

MINISHELL

ATTENTION

Les comportements presents dans cet Excel ne sont pas tous a gerer dans la Mandatory du projet Minishell !
Ne vous mettez pas la pression pour essayer de tous les gerer !
Verifiez juste pour ces cas non gerables s'ils ne Segfault pas, ou n'effectuent pas un comportement suspect !
Utilisez votre bon sens pour exploiter au mieux ce document et faire un Minishell pas trop ambitieux, selon votre situation du projet.
(Par contre, si vous etes chauds pour tout gerer, GG a vous !)

Bon courage et n'hesitez pas a m'envoyer un MP si besoin !

(GitHub : vietdu91 / Discord : vietdu91#6048 / Intra : emtran)

	Gestion des comportements	
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[illegible]

\$> ..	NON GERE			OK	OK	bash: ...: command not found \$>	127		
\$> ~	NON GERE			OK	OK	bash: /home/vietdu91: Is a directory \$>	126		
\$> ABC=hola	NON GERE			OK	OK	\$>	0	/!\ A gerer comme une erreur	
\$> 4ABC=hola	NON GERE			OK	OK	bash: 4ABC=hola: command not found \$>	127		
hola				OK	OK	bash: hola: command not found \$>	127		
\$> hola que tal				OK	OK	bash: hola: command not found \$>	127		
\$> Makefile				OK	OK	bash: Makefile: command not found \$>	127		
\$> echo				OK	OK	\$>	0		
\$> echo -n				OK	OK	\$>	0		
\$> echo Hola				OK	OK	Hola \$>	0		
\$> echoHola				OK	OK	bash: echoHola: command not found \$>	127		
\$> echo-nHola				OK	OK	bash: echo-nHola: command not found \$>	127		
\$> echo -n Hola				OK	OK	Hola\$>	0		
\$> echo "-n" Hola				OK	OK	Hola\$>	0		
\$> echo -nHola				OK	OK	-nHola \$>	0		
\$> echo Hola -n				OK	OK	Hola -n \$>	0		
\$> echo Hola Que Tal				OK	OK	Hola Que Tal \$>	0		
\$> echo Hola				OK	OK	Hola \$>	0		
\$> echo Hola Que Tal				OK	OK	Hola Que Tal \$>	0		
\$> echo \n hola				OK	OK	n hola \$>	0	A gerer ?	
\$> echo " " cat -e				OK	OK	\$ \$>	0		
\$> echo cat -e				OK	OK	\$ \$>	0		
\$> ""'echo hola""'""' que""'""' tal""'""'				OK	OK	hola que tal \$>	0		
\$> echo -n -n				OK	OK	\$>	0		
\$> echo -n -n Hola Que				OK	OK	Hola Que\$>	0		
\$> echo -p				OK	OK	-p \$>	0		
\$> echo -nnnnn				OK	OK	\$>	0		
\$> echo -n -nnn -nnnn				OK	OK	\$>	0		
\$> echo -n-nnn -nnnn				OK	OK	-n-nnn -nnnn \$>	0		
\$> echo -n -nnn hola -nnnn				OK	OK	hola -nnnn\$>	0		
\$> echo -n -nnn-nnnn				OK	OK	-nnn-nnnn\$>	0		
\$> echo -----n				OK	OK	-----n \$>	0		
\$> echo -nnn -----n				OK	OK	-----n\$>	0		
\$> echo -nnn ----nn---nnnn				OK	OK	----nn---nnnn\$>	0		
\$> echo -nnn -----nnnn				OK	OK	-----nnnn\$>	0		
\$> echo \$				OK	OK	\$ \$>	0		
\$> echo \$?				OK	OK	? \$>	0	Renvoie le code de retour du dernier pipeline exécuté à l'avant-plan	
\$> echo \$? \$				OK	OK	? \$ \$>	0		
\$> echo \$? echo \$? echo \$?				OK	OK	? \$>	0		
\$> echo \$: \$= cat -e				OK	OK	\$: \$= \$>	0		

