 =========================================================
$> ./3h9cxf8qajfrkbevtrknn4j9 "w7Cz9YNniB 8s3U1euAcSB56 eYflHvM7SXRruL6x8 mDrlzO
YlL6lwOnupihRrVE 3aNgPH bp3m BUDxyK KGCymIsVlYDu6 KcOq83W lSboN8a 5WgcdeCs0"
"eBlxUY1s25wMLF Y2g AcGh1OXIR0PvBzW KbkFrUv FXYN1AaCrE Udk7HPM lgPCISc9wLA
BSdJ0Qmcz6p 9gqW0ts3z8Q 0lL9NWtTbyZJxn EsU" "yR8 ELJfZ4owlaBx8 RYSN36jxhWTlVH19
odAW953uf wqkd 1lpsqSBhvQ06T bXe 8aB9TjkgL5FK1 y7zXYN2JcQphLb ZQlH 9a7pxJFd3cmyve4"
$> diff -U 3 user_output_test13 test13.output | cat -e

Diff OK :D
= Test 14 =========================================================
$> ./m2xv5wj1bknollnt1ak3p9yx "cXAR4zDqFMw QF2 92ScN1h7jslip6m P3b7HCS85oQVl2gh
hkt2zo3dfU0naC8AR xzi6XOs1flagLP M7FsKygZuI2q 0GlS2 z3tbB2 EgMTjPNb3x nke9oUA8dM6"
"hJ3tBPuGzIpDwmT8S Ri4Ql AQfXRDpJ wuXt 9KBXV0hcAQvLbx JwiVLz8k7x0y9aZNm
vVDl4Udsn8wpP3X LJMxTztEwDsP3u eXi 1UvreG8 G4AR7B3jyXdhkU QVW4wel Rj05e4zUclQo7uhD9
CPNjicreM ljmqiEl imfqXNzWVR" "dxhIJ3jBEKZP kpyEcGBKIqoDsd XGpF7Ho 7dzisE EBFq
zJM1lcBspgErb ClrIx9NGR0BFV oy0IOmRerB4KZ kw1EdKtXsu9pR UCmvLFuh6IEdJ1 Lx5wGukhYsF
LVnz2imZsK yFAIRCgMB91fzWtd" "3gHZYWfNou5UviF8 MOX6omqFWjDT 4fBpYVRNyj9TH0Us7 V4uD
m2AZtT GoVZbKTBmxPJqe gChl tvgJylFQWMmkXoPY xefZDrGVm0vji 516hBHsWnmay0 jTB6i
Jm1RMYp9a2QUy40 lRMGYipB zv9K8NTlf75VrSO 8mSq6Nnag59 WBuw y2tITe9LH VrqZnhi9"
"2CzrkVxPnhLe BAqSwTzjU eXGNndqCODU70B ucNhMHC6 VAfTNPkxdar ghZFw4NkOn
w5ezkxZvU6C3fyFXn w1g7sFSGxP0 3wHjgVPf8kophB dpoq9 HiZvQw"
$> diff -U 3 user_output_test14 test14.output | cat -e

Diff OK :D
= Test 15 =========================================================
$> ./k2fh06e7vrhxp6mri7zhua99 "i5Dsr QqRk8 rzyG1XdTpkuhDoYS EmL2yNUI WpJZgermHxnyzoX9M
eMiuDs X6VhRN sWOZo7GeU9uLpXT kaUX 0Q5JxFGfuU huQ4 t3CdnqmlBgED89sGw XGLPim2
O1T4ZDX5hVs kcuOGoBj0nfQEmYva 03WBgyP9M6KFDVbmN" "9wDtQR5SM1hdny YTKmiLsMNn Cjl
GDvhkI3J28 zr9l8dGFKMV aWxvh4Zo RhOIM4ByEbolkrt79 iT0lZFE3YbjcU kB0" "VPYoup CinEPjgGM
pGhg VZF16iR bx0CAO51N"
$> diff -U 3 user_output_test15 test15.output | cat -e

Diff OK :D
= Test 16 =========================================================
$> ./tya8fbbxwaqdt76h2mtqrsbl "IDMRGwBcixOfd 5RS4njKztHEvabW HcFOd SrfGF jekUm9Eo472
4i5CuTtLOMkZ lbhXIW5k0VQAE8g 3Agfl08DKp kSR xKjBRGAp eWRF2ruszYkd hRk72jcK
XZ6PLCkm0MldpRw qia0 hFynUkDo" "NcB1qbMoOzXZ2Pv W8iTh10Y3yxUt wDfcCY fbVkQnq F0dt1XeiS"
"j7SU 56MichePB naZoA1N zmCrpOBVcPd5U6K pu97 amg46vYkXCEVUb5Ds SipfbuBat" "DTrlXiK2m
NEw hUIsX3GWJuAdEaok 2cAC AUKzwpbc fi0eVCLzK8P srGDgkpZ1yFYx" "ATDcpvU4RHW08bI
IcmRDFxiOE IbHe95mLcQu6XK dBUm4NjJMC2Hry0cV lHpQuWFGL35J ap7h43zCrM EHL5x2djXFO
CkacZ5uGbnjJ WZzbJit" "VSpzUKgD KOBc y3b9QAq0dxMePpE ABQTVI VimW7ke9hzfbx8I
sf0LoWjtaTS2exvp Suky39ARwe5 Ism IXCT df2sV" "2Zwl6noyi 5HTkwLGrZmC31Fd GWw39a l0efqDh8"
"IbBL6rVkYF83Ki uvFxIoiV0 wMXzvfxVdkYn DVRv2XYOekZEt Y5iO ZYwL4RhXB e0fodBWbXsnTD
Vg3LrdOn7x98h qs3fUdY2 N4o9Tzfp3yv1F JWZlYP4MjrD th6P NPmTQ60W iqnUSAaOIMm4 nVbaY JF2z"
"YsBKzVgk rXG2w1E8gxm7 5gWMQ8autBpwSfKc 8dl9bIuPN7VmozwxG" "p4eZfW ekFBnL9zYg kze
RLtFnv1k 2WYuUgQN0ky8Dp14i BGf1cPKuql cZdmuFevVOpt4y9l CAbmEyxkuTWQa RWCQjmdvsP6IuB"
"QJa
 lwN3WvZxO5FY OV3mutX sTzK1y DbfUMCW udkaUbzn6D4A1LI9r P6To JycWs"
$> diff -U 3 user_output_test16 test16.output | cat -e