ECHO	\$> echo " \$ " cat -e			OK	OK	\$ \$ \$>	0		
	\$> echo ' \$ ' cat -e			OK	OK	\$ \$ \$>	0		
	\$> echo \$HOME			OK	OK	/home/vietdu91 \$>	0		
	\$> echo \ \$HOME			OK	OK	\$HOME \$>	0		
	\$> echo my shit terminal is [\$TERM]			OK	OK	my shit terminal is [xterm-256color] \$>	0		
	\$> echo my shit terminal is [\$TERM4			OK	OK	my shit terminal is [\$>	0		
	\$> echo my shit terminal is [\$TERM4]			OK	OK	my shit terminal is [] \$>	0		
	\$> echo \$UID			OK	OK	1000 \$>	0		
	\$> echo \$HOME9			OK	OK	\$>	0		Marche pour tous les caractères alphanumériques de l'ASCII
	\$> echo \$9HOME			OK	OK	HOME \$>	0		
	\$> echo \$HOME%			OK	OK	/home/vietdu91% \$>	0		Marche pour les autres caractères (ponctuation, caractères non-ASCII, etc.)
	\$> echo \$UID\$HOME			OK	OK	1000/home/vietdu91% \$>	0		
	\$> echo Le path de mon HOME est \$HOME			OK	OK	Le path de mon HOME est /home/vietdu91 \$>	0		
	\$> echo \$USER\$var\ \$USER\$USER\ \$USERtest \$USER			OK	OK	vietdu91 \$USERvietdu91 \$USERtestvietdu91 \$>	0		A ne pas gerer si '\\' non gere : Doit sortir : vietdu91vietdu91vietdu91vietdu91
	\$> echo \$hola*			OK	OK	\$>	0		Cas d'un variable inexistant
	\$> echo -nnnn \$hola			OK	OK	\$>	0		
	\$> echo > <			OK	OK	bash: syntax error near unexpected token '<' \$>	2		
	\$> echo			OK	OK	bash: syntax error near unexpected token ` ' \$>	2		
	\$> EechoE			OK	OK	bash: EechoE: command not found \$>	127		
	\$> .echo.			OK	OK	bash: .echo.: command not found \$>	127		
	\$> >echo>			OK	OK	bash: syntax error near unexpected token `newline' \$>	2		
	\$> <echo<			OK	OK	bash: syntax error near unexpected token `newline' \$>	2		
	\$> >>echo>>			OK	OK	bash: syntax error near unexpected token `newline' \$>	2		
	\$> echo			OK	OK	bash: syntax error near unexpected token ` ' \$>	2		
	\$> echo -n hola			OK	OK	bash: syntax error near unexpected token ` ' \$>	2		
	\$> echo *	NON GERE		OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c \$>	0		[BONUS]
	\$> echo '*'	NON GERE		OK	OK	* \$>	0		Marche aussi pour les double quotes
	\$> echo D*	NON GERE		OK	OK	Docs Dockers Drawings \$>	0		[BONUS]
	\$> echo *Z	NON GERE		OK	OK	*Z \$>	0		[BONUS]
	\$> echo *t hola	NON GERE		OK	OK	crashtest.c test.c hola \$>	0		[BONUS]
	\$> echo *t	NON GERE		OK	OK	crashtest.c test.c \$>	0		[BONUS]
	\$> echo \$*	NON GERE		OK	OK	\$>	0		[BONUS]
	\$> echo hola*hola *	NON GERE		OK	OK	hola*hola crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c \$>	0		[BONUS]
	\$> echo \$hola*	NON GERE		OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c \$>	0		[BONUS]
	\$> echo \$HOME*	NON GERE		OK	OK	/home/vietdu91 \$>	0		[BONUS]
	\$> echo \$""			OK	OK	\$>	0		

\$> echo "\$"			OK	OK	\$	0		
\$> echo '\$'			OK	OK	\$>	0		
\$> echo "\$HOME"			OK	OK	HOME	0		
\$> echo '\$'HOME			OK	OK	HOME	0		
\$> echo "\$"HOME			OK	OK	HOME	0		
\$> echo "\$HO"ME			OK	OK	ME	0		
\$> echo '\$HO'ME			OK	OK	\$HOME	0		
\$> echo "\$HO"ME"			OK	OK	ME	0		
\$> echo '\$HO' 'ME'			OK	OK	\$HOME	0		
\$> echo "'\$HO' 'ME' "			OK	OK	'ME'	0		Il y a bien 3 singles quotes avant le ME. Je ne sais pas pourquoi Excel tronque à l'affichage le 3e quote
\$> echo ""\$HOME			OK	OK	/home/vietdu91	0		
\$> echo "" \$HOME			OK	OK	/home/vietdu91	0		
\$> echo ''\$HOME			OK	OK	/home/vietdu91	0		
\$> echo '' \$HOME			OK	OK	/home/vietdu91	0		
\$> echo "\$HO""ME"			OK	OK	HOME	0		
\$> echo '\$'HO' 'ME'			OK	OK	HOME	0		
\$> echo '\$'HOME'			OK	OK	HOME	0		
\$> echo "\$"\$HOME			OK	OK	\$HOME	0		
\$> echo \$=HOME			OK	OK	\$=HOME	0		
\$> echo "\$HOLA"			OK	OK	HOLA	0		
\$> echo '\$'HOLA'			OK	OK	HOLA	0		
\$> echo \$DONTEXIST Hola			OK	OK	Hola	0		Le cas ou la variable n'existe pas et n'est pas importee
\$> echo "hola"			OK	OK	hola	0		
\$> echo 'hola'			OK	OK	hola	0		
\$> echo ''hola''			OK	OK	hola	0		
\$> echo ''h'o'la''			OK	OK	hola	0		
\$> echo ""'h'o'la'""			OK	OK	'h'o'la''	0		
\$> echo ""'h'o'la'""			OK	OK	hola'	0		
\$> echo ''hola''			OK	OK	bash: echo'hola': command not found	0		
\$> echo ""hola""			OK	OK	'hola'	0		
\$> echo "'hola'"			OK	OK	"hola"	0		
\$> echo ''ho""l'a''			OK	OK	ho'l'a	0		
\$> echo hola*****			OK	OK	hola	0		
\$> echo hola*****			OK	OK	hola*****	0		
\$> echo hola*****			OK	OK	hola	0		
\$> echo hola*****			OK	OK	hola*****	0		

SIGNAUX	\$> e"cho hola"			OK	OK	bash: echo hola: command not found \$>	127		
	\$> e'cho hola'			OK	OK	bash: echo hola: command not found \$>	127		
	\$> echo "hola" cat -e			OK	OK	hola \$ \$>	0		
	\$> echo ""hola			OK	OK	hola \$>	0		
	\$> echo "" hola			OK	OK	hola \$>	0		
	\$> echo "" hola			OK	OK	hola \$>	0		
	\$> echo "" hola			OK	OK	hola \$>	0		
	\$> echo "" hola			OK	OK	hola \$>	0		
	\$> echo hola""bonjour			OK	OK	holabonjour \$>	0		
	\$> "e"'c'ho 'b'"o"nj"o"'u'r			OK	OK	bonjour \$>	0		
	\$> ""e"'c'ho 'b'"o"nj"o"'u'r"			OK	OK	bash: e'c'ho 'b'onjo'u'r: command not found \$>	127		
	\$> echo "\$DONTEXIST"Makefile			OK	OK	Makefile \$>	0		
	\$> echo "\$DONTEXIST""Makefile"			OK	OK	Makefile \$>	0		
	\$> echo "\$DONTEXIST" "Makefile"			OK	OK	Makefile \$>	0	Attention a l'espace avant	
	\$> \$?			OK	OK	bash: 0: command not found \$>	127	Renvoie le code de retour du dernier pipeline exécuté à l'avant-plan	
	\$> \$? \$?			OK	OK	bash: 00: command not found \$>	127		
	\$> ?\$HOME			OK	OK	bash: ?/home/vietdu91: command not found \$>	127		
	\$> \$			OK	OK	bash: \$: command not found \$>	127		
	\$> \$HOME			OK	OK	bash: /home/vietdu91: Is a directory \$>	126		
	\$> \$HOME\$skjhfkdsf\$			OK	OK	\$>	0		
	\$> "\$HOME\$skjhfkdsf\$"			OK	OK	bash: : command not found \$>	127		
	\$> '\$HOME\$skjhfkdsf\$'			OK	OK	bash: \$HOME\$ddfdffssfdfs: command not found \$>	127		
	\$> \$DONTEXIST			OK	OK	\$>	0	Cas d'un variable inexistant	
	\$> \$LESS\$VAR			OK	OK	bash: -R: command not found \$>	127		
	\$> Ctlr-C			OK	OK	\$> ^C \$>	130		
	\$> holaCtlr-C			OK	OK	\$> hola^C \$>	130		
	\$> cat (faire Ctlr-C apres avoir fait plusieurs fois [ENTREE])			OK	OK	^C \$>	130		
	\$> cat rev(faire Ctlr-C apres avoir fait plusieurs fois [ENTREE])			OK	OK	^C \$>	0		
	\$> Ctlr-D			OK	OK	\$> exit ~/minishell \$>	0	Sort du programme	
	\$> hola Ctlr-D			OK	OK	\$> hola	/	Ne fait rien	
	\$> Ctlr-\			OK	OK	\$>	/	Ne fait rien	
	\$> hola Ctlr-\			OK	OK	\$> hola	/		
	\$> cat (faire Ctlr-\ apres avoir fait plusieurs fois [ENTREE])			OK	OK	^\\Quit (core dumped) \$>	131		
	\$> Ctlr-Z			OK	OK	\$>	/	Ne fait rien	
	\$> sleep 3 sleep 3 sleep 3 (faire Ctlr-C une seconde apres)			OK	OK	^C \$>	130		