Diff OK :D
= Test 17 =========================================================
$> ./iogf3thsd41zul1md81sb3cx "Kgle7vpPEqif2x GhI0KUCty wDdLMvEunyWU8Tq7Z URYL dSbJiCA
t9cvqehJF8 KmXDhoT8W1eiZ XkCUatD0l2AM5Bg 59T7ver iT3hVqkrE50 89U" "wBXJimjWbcDI3lUVd
vSP48kqX2h nYFEZBz HrhJyVwvQuPjgb81 GWdej Cpu 7JHMU1emlci inFw04WE8q1sz7d Fix0UH HpewQ
CzbhJE6OWvYA 6fd4IRZxl891Lswg3 CBc860fmXjUQq4 pna NBE17nrxV9uWK" "wDnHa CWP5Lt4lNgfa
7SmIihnZVyLdc y72fZlBmtcAao s8hDN03VTC JKoUt B6t nW6H8P heARkziVa8CnH JXv5wnTaxs
MPkZ5uygwQ6O KRLY" "zBZVMIv3cAhmxp I30dJ L4VySrADTM Sj8hR7Eax2uU" "50D4 hagO3Xztxdj8I2y
XSLhisBFIKpQv xEU9hPN8V 8PuIrFHdX4 Q6EF3 EVfUZPFzvbO5 kd2j6KUs0 QSohu7Gwzc wVPgv0aR"
"C1ySDMUBqrZon hdjqcwK60L3xve krZu6L GWAkluzP QVZMDb1BatmFC2wH CY7yb8Gu5 GTFWphO2v
R8yzQ1OScBF Z0haUwNGF3MyRHT9l IMwauZ4O pOCW0k OL76wMeAz4lYyJH mGYEV6Wbnz
tqBwhm710JdWT" "mLBkg5wKAjcH nJDygxhVP Y1VxaqpLBdwFOCgbs VNEvi69l 4zXhZJ Hm6f7Fe
0Flu6E7WGSRchq Z7XiNK FkLOl7 XgPvaQk7 CYqz9obxfWMGD5U XnyZmesQjEf0YN8U1 Ye6
SUwIjYC2yu 3i4BwRgIJX" "5UF9eQ1oidxJtD mAz2OJx3g gomU7XJwDGdO1Zvtx juJ 4sW02 Opi" "i1hd
 j5aXm IZPeRN t3MOB1ruKYnUhEL ZABUvKgtJMs fPh N0U LAIij qNgJHaQYBK7b 34VOoZe1Y8QacltK"
```

"mD9hRnvkJrLcQ XA1F WsaBDzhy8PM X2VcnEO9xrQ uEWg1UkXMDIA pfwcTHJYqo8eV WO8K ftLuO6aXrx9s N5hk1TsJFyP NvgOn4JFaW3" "atLTo81 ZsP6xq0AOavR vSVGK ohcMZ0xa Q5k6aN4IhcCx7E MCuRSxKGmtAbwgP1D yiCaNc8IUWh6Znx c94fnC5dy8maTAxiI Ltc7K9F foGmdbHeXNt48iqE jQ21 MHQTzGlVCWIxbc" "2dehmra5wJbtfG70v zhlLK7dCVNAQbnE 9pugO4yrRn BTl45e90z WfpGzea0EkqIwi 6Hh9a oqu1wtZkj5WcSx0 TlYpub8m9i51MSw MunmS2 Rdt7VlKc4iJogzsY bKUjewBvAka48IymZ lUuCeN L3Kvx7djuQmzTAUqX" "if2D1LWmaqGjrt5o LQlfRMmFxHr uiFMUXm51 EvxyaBiqROAgSPsKj pELNIHZP5mx vtChRQOwq7oV q7WlKwI5DLYO0P nXJ0hSbf pVxRhBZljT kO8 ZtKwqyJcTrs1FR N4KULsgc2QikOhy kvLN 53WbmzGnK eE8" "6qA5 NV0Zhg 1hlzX kc6EVH01t dZr3c v8T5 FEZp6kb0n 9ywX OGpx7HMY N2aqLu h9z"
$> diff -U 3 user_output_test17 test17.output | cat -e

Diff OK :D
= Test 18 ==
$> ./yiu49jed273wy6kor6lon5kq "5xFU3JSgRwPAG9epj pnLvcEIhB M7SIQ HA0MmI2bOYlCcd7 Amduof8C9v0i 204w9LeWDog 5SugREirK01VeW YpIjleZkb lJEcBrNaPwj8 bKwDZrE" "ZNsTBqQo5Xf RWfsQujXMi0L rdzuEUb W9oBp3u 8WZKf0b cXZq5LD tP53yaRZ1CbNS cTP8loSx IEhD68HgPM3 wVtPEzMHLXkmRj hdgBt1P2wnfK 7KeqyD4ltZr52 7ErKMhqnN rqVGeMYdWQ6Dh5b GsLXle CiLb7rMvWtP 7IMjCyQA Cvm2AEMR4gj3wQUK" "urUb QRHn36um4tlTNY o63isYVRjM JbI2nUivo iqPMRpbZUVsgH3e IBx tvElmLy2F4GT6 dYkF50" "mRTzUoQ3lZ1hFf drxiM1jNAvkc2G sNG87 f9HruNUT6" "JMg4Vc5TkBv3 tiHEgVe9uvPX MfOEhoFwnu2AHg To04VfER9kJ6Q Wc7123Lqm NkMo G4ItmZKN w9l icLzdna50 ck3Kiwz Ovw1IW6V uPz1r uCnq sfDIPOxWMSbe" "DL7TbxyECrZ qf9aKsT UC1DO TYk0fAr VwIouDMj2amPsX51 54krjgs0 6r1wI tQnKxioY3ZRvudOM4 JE4G" "jSe2Ac5LoKB 9go8bY Ro1fGZMQLbv P7hTo4b8yUiDZjH pMuFO4J5" "weRPCEFygoA9dTZQ3 s0UdDI NCZRDp 2IKmZM3gBsWRx x6uBf918Uam K59TLrlbiEIO3 Pygx2KS iBu wzP dZuMrtVqgLP 6xT2tyjMnzX9qJuY BkIJMDWetlqXVj89 Nr4y2SEDmRM xTv9u51wkHqdC A6u 5evlC" "03jk2geJacC4fiUw cIFm wv9BQVAdk8WqrIHa7 STNwePHi iVqN Bj2NsoenAFLm7ZPI eIEbWVSKnGF8om VMgpW1Xh8 ws6IgZJf8CdKVj2O 6Twab kzZbuTaVg8cNK yp59VQ4Dm2kUvcGo FjU xnkUI2sR0XAzhZCKW NvFihk81CTrVtbIUu ZAJmHGr176Cv rzR96extk2bwPp 8ZysL1U9Rrepa" "r1zkAxv d0KUvx4zTfh kSR2K mNWP9Z1dBx65 fFHxa82GW 1mbgBqhE8uVCJki QPRKVw TOJGIk62xlZaNwrs EH3zBvR s0wyiU9rC5SItcm GFD iH7NXyahB0zQj ukTaGX5p pL62j4f C68oNvmGVdKL0"
$> diff -U 3 user_output_test18 test18.output | cat -e

Diff OK :D
= Test 19 ==
$> ./9xlze6lncko3ruszt76mopms "3XPV5BoLwdpWi7l1j VzA3M Wohs32 O2dNq5tvJPwYczUW pekjNYWn8lPIROKG 8BHCsyJL E4ODngPVmz9drpvh dyhLK j5fuG U3H UiAhjDfOmZgCKd p89Iurcyb yHhz1ljaBQ UxJWNf7r0siPZ4vo ntsCpSFk 7PqFYOg U0LfXi9shAbTcwV Pw70h" "IaoEgSjeW sCPvG325 DUHZraeJMk89dp iLfGU3bOeMPxWv1Z m2BOzxW 3DIbyxZg45nq98epS YaSACqFmXL2ud mDF kW2Opblw9SExf GNXRPfyE" "6kvbd Um7o2rvYw kqHYAQL e1NH7juVlwg WQ8KtLm H6mK feoYka5" "Vm7bKtWiuxewY Ug8oHjOyTf96 8G4gE5WL93KixTFP 35s2hpSmIdPa zGgVq0uX36 Yon9EZ3tLRiG BPhHNZ6gKi 3JBlVe9 Go21y7 ONF3MZY9wJctTBSiE VAts6pj5rTm Q8bVjCJhzsfZKBU"
$> diff -U 3 user_output_test19 test19.output | cat -e

Diff OK :D
= Test 20 ==
$> ./k37ze4rrpk9o48k2w0ovkg7n "623 JsE1TiFkpMBA6 KfMCoSUx4L fCiGK7rlqjDzFN y94Js1 K0wG5" "aiHU3jQ6M2 9YNOb CMJlfL6aBvijRcK Uq46FwpYuBOt 27dRy1BeAtkS5gFK G7AVCKLJ eBbMtkC4hrXnNJ9 BKyzjCOIDSL P0s4x29I3gvHo ifGVxNcJ6lXSRWzoT y3ksm5LIhAjoGQ FwhMvruT 0Pqs3n1zhcKRji c7lbYp5q8isR H0kuDLK" "MiScbGeg tz01QnH9WflV pt2n 2LrhojSkx3 B74sZwdJGz TwjcYR1zH3D MtgceN6owb 3H5Zu4b" "EsCeq WcYtJ2SAaFjuh7v XsCKyeEv1 CVdvIBauF597ZAgS aDm Iu3 S5nIkBs9uMj 7MbvlnN184QUzwBHY VF46yTCN8X1Gt TpSQht2 JO5EG3LCIXSNvfQV chpbld9826ynX g93c 5AHud7" "ybn4ogYvasfO sM987mDSfnZRcX YRWrDsjMzPeq48C vEN7OQaB6R2 Qj8lhMmdoBsTEtFxL q6KMSVNDER cUeCs" "jhfqgDkMITVBJrU8m JPgbuks7BWZA6Sa kJx kyFcbs YCs" "18F5vEPdg h69gEN8cM 3Wi1dmMvgTo u29Gzore8JywN3i uqi N4u1pGmaKhBxeqE6Y ngb6z15auYDGFmX" "yDBtZ vL95lqDhpH ojm 58yQNZGw1tjvqCU Dgw1 TqCwt5JHgiXYQo693 WibjkLUuDoe3T hPcKRUezfd 1uknj3bLBx2v0S"
$> diff -U 3 user_output_test20 test20.output | cat -e

Diff OK :D
Grade: 25

= ex02 ==
$> cc -Wextra -Wall -Werror ft_rev_params.c -o user_exe

```
= Test 1 =========================================================
$> ./aied7xhtomg2iw07akihtyca
$> diff -U 3 user_output_test1 test1.output | cat -e

Diff OK :D
= Test 2 =========================================================
$> ./oxwf7phdgxp7usb6lmqmglle oMmRk840VwBx5LENz
$> diff -U 3 user_output_test2 test2.output | cat -e

Diff OK :D
= Test 3 =========================================================
$> ./ua9jy317ncbw0kemkgbc1lzw U2uZCFYP3rn6h
$> diff -U 3 user_output_test3 test3.output | cat -e

Diff OK :D
= Test 4 =========================================================
$> ./ve9ixd6mdkhdpxa9fovvlwa0 "EvKD 43gFOe2kV 6bvSWLCmI1iNd5X rz36yMvfhFc wWiUKCv8sNuRX
8WLYDsXyI5 WT9zM 2j8c dlACsPpuaX3Z CUs6NxOtKvDmbpM"
$> diff -U 3 user_output_test4 test4.output | cat -e

Diff OK :D
= Test 5 =========================================================
$> ./i70gt0o5vdwocuhy8s5d7un3 "5FXT3j2lvdCkMp vaDmoSQ4Yf2CAe uSkrGT b8nAW1ovUjVauC"
$> diff -U 3 user_output_test5 test5.output | cat -e

Diff OK :D
= Test 6 =========================================================
$> ./puudcdycg0hvdmtzfjuor3iw q5y6I qRSWmlvF1nZJiC82 ZumBM4 875whHgfUqx3ADOI jDTp
x6lGtryDaoO9LHsF2
$> diff -U 3 user_output_test6 test6.output | cat -e

Diff OK :D
= Test 7 =========================================================
$> ./arf3hdhz1k1074o47tnwaiat mEQo9nC0vhTzBaNc IdgsY5WzTfQH zwCJnQXB vNa5h2fzn7LD4oSG
Zuyb59Blc 4LkhJ
$> diff -U 3 user_output_test7 test7.output | cat -e

Diff OK :D
= Test 8 =========================================================
$> ./168b5vdf75lr6uq9464yy53c "d8E2i7yVUwZ 2TnK Ty0NbcrxBA9 kKQPCpSWaw90uDysl aEvR3kOuhn
Bxq740 lL0AgZNjMfP cGPZIRFJgq0mBhuv xNzP8 UknvrQE8 DvZ6LQHlXaGdBFU ctqDy79 E3b2w75HZJ6l
gzGFu5HLr4 Z89IUH" "OreYcNL2 Jm4O6 tY0dXB2G mzQ jagihRGbV3kTYDsp dGx8i9AwjctKvS5I
6DxaMRZfyCeIHdLW 3rjt7d BWGL cDT5CVkHF9lmz FCZWQt9woP7ueBj4i gEu0Nbo BCePtkSbdz
IwGQ8pyMr0k3x" "ANsmz5fC 6x50Tz1Nl 9aKRzmWT8XPrh k61XFcVvmzY lhsunK5SXV4L0
MHKY20cIGA8iU csZdOK4bpnuSG1zg5 b5eEZyXHJ FhIxbcTKit3oDZ4" "dWo4r 1nvPUpFRZ4ji GrjkIvD l4L
jC1NKsfcguYphR3O MRFV7rf5y gdk1qA Fo3P isNcPWlk gCfEOM1p INbT467 DdP cx6IShNOXTfA
EYO3MejNwagT9b Ghz MCYlb5XkTA" "qphVtKjJ 4zV TL0dox CgL VcDCw 8EvKyDerq drMBhtvYGW
T4saZOBw2t8n Ppstb7V3TWBUr9qz dPtlwmon8fe7 2MmR85tqLFsrV 1sF 4IkPdiu LGY08SxPq
WkQU30y2R9P14i 4erbMz3GZFUmCiTJ" "EJBPMDlN4O0R MDYw4 5RaHEX839MU BCsxfrMbYN
GZ0Jefu481vD5zQ 7IWjnPMEfv CPtDsc36X 73WGdByaJnI4 Ms9uoVpTGK"
$> diff -U 3 user_output_test8 test8.output | cat -e