\$> sleep 3 sleep 3 sleep 3 (faire Ctrl-D une seconde apres)			OK	OK	\$>	0	Ne fait rien	
\$> sleep 3 sleep 3 sleep 3 (faire Ctrl-\ une seconde apres)			OK	OK	^Quit (core dumped) \$>	131		
\$> env			OK	OK	... PATH=... \$>	0		
\$> env hola	NON GERE		OK	OK	env: 'hola': No such file or directory \$>	127		
\$> env hola que tal	NON GERE		OK	OK	env: 'hola': No such file or directory \$>	127		
\$> env env	NON GERE		OK	OK	... PATH=... \$>	0	Affiche une seule fois env	
\$> env env env env env	NON GERE		OK	OK	... PATH=... \$>	0	Affiche une seule fois env	
\$> env ls	NON GERE		OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c \$>	0		
\$> env ./Makefile	NON GERE		OK	OK	env: './Makefile': Permission denied \$>	126		
\$> export HOLA=bonjour \$> env			OK	OK	... HOLA=bonjour \$>	0 0		
\$> export HOLA=bonjour \$> env			OK	OK	... HOLA=bonjour \$>	0 0		
\$> export			OK	OK	... export PATH="..." \$>	0	Les variables sont trieés par ordre alphabetique On n'oublie pas les doubles quotes qui designent les strings attribues a chaque variable	
\$> export Hola \$> export			OK	OK	... export HOME="/home/vietdu91" export Hola export PATH="..." \$>	0 0	Hola n'existe pas dans env mais il existe dans export	
\$> export Hola9hey \$> export			OK	OK	... export HOME="/home/vietdu91" export Hola9hey export PATH="..." \$>	0 0		
\$> export \$DONTEXIST			OK	OK	... export HOME="/home/vietdu91" export PATH="..." \$>	0	Le cas ou la variable n'existe pas et n'est pas importee	
\$> export grep "HOME"			OK	OK	export HOME="/home/vietdu91" \$>	0		
\$> export ""			OK	OK	bash: export: '': not a valid identifier \$>	1		
\$> export =			OK	OK	bash: export: '=': not a valid identifier \$>	1		
\$> export %			OK	OK	bash: export: '%': not a valid identifier \$>	1		
\$> export \$?			OK	OK	bash: export: `0': not a valid identifier \$>	1		
\$> export ?=2			OK	OK	bash: export: '?=2': not a valid identifier \$>	1		
\$> export 9HOLA=			OK	OK	bash: export: '9HOLA=': not a valid identifier \$>	1		
\$> export HOLA9=bonjour \$> env			OK	OK	... HOLA9=bonjour \$>	0 0		
\$> export _HOLA=bonjour \$> env			OK	OK	... _HOLA=bonjour \$>	0 0		
\$> export __HOLA=bonjour \$> env			OK	OK	... __HOLA=bonjour \$>	0 0		
\$> export _HO_LA=bonjour \$> env			OK	OK	... _HO_LA=bonjour \$>	0 0		
\$> export HOL@=bonjour			OK	OK	bash: export: 'HOL@=bonjour': not a valid identifier \$>	1	Cas où le nom de variable ne contient pas de lettres, ni de chiffres, ni d'underscores	
\$> export HOL\~A=bonjour	NON GERE		OK	OK	bash: export: `HOL-A=bonjour': not a valid identifier \$>	1		