Diff OK :D
= Test 9 =========================================================
$> ./tmm4pkzj7qe9shdvilz2r3pc "PuAz nyG 1rm8PR5OBDwaTjfsJ QsryJjNZu4pC8izco DLqUBzlHMSK2gwi
Q5gPNbOEX9ZhBiY8J aDwO6MFtBlKbni9 xLqCgEkX spASoBdRhw1m2 4mOfCi 5ApzeUJwfCv2
WYKacMG8VOv0yp" "E2pwGfPJKa5TB AYZlzmJfRLu hRjuZO5atNU NjbM3WEH xHGg s8CxFmZW5
qsYw7yVSo98QPFz ojazBcJV pyV4sXYbc dIRn hK70V2rwa ROvFk6cbSK C9jTnZoh" "OMFWAm6KSNd2zi
vUrFIK7ElcwLZ UxSnbGsOQou9Jl chKtf95jSxIT2ivMd 9EM1m2cB iwvYAhN0UoZLd TxPR0 0nrhSc1jifap
XwZS2NJd bcvL VQMkOcr7LC" "Uq8ytZV6cAJi iPAU EoLT dFoBUJZnu3704c xWRXsEyO
DsOlxEvURSbk3Mu8V PSK6xaygU4DkWE qVy6E1 tgoevZrp" "W5AGRYku3ipfP yeWpXcDUYd ZlebW6
y1SE4BH Dmw8id4fozy i97xzSb8Y kE3V nVjsxIXwhqt AuKDgy 3heqWQAPIY y1Bv wEjJagGiLMxU7
R4dkGsrN FBQtZC5Nq" "4jc2 hcCIiK0u BVaWND728 HmqZhJswLuIeT95 8HxIJZsE6vOmV
0ME6PXFgyw7sOaA2 VQUA9jd txBQpgrYl0JKd3Ph Ilv8k cnOQPCW" "4ajHOxST HwI YBxCr1 py1kTX
```

1Qn5gqC8 hqmfG bH0F2zq9D DjvfY1aLmtBw xeCb MdXgW8691IrxFHh H9pJGZfwzKmd LC9gfZK345WHb
s9f jMDBraE2J395GKf yF8vWZ2M41qJu 47AjXuWg3nPyY1a 0ndUAfxliu14tR ZNdHaEequLIVFOB9C" "7Z
 vNjycfq 6KbXWF7zs8OfwvCkB YszG4f G74lDS9Lx6 wvRa JYMtfe50HDj3rXlo iFm P0J2xC3mN96MGis
JG71thaWK4d 8ctv1IjaYFwM5Ll qBXcmf H3KM8xR IlLW9B75bYnr UvtRYwfeHX69"
$> diff -U 3 user_output_test9 test9.output | cat -e

Diff OK :D
= Test 10 ===
$> ./77ny18pprn4yrsyf9zplyaue "3KWeGltAT1vHJ d8jz14fxWrtP7nbJl UlKHyxFXM83vrzwAN I30NVP
Dfgnp2ECaiKF6 7MuwXP9Z0 63HoNlV7y50 wLsTHb3C 4j98 hE2vCrRJ35LkU ZgOTmC MYy4rB1L7eUh2"
"OEZ5 KT82Hmi6s4yI0Y PfZljazGFHdQ91N E3ZkdU DYIT AJIus2 Tc2Jo TILYh39VO07euMA 60xLBl K7gyi
q0Ys" "NpZTWrzMnR mC21bKM IDvypMUd Mj2 l6Rq1aSoih 9eZ1NXYL5Ck 8pRkDVfoh 0Hx9fwQ
urLqQyRSJU8 LUdPQokb7I5e ofCsnwp5bdvkm Cfvae8ycgWY1I7F u47jmMB nONWIQ2DJ8yKC d3W812lt
amPr1Uoh5TF" "LPbT2po9JRUw5 cT3x0 nbDpVPr yhqQO6B xq9ADcb5K8ZF" "EvlVu rUPhyNpEogIq
nqPFUyOlMI fL9kjrCuRpFK EWyTmDZdbJ1 6H2GNhSEknqLZvD 0fr QdNtmB3Jz LMmE9
TGLq1MXUVFbzY3cC FNArs6MSEj8wDfb BQy vD3SzOkPMsnJK7 eEOQ0ghuizWVod7" "l2chLi eQhfa5B
3FZGtuVf aGyBs4qf F41bYxoNEhw6QJSlf zugQLI TNMfeV9nsY6ZBcd 7UmHcKRMG2s
VvHJPxAQSuI6pRLk mtjbz0uFoHlJgXASB ZlpwuTKgN28 xMRDIaHkmSEK" "kL4FTpu70 dTM6l
dn4oTi05CljVXp ht9IGOgbPa eSbBvsmAXgD JHdaQErRomwN cjXKJT m3hywxdui bMECA8IoL0Gn3
pE5WPDxVorY oN0Lr yU0SMpCjYRlJAx9c MOXw" "UhjL5aRYWFpvZdx9 Hx8irBXChYamz15f i4tjb6
E46jByz p6AS
 WiNYrq AfMREn6T205wW9uxd Df8RWFHCmvM7 W0zjXhrZyGHIFL ypJUngcTINkDv5d9 Pfg JTHl5bn0B
XNYSMIdpfekrJx QYo cOisaju lmT7ADiL2nuZc" "ukLaRcAVD QGW sVGwS5qcbrgQ idka b302oShPB1D
eUVa0oy8izv MBD80al2i5R7 wQPy5M2NR3be7L ISrV2mvJtcAkpYfu 4F3ZbM k8Olb7V uWpgJC5z9q
O4Uip2v3k 2sJYIHnBZmu98 i3Vm8vuZC 3JOdtM ycsVGHlgFukm2" "MzlZIdTS4Dp3Lscw TFb 5kOd
RcFdXeh4lw w4i NwAn1kFv zeXOkW148AmZ72u hJr0 NZQpx8AweK Q8JkCIWFTir CM097h
2EbVmT1RAKvG56eU gqRsdlEkbAv8yVLzI O285zJe 9UdSLClxD" "RqAa6 Ak6 2zUlwSfGOHJ
FGbxujHVvWs5 PXOTe1 xE6pj 2Do ngZ6TjlMyO" "zksboArELWJjBf efcPsyVGL8KoiQC WUVwQ6BpasPX
7kHO6rnjDguKZ o6Vc1 u20XeLKzMSqs mk7wahE40ZViWTN a84f0hnyI5XicZEW 9qfkMORh2"
"Cf7YJ1ZIG9y0 P29nvNIpifb7BG0 6ihecbwMHQO PyDvt5gFi3Y Lsxi D25 7xrspe4f n4ZjRThtu8aX ojl2Cp
iCtYsy6wSEW7v BDS hFJdz 6qzAL413 3J0"
$> diff -U 3 user_output_test10 test10.output | cat -e

Diff OK :D
= Test 11 ===
$> ./3u36irfkl4wazd8he12o6zrq "iPyA YrRTB nJS KNX1SPA67l" "QX1eCDk7NKtU4c FcdifVTmOt0wLA9
E71c PUA3DOLY xSq5UJ1FQu" "Oailhf XjErlgGhaBzKowyYp HWMu2pDT0 tPuW8XhinrCD iQv5tfyO8T
hkGxeurv4VQAwUt8 4DTocudNWI gw8CqbTjzP" "DRHzlE8p36jNI1Sef X9uiThKj3M4EFb 4sL20PDdB5ST
aZXCVnQ qOFS6brRPL nDG0xb1ANrOV sm3t8VHOwZMBJh GUVw" "u3vDXe dYl S15r8N2XUFa3z6PY
meZfSyiFzAq61L yJ8 g2ljCQGs7E9 pBbQoNnd0O" "T0RolvyEY sI4UKbwfoT6QmRhVW BoxOQWbzvu1a
Zb5APnIa7UFuYH3 6hcLp8J fX3tPUK hrKeEO2CxLNTGvF 6ZQhELP g9APz" "6u82IDKzNBdwUqpH5
Qcp6 RI2Q XVJHlhqR0ckE qst 6ThMgNuAlE 1D2qFNOLIV toWY7uVwlObiX cEt7RC8g63BIATa
2kvXBZiUctFef1wh0 iPAHUfaGM9SI 75x gL5 RHjfs1UG7SKF4gY 48B5RGojlZxH3awtK
JZ2Oa5XebEwKiH0F"
$> diff -U 3 user_output_test11 test11.output | cat -e

Diff OK :D
= Test 12 ===
$> ./59184ov0qwktqa4zbbxpiu7y "kC5M7fGKnNvc TvpmWtyDxL u3UE jfC5Zc Efo4GB hV9R8MfU
CKIwNn8mUOPA" "oc8Bsxr WFBHdyX TFO2QEGihkmcJle U8LOGNz ylQjg6Ve1Uo72s"
"iJw95mIX3oV6tLU vtqNeLnAdWPSyB3sI ynrH 61Hm8QDkOEN4CoZJ cWqSYTDBRm
Ir6sMl32gSvZKxAUd KS0WpbhmofH5Nu 3Teq2 ur2oi QpOyn Et0F OugjdwvQTq Zl3m7vOXg8xPcy
EKHwzeSBjg Op2bey I3RSbrWQ41APKcxJ8 YDuhbTIBZ16OC" "iDu2hpLsWS i9qjUa0bwWh
QqRY6T2kLoONl i4PeftvNsu0 92m57fCu OKLDZhET v0m89c63hEy jgefNTkDc" "c8fD4Nh6pZHQFx9
Dj8VH EbfAktea AWN6FZJanPowG iSEOYPpH36VJ vajU4tsfA67lL fxiU 5vW2YmC9TfUKp daveA4 ysQbc
p6scmTQV 2cH3 N8e36qCvzt V9j3JHb2E5wldM" "uqWlnRM0wYAL oIRcS3reyTaCsvYEW
ObHJ50awfZT1CLhA CcBDxrzETSq15WIX3 jJ46w197v23mx" "rcYuPS9Qx83 Wh9nyzVDXqbt1Mwjv
G1h0S C8DS427q6TQ 06a2 flIF8KXuYQs5LBMGR dIogKY0 nYOfylw2JaS1qbmRU" "7cC5HrpMFKf9
I0C4pfYtVWyw qKnd0GvwcP6B Hqy7fGC0di4 T8OuW1EXml9L4S H0A 0D7q1s6dAMBSGJOK
FxD4XAobaJ" "HbeKiMRpukvnj90rw zTeC7xNp pcux wdQJjEX nI6aWOoTY8rRh qcyGe3WwSP"
"BxyupLfms3qb0 O7Vkmo6qT1jLC5 XU6kTAgat YhUn2d Yl9zH7J85Cx
 ON yZTlQ473PXJUYsC5e nm47CJr1qThO9c8 BxlvUiH CZcAjp6qi EcZyP Nt4Mxs6OQjnr2klE oT95mbX
pbnDXOefcKJW8F9v" "FJQgI9cTzq8R 1MVt7hO sziQun6lo7BaFHb 3QOZbPoNx5gHa HjLpsucSxX80m
gz2wkdpDYH CBl2NLP oDbuCO uYD 07Q4cz2qRert FMeA XDI5jS9ahAP37m2 LZOBTuAie3 5Wu3 Czhf
dPzLpCm3F1Y0bRvD8" "eNoDjFglEh S6fqxrmnVKBGua xWEfu uv6S0 42VJX7u eP4fAb fD9yp6 CbPX

9tTVungX2esJ 0V9l483ba1qy 0iegu2t64W3ldp aiGCHcIX4UkrpfvWK" "a7bD KXAquVFhILsnDwO UIOeX
9frwp8GLVie2YI6lk 3yAoa8rvWnJbB0" "yCR0ip YOynq2AcCP3eELmMN yor1XCtdaBJNV
EOAnTBU3QIlG0v54d 9YsWb" "DoryuJKleLs6 uHnmtK U7drj3WJ6LT YTzu1pSsU5G4P rSpj9iwHMFZUA
49ZSoPJ1u2V0H"
$> diff -U 3 user_output_test12 test12.output | cat -e

Diff OK :D
= Test 13 ===
$> ./wvqopx1ah01d1kkbyqpj4qf6 "DSoQVtxiRml 6qhxz TOCoPS QoleYaZujPGrTF VsDqxrwY"
"UzY8yJs6XCSKB9q fhTQB35I6Geq kpm391KRbjQ KFIHEdeU CkcHmgO2Aa6t rUZ rZiWRGID8g0sS5
DKE2UcOwln4Gbg yUZVhFAWv87upT69a vC2aeohOdXjrMLxz NYaVug6FkCvG NbC3U GJ37BKC8Sy
efYR3HLjn WAmqSGUlMB" "ikvNbf ESWm5jBM62hs4o hUlE9wTmqFAP g2RiA5v6t" "FO7xr
zXh01pmDEZvKVQIxk chEvNmHq6Gsa 9386 y8Sd NJu 3LtrJ1KOyH7jD hOiJAeS43rXK 8bn1Y2TFEXq79g
dvV94yrOMCfcSQDTB AbWyU2q8lwuY kC05tYj I39WhMx5UYE 3h8TU0JieNa" "kxjVZDh7o nyotbqugJ
WMRHGdtjav6 2VwmIX5C X8WUEJiDPl971kzup 6z1ZyQ9CE uWvFic7b2BTkf9 y9ZwFo W4G7OSQby
ldzRbyMGKt 4qm0kGMfRFXoKCt d0YyBPFVgZlncokh6 5EXVH8P9lekFORis7 M4TA2ljBm a7oYt8"
"j2METBAKN vpCADqMU ekjw yHAhFs4d73TgDk NZLAKwydRFz 13cqMK KMjLCfvqm8PZ0s
RsHcE1tkySv0fuj6 IwGTYEBc6l5v xhMtRIAJeanYZVo"
$> diff -U 3 user_output_test13 test13.output | cat -e

Diff OK :D
= Test 14 ===
$> ./ufv04kjs23zu7lmfg0ny4r50 "pGVbko82vlrSU WV6kr reHNngbBLGRF C5HtWY 5blz7cr4VInd8Uo
9luYxcidTMGK HYjOtXeR8 6tCQBsvKmLR eu47vq8Vc1F9OtZ roKgJ 5RLdai 4UnpV" "zHd75t8pulA
hgrGobEFYt nOqa3wJCeNx qujJBURI1eLlc3 wCJv5k3L8O Bbol" "hDTIK B15hXv3KRtjbeG9
XDz5Cjmqu0Lk gIYAxz uevgnpO DM6Ua4dv n0EANOqhob8wS NFKpwBUhaDjS g9upn iQIyEtY9j6
km4VrcoEj7diL93T yfAElCHeVXj 6Qpncdyialr71" "gkq 7IMeXzEqgN4d 7TjpG8gzhokn oINy g8QcLTB39b
Laq4EA dfHOCVUjZgPKtk4 N8H7QYLGMBftoPUCg OtpmEoG8Li kEFI7 pTI" "wdp XQpgyOsEom3T
LCPplFZ ODmAW 6vqNi9eakX" "TSd97u2 g2jU 1U8 pjZz 84Vs uSkRU3nX15 aGXMSRPLzpc6A8 KXk1O4
7FKEB OU9JcV2qK3Mf1NE meJIo4twi0n7v6Uk HiWoJx3drZagC W4B6naXpKIgP5OE7 u0VvFG"
"2jFASZunB RLEebpcSfyt wu6E5qycN 05OioxUXL2hZ6rD seZOG9x7hqR HVqSi1A eydwLNUsMP
xOWHJabs 0JdX6Qfrag1h ka9Kn2S0ZCv4 bsQNjpry7gcKE1U9 vaD0ZN1J2Hsufrdw" "vnjl
jZ7L1Qv5EutwOBcz xNekfLyFu15 2jM5U8ThGClVYl" "7pGE cCUnK6R0 2DbofjKm7hLp
GCHrVFsw5m28Bg" "ydv3NM0o 7QM eVRvbArBNjmfaXOw 6d2 fYEGJp" "xcIpwBfzCLM G7r2 R5Ghp
92UrdXn3J1AR YXJ6dt
 CHs9kL5 K5iYjly81LqrgcWB vGkQm2UzNr 7dkj6o4tMUWVsYA0 t7Dc"
$> diff -U 3 user_output_test14 test14.output | cat -e

Diff OK :D
= Test 15 ===
$> ./abm3mstt9aoaf2esrr0bbus9 "NptUeYranqxbjL OPioLxC cEh z0aOSYwdfu3 IRLiJvrxGAV2C
eJnaHEKUdxGSN 4eFEV9YRzikBrav PJGAH 3RZDoa nfN5duV3eSIDr9ZJ utsGCl6z eOAT0VHGfX UG8
evS 9wMjSP JiRHUx cAw642m" "Ji85rvao DiNb1efmUs5Qa8R xJ2lp3O 9pK6fIX2A5hL" "UEfZod
ian6m2lOp CWQcArOdRemjhsNK sijM6N 0oOiDNQnYRAVdt5 AFq1lKedgnMRLfwi tNzS6rfc1y
oX1ZW6B2wy" "KmpzMUGOcHwPsa hNTl9vKd VstodvREzfceWyK2 kN1eA5 TV1PAXNglhFCamZb
GKE63gzTr zGyFchtiJbX XYKHy LZ6pnxT0Gh9RsH XnUlM EAb62 ruHMm1qLAa iTnGd6U" "e5zKPuL qMT
BYzExpF 8d53GqN04YOle1a6W lcn1 asS tx1SsN Ldk IMqih50z6G wokrcZg0NueC 4ikAj
NA9K7nD8LMSVhTW3 xGE2l9etmCcNn jQf3UxH EgxcZ19CpL6 1E8joq62YFZnhrC5" "c6M
sOBHDT07MywzeCfSF 48Cv1w5YozNxa n1b7GY2gFjx c42DAo CpLkOU6 3gKq7G4PsuV
iqVBJUo2RrnZPfkXe 0DY" "Hyz6R rBV9213OJ0K7Q CFV LsG6QVWHO 5ul4I7wbzqZmY f0mJ5SzU31P
xk6U9fVdRzGplMY ZYQSxMcqlE P3GYXlN vsX1m0F"
$> diff -U 3 user_output_test15 test15.output | cat -e

Diff OK :D
= Test 16 ===
$> ./0qthoiqozggapucf37bblqzc "Zk03CtN4Xw2D6pR gDKaS1IAvH0lL4r87 ND6IAlB0Xk1CG
VcSiYKd9O6DR0 xrYAWdkfJCelt tKaYHR3" "3YzI KncWw4mCZk 2RqFgv j1v KFdN FuTxI9spde3 NJP7yM
OH7fKwRa IJSgVzkurtqY4 MrOP3fCndgGR9ml6 DEwXnk JNu2z8EK6ew A9Gm5a JEHZWcVOapAKRt
lbfmKGAZIHYsaF ZQue85Pnzfc1hyE KGoVh" "aC9mdT43wZg OWcnSK2quIF6CUjm YguWeboOTD
LR9p1h HGhQp2D9m iy9jfz2cah1p ZKeLC4VbHlkUwq 9oZl4k0v EtwDhUdAuFM3rmOl fKATHy0 fXtrdIex"
"rseg4L paM2Rx NVHoA19Qk 0GTXP 5t2s zwmT 3eziLwW5F nip6blfht2j4 Lfb h3Znt4fJLXW yHI T9WIgZ"
"FpnD8vHmN4Q5d 3428hgWeJQEcrajDT iofWMkL1S2Qry7 bEwC CVznfw0OtIqrKks7 mlQv XrFD
OVFvNhP27 Q137hkHUrlV ZexjCEpzR tlOf8XZqy SRMKL7F PYCtXSpMDbheTjO4W QmYu61ZPBeKVbi
zRr3LQ1lGPU" "sxBflauLtgbDC6Y 4HhWcusxe5F ikvqHgmWrxBl0 nWRH SfYGbikwy AQkK1lPm7i 2u5P
uh7HX6Bc1 4DH" "g2WdBYQ4ZCJr6TqX fUO Bfoy7OC VuS1zmkN w2PbCxzNJ0 3WSzcplLrnQt

nE6Sux01BOvN 2zGBStfmUeQ86 uz93b wk8Mbd oTQr z0WMbn 8OMoaHA D7EzNRPLmBXga QyMTlK
xZnQsh" "ux7C oWnYX9CNHB8 IYwrUyN0u5XP3Ga RNdkjOyro53LDQT PewBl9otaWniEx ytJejHX
 iEhc3RqF T1qyraDgbB5fj j9bRzd7FQXA2PSxs HpI F3n2EKlDtpsqc5Shy DRrsAKz IGVYuqKUsgS6ZrD
fuywvKMZTdF q7c yLg8dKwAeo5hxzYBr A3gr"
$> diff -U 3 user_output_test16 test16.output | cat -e

Diff OK :D
= Test 17 ==
$> ./7dzlhdxcspwlxg1cl3bin370 "HRT6Eulgd7Y pra1eoNnOjExbZ3Mz Fpk1cR8zmGqDVd W1p ZqU6
0CUcL 7a96E0qjexdAuZV zTaxnuDwBpFYq 4p6aoryJCe78HOc 3qVEgx7bO GthnOHfW9Jozv BJms" "JG5x
eWQckJ IzX540EtQ7TrSKl 7UdrWvO8uwF0a2 ZXuxO 9aDkTE QfqJPgyItV gHb98NZKVLFfledCi h6FO"
"5pqw2K UJ5qM0Pvc4LeW jNUpsDtbg4H2ZRkw fAy9r OiGbnVrXN0H71gK TQ6zHd hxjk6T2gW8rNu4cLq
LiX4pUZx" "Om2x e48ufT 2njoDYxfTO8yCPpL4 rp16dxPgaN20J5nV rbzcV G0JF 8uFcs3Ljeh1 cMHWy
2hcB9sXKkbJjlL1 RIhT sp9ES coNEKbJzBilWG CTg0JShWrn64yQ FBYz4v1HPx7tEXo ZLJ8N1BkePnc3sl
L6AH xCi3 tJcKolSekXm" "KvBr1Ziek6OTGuf 4neUNTGpFOm0C5 tPk0jgNEdcRMrh
1IOlm5A0eZKbWCgXG cDe9RM Bzm6QGS9f7u5hOAJe OWGzba1w u1CROpALs GDmZd 9f2XGrPJ0Vw
twz RaoSm4TZ qngtajiLPc4e6uC2f DTjcHwWM50K" "hw2W3ra 1eT8lgmZtQW0p pI2vHdlybgxTzhj6
hSmkpsir5QROX PKtToYHwGQFcWu 7UyV 81Mzr6DN 0hOIKSmTIZ mhU0Ek7fa 5SR1Jo9dA7Yne40 Xa1v
s7TFmM 0iwPQlfeK 2Vij9tdJrNSyBTAn8" "jf8zYpEd fHCxhKTqtg3iXS DWV1yU4x Vz3XD0 Ka09Q"
"Msjo2nVaAG AmTS2NHsqoPt94 w26fxOEr xJy83tVs4dAQM UaZK8j1QM Em6wYNfjMUvVqh
 slr f23xPqldYVAMSBOjg hDlZ0t 8GUbxDy4 0TEMxyRYgP4aW 5Qe uDAktSe SvIrj Xqj1b06f" "YpjPA3HSM
HSbR9w0T4 PJd 4RgopEIB" "xA3LRm0W nVYaiRqM5 nCKODLk2A0vBS3dQZ w94 QNubqtGo6v BSk
KZeCklnUEY NXsS5Tqxtd1l zALFoC gVuk1OJeqo TnmaHMUkSWBtDC PNlRJ0bCV9aoj
QZgEJrzhFs31xOb k5myX18G r8wzLYyKPb1 l4znoRBLqhDsAZI" "QMFm7 91EpiYCNwXG GH1idjrBSAy
6FDMrE1aUvcWzTgjs H6VB od15SAEFRBmcH8GJq G9lvRw83VpjDP4KL fcgdiLAMv PvEO2KghD
vr71Hz6 CUdIXsF2Hmlh ZCUk2P8pdru 8jgZTLI IRau aqBp8iyM9gb" "c8npDm BhZ5rIit0MeJQ EgX7H
EbjoJhLQHGXw4PT9 XrxtN uWIG5 S5nlftxXkFicr ToskhWc Ok4sTI8Sz2JBqLe6 1bThOAjEqQr0 SWTjl
sRagKSP9" "qln z203sn7yPZ6W y7a4kX dk65f34q0MImgaTQp muslx 81T046ORld3PgKrL Xs2ObcaerNt
WRD3 8vp5U6PRA1gH JdHa l3N0vFG6mAfPwyHOC snw5PS7WOJ" "QjoyRPGD3U1q2SHv PqMNQJsi0Y
Cpj1bu0MeNA Myd8D up9Bvn LgU4zA hRaGon UKj8CTY1JXelP fRdaAWyEo31TV j40RwD15egLVTKGOs
CbKSf5eHPG9D02O8a mxHgnlR4I9Gzbv6 XiCK vQjTkKONgox0P"
$> diff -U 3 user_output_test17 test17.output | cat -e

Diff OK :D
= Test 18 ==
$> ./nf119ir2pp0xaurh4u8f4z80 "OtADEK3GyrBzYp rvjEJ50PSV nDKxrCWAb pHT2PI poT9 sgeTCjyV5Nm
tkDpYVruTMfP J3Qkb6ioUNyMI4Y0 5AHSNwq cf2PyL iBQVYN q3ecg2EV7sF uJaGO
T1nWvBltFdhH6waUN MBt6Tbe3PKp4u5" "g2PJaqFZCXHdt9Qfr dUkHOKZjLF X2McslIULaCWReg5 I6k
aVYP0k D17NzwJC qXlO91j YPBa 5NAE7uL gmrRG4" "4mShNuEP NSH2 hOHB32 4QRWmX8
73TYGjWAXgv qJ6D fKE zj8TdkvacKZnD 795u bcNH0Vn59GsiqwK" "jCKtwVcY5 qsRLw6 HrdAQGy6aI
jICEU rw8cbDF bWw7IdEQYzlrZp FtdaABr IBk8rJozCXe Jm7bUWPzke1sR" "mazFt3JAw bT4Nu5SRcZ
eCf0rAy nT84 ztbcO ziw7MfTU4JtP 5rWuGNSyIjFLwCV dv0CEBiNf fmV DHPRY0T8Sy OaAmIPQvUk
HZPj" "LHA9mNZU XrhOiZqF1B QnUDN91PvcM8p vSYKh1tosUIf3wiC caKx0OUmHBFL4
wh9o6tFuTg7LMb2fA tC4oxbzhN6T I9WbuU" "yFkNM4 KV0j4k Hp3iszTeBxGg R07Sc6u krs0ABefJ9p
S3VsMjW7w XKwrO6Uy" "PlZLE3ATDROotI nkM4 gI0eEZM9H1b4 wdWLTaf6PrF ykfx Nxq mpH58Qe
w0ErBq 1KGw0Zi rBKjT1FYuD BxTbSkl5VoUy9cC yE3Vpb9SHaY"
$> diff -U 3 user_output_test18 test18.output | cat -e

Diff OK :D
= Test 19 ==
$> ./cbxk9dh4cst7mnllk4afqrgg "8bUplhB rYmKeQi6WPzNGv3bJ SKH8ZQCUs V4xkNhtYHbyRq
doyW5kmw8eVbI7DGt a3n0iJeCSrcdsxGX wyJEeUgKD vo2H 7aoh9V3AwHybe 6PRyBi57htpAsC
AU2mGziCy91pDq3X 3xj7Y1MS8VUbv E758zYskLbI srLGhf39 nwQcNBDAaoZ4x UFrpE4MPWam
oZAGRtUzv 2PR9" "FJ8Cbr1QiARHM UVe8zDIKAGO2oYC ZwT2u7hgfGbek1 Bo0Al4sPvMX WK3ifw
35Mxnr8sqXWS 7lqG GlUmkZFvyNrKO V63kA IqX6Pxyl" "Qu02D I6Ld 0ZpY8vmGSK qisNHOEAI
CkbW1fEF lQ71FMSD PDNaM uVjw1XxGy 7fVae03l F5wX7y83D9u Clmy6Rn2BT M7G4sVZf"
"GedByLDAmlih q04bRUIZ6vlPeQ 7Jo50RamKTdBD6QU ltRxOWIG1TdB8Cq jMI3E aNT5AOrWVCzUI
R8Bh7DjmYc vcGS3q8Rs5"
$> diff -U 3 user_output_test19 test19.output | cat -e

Diff OK :D
= Test 20 ==
$> ./lwdgnvcyx8q0ub1ii8zdzh6p "iG9ZMymof 4KZBTwc7Jlh g2rU8W65fOshHaAZJ GZnyfeoFiNb8MxS
k9fHayrZme7dc RGSxjn4DB k73w XLOj1mTo4 undhLkUII4DKGjW nTw2m35" "qXoFOE3V1H9
0Qmz7ZFqXu8oKesD z9kf2 HcNFlmR4pbYIU2ykG 1pG 95q QsWliTc"

```
$> diff -U 3 user_output_test20 test20.output | cat -e

Diff OK :D
Grade: 25

= ex03 ===============================================================================
$> cc -Wextra -Wall -Werror ft_sort_params.c -o user_exe

= Test 1 =======================================================
$> ./zzf15q9at5u5p6vixr801ty5
$> diff -U 3 user_output_test1 test1.output | cat -e

Diff OK :D
= Test 2 =======================================================
$> ./ep2gay46b21i6i6e5hy18k2s bUJtdjFexaghEGyA
$> diff -U 3 user_output_test2 test2.output | cat -e

Diff OK :D
= Test 3 =======================================================
$> ./3a8ww5brlof810fximf80sjj PwUEDqNAaXjk1b
$> diff -U 3 user_output_test3 test3.output | cat -e

Diff OK :D
= Test 4 =======================================================
$> ./5hyhibvi4l7w6g6sw8rfjhhw "vmDUFGcoSTYXL Yc6X7MaZtsRI2 REpUNTShZvl0dzPb 1JhGNsIjY567
v0BPZUcE kIOMdSWev9 RVTWLmaBgE9tG68XY s9Zf6JRjyTC4FngI 1yFSc PnRc4 lES1zvP3BG lrptwJeT
OUh 1j06rSsqpwcaV3DKy azHCWvkREu SPLudlFDY1em7BfHp oWTNCOY6weV"
$> diff -U 3 user_output_test4 test4.output | cat -e

Diff OK :D
= Test 5 =======================================================
$> ./uo8lazt8lpvz1au23zjo6gz1 "YXU GaW1h5QI nITv2GXl0 lfAw iQC tf3ce51gRXIA STp tSxRQn4icK igLt
bvmDIY0TwpCFKfW CZEIOXsKzRd3i qgmOGhelfpLX ayhc cZH83KWt9DRz GiA8MX9IYDHkwK
cJ4RIFAy13fEX vwhaF"
$> diff -U 3 user_output_test5 test5.output | cat -e

Diff OK :D
= Test 6 =======================================================
$> ./jjml33pmhqxsyhydgwtktnrx Q2nOBAj LfVtnEBJSmz20hO7W x83RmPQdjYyChw e3mnSFyo
goSekFzxa8CXilTd aZBed wjbNJRFA8kZLa P02HCYsgIQ PbrMlH9GgA14jmXJ PO20uN1iUC3nBKt
HDRwvfQl 54HSGxibcJVB6f xU7ATQpLCS RkcOdY3izru7MpSmg cKQ3NrCmzTIH KUovQTYZPd7
bfgEw8tHeiFTr0y6J
$> diff -U 3 user_output_test6 test6.output | cat -e

Diff OK :D
= Test 7 =======================================================
$> ./qsehn15h27ecj6lttmh0rhjv tguYEK9PG 3zKlOt2xodA AWOZUVHMp dl6jinvR4uO8Z2M0 J9TR5 jlm7TA
xVwORfNQmj0 hI4i1oH Q3jiNTcwv8p aygqoB0GjvA
$> diff -U 3 user_output_test7 test7.output | cat -e

Diff OK :D
= Test 8 =======================================================
$> ./ukqe2om5t70dnpf45rye4zan "oOwFe2mv9rSK bZNW4jmPR5vT w5ODH6G0b BGDu Ao5M fLa
NXpT0tCihjAze5k fG6ldebn t6Yv 7vmRSQFf 5DzaPcMZKjV p2ro5 tzeTO3yK zvhse0nZT uvjXaHlb ELPmO
kIj ATUlEHfwx" "EV1k7Ym438C gfuiC XCSFmAg85a9ZQiy wTl7kfoqZI VTXH52UdnP4q Pg6jKzHUY7t9B
QPYIl rVCjxqnkPAHOBU KH8hSnEvLC d1RXVaI afGQoxh2iZ3S YWDmu3Xlr7sGHN alyG H9UnX8G UJ8
LMKQq" "htSznlgc3 4J0qHZ2U kTtA3n094ElJdOmK hoy5lTv7IkN JFXD 6vmDN1Ygx9 ha1QMPgSvG7HWU
XEsy0z STXAJnx4PmQa xXVfZitcK0ejbN YVnMKgL" "7JsdxTnk5BGyvCVA z0YjdZ IOWxtnE89mPAf
alTup8 ZTCES DC1PBtVrUY087niO Yk4ICXnSxzfLt01lu n53yGL2 62Nfc" "O4ewaXZYWsNl A1Pes aYL2lF
AbVaqFLJdhc7t eUVaZN3hwT 7jerDgdyiWG3q6F 2TDk5a1tm kKftrVz42qF0Mb 5MyeI0 g3aX756J4GuSC
aTKA1bW Qklh5" "6H8vI7cFeXB5y4W TxbtKpiDEgcyAWP4 EtbKD3lpGmwFPxk7d 32EK1XiG
yiqAz5wmWHof RLqlvpUQPeO3g pZ6dluOHP vMBz2DZI4h57 HBN0gUrVhTq7Li vHh6jOzgfmV
hdDPRYJbwiGVn K5qHBO AiKab" "XI9RFy jOykrfRz Ml9vYS Zh9AkoOMyjq7nmr 6oINiXFl0KS
Sv4UZW7qsx IsESc M5iGPLYN cFyUzompRwt3Tdn SNM 5nKCsV 5LDojbR62T9 k9zbyCMv
```

YdcasVtZ wtT67SYZ0sOnMpxH zWbSvi gVZlUeAntTj7Jom" "GNDdohBTfe54g uGTAQlYI9g
gm04nfqQdioC 16f3y5mQwzYiV9K PQadJLG2Xoh LYfmhQDs9di7e4Ek j2iaK4tp Hlp rGtNDxBK6Qw
AlLpT9Dui" "jFUYqMPd1xbaNOTI RhTV BDWn5ScwXMA0Fdhr7 rCuoJIlgOvU4 dwQJtc0sV
GE740lVu2gxafoRQ EI4B gmL9uJM cnvHN08Jg h6xEA18 Z4cLXDmasq6t 0FRt 93SEcjoY54Iw0m 3akh
xPbl5aMOkj" "zXDd2vl ob0yz8nIgO p7TwsNY58DK6SPH 1SohlXWxi3gbr PFqLA2SiR
FMkdU0z8cHbjX9BJE LH6PMVv2u 7Td3Q8mRLs 7SvVMnjb vbMBtPXxwg5QNzcT ktUdCRZWJmals47K
3fugFw" "TP0ySZgRvLp4JtzE ct6nywXGe8Kpu 8Nl bp795zEwK4JA6CXNi lnEdopS GjLJDcnl
kWt0z3MAdSPnL" "eLapM6FhySvP1o YIdkatisqe 2Wkzu1G8 L8ZnTtXJ7p qSz53n rXQdqfv5yuaAP TPZx
BFq6aW3zgYRk ktqyZ3vwE5g7 ogQlikzXW5rYe0U izdj4xVF8nk aUhN" "dWYLm kn2LP
HtcjQOV6isUNoGW QqfgcWA137vmwHx8b R9OALTjwPCqc t9BkmcOE NJCS OldNMtmbVYL1I
SXxZbqROjlDTy2VWL mYxtQWGlcaHI Kzt2v0bucLg6Sqo5h jVX 9UklfO4" "0XhvH6ubs3rqZLD OHk
NTdk1gqOAJ m6xErXDb3jGz djQo0X dTn QT0rj"
$> diff -U 3 user_output_test8 test8.output | cat -e

Diff OK :D
= Test 9 ==
$> ./nfxjx6vy4ck1oml7r2i7lr00 "A2RcFkYsiO v10ZQkj6F2o7efm HTVKDor6k EmtvJu2CBWnD9 TlVh4
HXVdS0KGv2npJll ombGAylUqKPu iJM4YtB7jcyd FHAhnGOl2f BTMFRA3gDf dV29AkziJMImfsY3Z
SgbsWijJ6 cO59p" "nJkGi gKwSs KNs462COTR IjQ9emBJ 5Abh8yKCQ3 2JSqNpBcRKL1IumxT OfHE9W
N3wXWJKMV" "IGSDehY AHgnWOvXhYN 1v2Xe0qU zJw FcmeMCTnNVjQy1 B6yFLC BAuc8l
bufqQhWnPRNoC QXMnB6IS gjNyL8FQ0Udv9sJS PIKT4dsHRWcrxX BswdDa4U9MNucK3TJ" "ULqga
bM9zd FZL De7iw3AfV9sUx KGwFUks5" "i9XqE80oUhmLJI BDnbWO2FR DKe1JYaSVxTcl
MzQJuaTBHbYNlqs9 i5llJ9y2aqmT Xv78yMhD hHl8ETJOq 0Rpv 4F6zanb GEonCYc7Xq
ofWrqJXFUta2ml4 aXJ4nw5ElYivq79gO LlkNM81xJ5 2fka MiWeac PhtuV3YTHmK Rp3vSTD"
"GJpwKCU6sEt2mz PFYCAK18s nWs9J5w a2MTejXEqyUt5wH3C T50q24PUHFsnR ieaoVWgnI
5aOEubFswovtBmq bHGWLENI43erA L0iFRDUrInMXBo ljb ZCXhA9870P QaFRX9i" "Qfap6hTm0wOkbA
E0d6Buigzx5tkMqrj neGdExR k5YOWqKslQP4eHa bTQ5V1 6RBEPlUZ3KhICi7r 1BP4ELhxl
6yRxJImbqGQtVaiB nWgts6B4V5F1zxHUT 3dHCJo8R7tq wkJlixRjn79KV6FQZ tlYgLQe WOiIkqHFzMX84v
Ar3qMjh1 vakoJifdAlhT2 t1NWVCeuya0 eq
 v K6eulWJhCUz4G" "OT942MymE lB7 4WpVfxhrJ2kB RQlnxsobI WGaj CnOBGvTEzm3KVDqLx
h43XkAtagoSCMT BN6FDbk0stvS7QGe KzoZj Oy1RoPz4 tW2xcol QOWUp 6SEtwM
g4nwQc9BouXRr1hZa" "wFar 3pLO u9Qrk0 kzNQlVXx rZiukfTO3 6viJsckp 9SN3vRGsy uNvZjg
yPD0B1VGqe uGmXFfbIyo0B7nO QN7x K8tylh3es9xTC0"
$> diff -U 3 user_output_test9 test9.output | cat -e

Diff OK :D
= Test 10 ==
$> ./uli88ljbml3uuall6iaw2zlw "sEPWMRJhO6KZC Ai1mr7FTt EVTI8J07 NQpc E8q9bQ24 bykGY
APNVjqWDb7oJ1TG WK6O1dM vLMhGwf7KiYc M1R8ZqPutXKYl" "TcxSVoMZXmO Jp7Q4CliVZLG
sPMzLQ7Cv 4hi6DkOWPACos32 S9qFdzEtlaxKn0Nh sekw6" "fiCS6GkE t2y Ax1Em5sVrH7 oEp9lAF43hB
LGAo ldHa 6ZwO1Xb zGJNi 9g1 9uWHw2Vp5 751Ii" "TmEq PaGhRO0Mku1t2 8muXQAwTBGICyPENo
de2JHu3 OLS2 BmjLzU8exnl ulVQcUSXv4o7GDih rekpboz rDyXoqQli0a4bf fOYKMH3rlPEdLicRQ
pci1E5mZCvA0M VpEh 1PEy0nlaXbDfeFVO" "2kOm9dVaJN UYa0oSs uP0ljR6Xy Ja9U4ZlTq
orCZSc2TdpljvN7L kG7jFTvdLeOq6 vKUr8dD0Jjyc G8Elt9honV1 1Chtq2Q" "iRMg1LCnUA7VtdT3 scrChF
PgRJHlbiuAaSD NGMV" "voakPepLAU42IO5CX ZyYVcgLnxWkSlimjz FKJMLXeC9xE0D1ml8 TNzWh2ZO6
1YijdJfU 5AFT2XoxCagmje4 9SX0p WiNMo" "4zrXIqnAbaPoHSV 6rWjHz2ePlhI1TRK4 EsQW 0jgEq4Go
TZKvuE NtLq4R2806" "WMcn3Kwb0k mBazi ycA KzuMkOB38pN OzCq Wi4waYcIqsbP9 Gdbm3
pcE68CibuG gEtweA8ld73B orMygj Ycg pNrqIv5HDjZkhios sVpjdPbqrMTXlJ5mZ yKtuwbEQrl"
"TMbo0SECxQ5R gdj GvZzbUFo1WDkj lV2CUfL xLVan5Zl1v0d3h q8NjMEao9l0QmiP5L RBoL7FmIQ8
 i5KuwUl Z05JTpz n5dhmpCcSLyR fH3aC7NwAJol BypDztnOG6oVJ5 fTz1bncEW8NhxIH4d
rSFUbR0MqHmP9zC"
$> diff -U 3 user_output_test10 test10.output | cat -e

Diff OK :D
= Test 11 ==
$> ./48km33rkxp5yv7vsfcea3tqm "BoIadyL aeqxTgYj s8UE4yh2nuf CSgwq6VkGZ8A4W i6QpJZKA1N80P
7zp elxmqrWiZ Q7DbwtJM3UqO1y J8B2INcH3 r3eCGHpkyNi 8CB BIG eAVa0O 1qzZpFSxBwQ60jAM
9ZuR3IPodVBGQz7" "0H1dFxs v9AzYtg8MQE n2gTLWi g3DvB 7L6PiN pWcPnCMYG8kl3j ZoXnHPKYw8"
"3uArmVOC w7hXpSsHlRgC8U ZsNiP oUrvBngMIhk3wTZE kJ6MNFL0 kVi7L3hv0DueoxG zYXAaltGDw"
"cRCqhJv0lVGHueO obcrhMK6WqAjDZ wK3JgCsrVUA CEOT65R p1M8e4dCvhIy0S2 7dQ0
M1GBei2oOdsRgIcD CWD72OPgnq3leximd cd7JaDXUqVl etWgwDR459JjMYs LhKlwp XA65Lcql
2ZejGNAyuiOJt sWt4uk285feqP6 k6Xip13xll" "OFA7wtg0PloUbu1h zv2ZDI T4DHhOf FYDspu2Ng 3qen
SZxkldFC2mHD9bqM cCtNbTD5M7RhyB asv JGWNfrmHbTxZ43d7 1JTWsBMFyftbd5w zOdnhX
FIfvMpLy7Co2" "6yJckGSBWnmT 1aKzvWHsGj3eX0 iPwt5UWIlFuQ1 mKo6JNkXVdMv908 iYa3ohgb6f9sj
yhDwtaHAUogfOnQ U3Cp eyUlx9EpIRH67 iAyD6HY DSjaW OU9rX5j0nBo8i qQveu4yU m51HE0u9L

EvI1St" "YGMKiaWCcp tmAgR3T8awf je1DEcfTM pNGLohdJeiDRm1C9V ZGRt 0AJGBFI2degz9KjT"
"FvmTbrcDwsl a6gwvI1sEp PR1ZKEBWMnaTLi5 EaPFB 923mGSlA 8LJmtapCI2 E5lipMIjNgvBmDOz pCW
 1q0ZIOk4HMm YJC8l 9r1KmoMy54l0 L197EG0VTc5R3IUas CygA4YN7i cIUgpyYZrh53ex0Qq
mOGy4xUSfbMi Xw8oAFlgsDYU4h5" "JLlwSB 7hWKC2GqZ8DPYUHB EpNvWYuS5s mafAxXutn
YkQn0aNXE htNyb9dBvaz7fGIq IZxMEt1os NHWy6PnKGol CROKkD 0FEsAJ mO05y
7cvpYKSPJ3TAyZm1 3hMoVA7jiqxJfPOsz PShNLeUz" "GFoQOXJa8 sO5NoZY wBYT42apj WIF mgTB
hvQp4FmYO8GIf3MX cZCEqxWYnu 3Ygfy" "LNE7V YKMxrCu5haT vVje 3wgP1QUtublSXBRA E3VlQ8
1kZo7qO8wdhstC IGY bCd2WLKUXRoE" "ivstWy4FD jxWZqQPAiyrnG s6M PwVJGUbArQkmuO"
"VeFGkmy w6JTeaNu vyQzauNwMDsLHWK iE6Brd gHIv0U2o v4Vd23fJ8WhGjB 3Thb5CXQORMiJgK
ymtYxM BYf7ugs92eJc"
$> diff -U 3 user_output_test11 test11.output | cat -e

Diff OK :D
= Test 12 ===
$> ./gr1rakbygx69kztaedpissnw "oBKbiS85 tIYsSn nCzD9ZKa7X tdJ84AYzyr Am6HqwvNBds
iBPIFtDNh8bsx X3eUDLx1mlCr fFBT zjaLm K59S8tb urJEZONxe rDlNRbihvH 5Lyjbx6" "SB4xULGf2d YZz
IgUO8Pu u0PU bcajU68wikvIyNL4 bR2SniZHxU3zA 8xNUZJR AfVqwy4TbmX Dj8k9 ym3hO5rpPVi Txh3
uMDYK7kVacGz1wgP 5AtjFWKlk Bna1 nkHGmi6qf07" "38xXtWAap4Y g3HzM27jPCkG BIP7i0ukflwmgLz
MuH" "23FecOrLbE VXxGs 1HtPoDA OA0GtIck6PmHU 0uiwGB IQ0AJV3C BygPUNW2dAmX3 TQqE7
viSZG8fJtF7eyb0D u2WIoGbSjaDXV e52lRjAdas lX2qfJnCwz8 eQvIKEjkrDmS13AJ onG1IcSPW
67ZrJpuOll9tvqDs hMAHdTJCqD wSVgd" "fOU 4I1tM37V6J PvXJsComnL5 UOLavcwYQ
VJEyYx0wnWD9u4Bip Py9hQJjKbAHs3R VHvbrRLtp9eNo51FK FyZKbTU BkPiOc5jtL cKnBuA2
lLeJHbKpSFRn4AGBT imeDv 1ZzM pDSxydFQGn mtl8YMDorLNT9 Ixa" "7TUpD2 P5x8 3MnQDf
4UMOsXC0alR2z iTNwQvSKorlC3Z zoUPy2" "vPf0b8IXqJ mrLJKsCT37 KS30mTRdhzbMgkGOA aco5k
7znA1 975Eqf1Cb3Z pVM khBWoQ EqKQ3R 3H48hRNyDkv GClbYuN9fZA25h8" "b2W7gia8ftHDkB0C
EMl9oxzIN3PVWObKG UkFoz Q6eRC0B3zcb Qfah9mBV1WxRbKly MO94kero5yEPtRIW Tsn4jH xDPt 6Ov
rc860N
 ueA7qMF2p31 LDoVE3l86IyXWKR Z3ivayeTctrfN4 rqXih5LB3o UBo3W5yFTH LlGJQ" "ukW1TSU3
qYJwOi4p HJopT06gmr w4LMx Rurko4Wi2Nz8 vzkco4yRJEKM9uwA Kt839yAH2zFu dV1wz0MgiCTjkJ
B8dJZr4" "wRD N3ft07CGyr46b RNYrpG w8rR5NHqgv3bSO hDQZAEkd9gn 2Dy43 o067IO4FfQ l5NWSn
M1gwWQtJ JiEpsh4M JATE ZRg1P 8L7fH1W jqglL3AnoWYFTHiN 9TvXoUCw8s2Gfj 8ncHXk9ivWFD
ULQE3l lO8IF4AjudWTMwE"
$> diff -U 3 user_output_test12 test12.output | cat -e

Diff OK :D
= Test 13 ===
$> ./2yd5b7qlvocm5u1a13kvonve "wfAJFitLCGoE D0d6mq cyGDWj suCNBDjLPvafTJg09 i5Tm8oa bDi"
"9gF7mh3fEtcv5 fA45JKQl dkUeQyIXg7uo10 qPhTiY ytg N6QTu2Fr1sxAGi 5YKmFUCqQvDVcJ WsiJ
LqvMNmYZxt0l KDsngToQ17z 4rfJA5SG" "DWCeZIJqOnY XkRM5zr UsMJDWfFglZdtNa itEdBfzJYSC Xgx
jlBwb 0ORqGBhYv2MPodL8 ELFD8xH5dKOIlk 62cb43 ZdzPr5ieTmHs6Wt N7bdkCj3V04sSm h7AsgcWmH
fH4mFaVcx JNa AWiZhYXoKwluRP nPJsMGevxoRy LCz7f QtjTKZD03g" "W3RVXsHh95tliNx7F
nbr3fSMGe4VA wezfDy6pk8l DWPf7BwTL2po3dS aDzxyIrl2G5V EYz6rGCLjZTVy ulz3tMiNUTB5Se9
EBIr2CuS NUt2RhT 7GxJVWOZXlzFdMTus" "WhzEux3ya1GtM TGYEby id02eNP7kLZW
Gk7KBUImzWjJQt9yx l2GNChUm6W SfiFIdb6lz" "ExOA zfimq1oeFHd QhLyueJYt9o5 Jibjope cm9N6YJtg
9AjMBJY8 5V7OM4R6jI JOAXj otPBzrc MlSGVr2qpdU37kJCK CmZfxs lCG18AeWE" "xINs
2dgXMUqW9t8lb O6KA WPyQ1Ch2On9E 60FZhwRutpN XBmkZDvjeCg8F w786 mqvwISexo
MAHnzlU8jsed0y 01A6bnL dZ6qoBuCAm wQs CQGluZraP6bTkD kdu7" "jaWvV0T kOLvHdNX UAD9Wgla2
GpOlWeI8bAh5YNL VL2p eMruL oZ4uXM Fi9no3QV4AErhf8s iM3" "ad3nYECZ0JO nTUrbyulF2qOLC
seqD07
 2mkIXH kFfp gvxf2 wpzVMaRG" "ZD6xu tUQuN CsBtZmeyz XRnjF2DTchia0P 1Ut6FN FOXItZB1k
uZMUrm5 X3ApfWz2yir968we nXkfGJwMK Ft0zLGK3XgpC Y0FHSa2w" "dfi1 DZdkuVq eE0tfcLodA
5o3YpVL 2NykcQpx1ZB P5LimCwVYA189 1pGQmjzB6w NweB0gMI NvOghbXzy0s6L1He
SHLOgaRFEUfqTpnK9 hrV6S9DJbWcyuKA 8POVzMYrt95 kbvVjSri28mL 63b0fJzj7 vQKAGyDIg"
"UDhrHqNiWs57LdwRg QchEtVd05vWnSPIiD JUHX2WE 7gqdawExA9hSIO8P gltD ogP9U"
"S4Vk2gYiXn5Wlbw OUi2d3CjcbY WfMrFtBXd3e14 nZK1 aAU0jrXkpN" "yqS34nuteh 1D4lZyU7eS
FoCuqPLjmy uBeTCAJQMjpcz Um6u lKgMGZJ5 Icy3terLunvJ dpWF IZHpnf9lTrv27d5sQ 8Je4ywaj udVk
V95g8t7p3evDIkMfA" "UKLPTI89usqx sAKgT014QkNS UJFsjlyC0n7oNQ GModvHjtPkI aQu62T9P
Y6GIMiUuD5q9Ajy UuL0q5OdZpVK8v4zx npxVGEYo2i oLn"
$> diff -U 3 user_output_test13 test13.output | cat -e

Diff OK :D
= Test 14 ===
$> ./ezsvcsgrgl0aes7zqq9w7dik BabA AabB AaBb BbAa bABa abAB bAaB BbAa bBaA AbaB bABa
$> diff -U 3 user_output_test14 test14.output | cat -e

Diff OK :D
= Test 15 ==
$> ./cfb4v29ab16afwrzd8j8t10h aBAb aBAb BAab abBA AbaB bBaA
$> diff -U 3 user_output_test15 test15.output | cat -e

Diff OK :D
= Test 16 ==
$> ./6vocb6edy4ofn7ole166sdms BAba ABba BabA BAba abBA ABab AbBa BAba baBA BabA AaBb BbaA aABb
$> diff -U 3 user_output_test16 test16.output | cat -e

Diff OK :D
= Test 17 ==
$> ./6pytdm4fxn02kvvnypv9kirk bAaB baAB BbAa AbaB abAB aAbB AabB bAaB ABab abBA bAaB bBAa BAab
$> diff -U 3 user_output_test17 test17.output | cat -e

Diff OK :D
= Test 18 ==
$> ./ycjaotdp6h0s9l39llwjlnen AaBb aAbB BaAb AbaB BaAb bBAa aBbA bAaB BabA aAbB BbaA aBAb AaBb AbBa AabB bAaB
$> diff -U 3 user_output_test18 test18.output | cat -e

Diff OK :D
= Test 19 ==
$> ./pkn1l5vhpura0c5u26aakarf ABab bABa abAB AbaB baBA ABab abBA baBA
$> diff -U 3 user_output_test19 test19.output | cat -e

Diff OK :D
= Test 20 ==
$> ./39kl4mykitsm750pqy2wtsvl abAB bBAa AabB AbBa abAB AbBa AaBb bBaA aABb BabA bBaA
$> diff -U 3 user_output_test20 test20.output | cat -e

Diff OK :D
Grade: 30

= Final grade: 100 ==