PORT & UNSET	\$> export -HOLA=bonjour			OK	OK	bash: export: -H: invalid option	2		
	\$> export --HOLA=bonjour			OK	OK	bash: export: --: invalid option	2		
	\$> export HOLA-=bonjour			OK	OK	bash: export: 'HOLA-=bonjour': not a valid identifier	1		
	\$> export HO-LA=bonjour			OK	OK	bash: export: 'HO-LA=bonjour': not a valid identifier	1		
	\$> export HOL.A=bonjour			OK	OK	bash: export: 'HOL.A=bonjour': not a valid identifier	1		
	\$> export HOL\\\$A=bonjour	NON GERE		OK	OK	bash: export: 'HOL\\\$A=bonjour': not a valid identifier	1		
	\$> export HO\\\$LA=bonjour	NON GERE		OK	OK	bash: export: 'HO\\\$LA=bonjour': not a valid identifier	1		
	\$> export HOL}A=bonjour			OK	OK	bash: export: 'HOL}A=bonjour': not a valid identifier	1		
	\$> export HOL{A=bonjour			OK	OK	bash: export: 'HOL{A=bonjour': not a valid identifier	1		
	\$> export HO*LA=bonjour			OK	OK	bash: export: 'HO*LA=bonjour': not a valid identifier	1		
	\$> export HO#LA=bonjour			OK	OK	bash: export: 'HO#LA=bonjour': not a valid identifier	1		
	\$> export HO@LA=bonjour			OK	OK	bash: export: 'HO@LA=bonjour': not a valid identifier	1		
	\$> export HO!LA=bonjour			OK	OK	bash: !LA=bonjour: event not found	0		
	\$> export HO\$?LA=bonjour			OK	OK	...	0		
	\$> export HO\$LA=bonjour			OK	OK	HO\$LA=bonjour	0		
	\$> export +HOLA=bonjour			OK	OK	bash: export: '+HOLA=bonjour': not a valid identifier	1		
	\$> export HOLA+A=bonjour			OK	OK	bash: export: 'HOLA+A=bonjour': not a valid identifier	1		
	\$> export HOLA+=bonjour	NON GERE		OK	OK	...	0		
	\$> export HOLA+=bonjour	NON GERE		OK	OK	HOLA=bonjour	0		
	\$> export HOLA+=bonjour	NON GERE		OK	OK	...	0		"+=" s'ajoute au contenu de la variable
	\$> export HOLA+=bonjour	NON GERE		OK	OK	HOLA=bonjourbonjour	0		
	\$> export HOLA+=bonjour	NON GERE		OK	OK	...	0		
	\$> export HOLA+=bonjour	NON GERE		OK	OK	PATH=...	0		
	\$> export HOLA =bonjour			OK	OK	bash: export: '=bonjour': not a valid identifier	1		
	\$> export HOLA = bonjour			OK	OK	bash: export: '=': not a valid identifier	1		
	\$> export HOLA=bon jour			OK	OK	...	0		
	\$> export HOLA=bon jour			OK	OK	HOLA=bon	0		
	\$> export HOLA= bonjour			OK	OK	...	0		
	\$> export HOLA= bonjour			OK	OK	HOLA=	0		
	\$> export HOLA=bonsoir			OK	OK	...	0		
	\$> export HOLA=bonretour			OK	OK	HOLA=bonjour	0		
	\$> export HOLA=bonjour			OK	OK	...	0		
	\$> export HOLA=\$HOME			OK	OK	...	0		
	\$> export HOLA=bonjour\$HOME			OK	OK	HOLA=/home/vietdu91	0		
	\$> export HOLA=bonjour\$HOME			OK	OK	...	0		
	\$> export HOLA=bonjour\$HOME			OK	OK	HOLA=bonjour/home/vietdu91	0		
	\$> export HOLA=\$HOMEbonjour			OK	OK	...	0		
	\$> export HOLA=bon\$jour			OK	OK	HOLA=	0		
	\$> export HOLA=bon\$jour			OK	OK	...	0		Le cas où la variable "\$jour" n'existe pas
	\$> export HOLA=bon\jour	NON GERE		OK	OK	HOLA=bon	0		
	\$> export HOLA=bon\\jour	NON GERE		OK	OK	...	0		
	\$> export HOLA=bon\\jour	NON GERE		OK	OK	HOLA=bonjour	0		
	\$> export HOLA=bon()jour	NON GERE		OK	OK	...	2		Marche pour les caractères : ()
	\$> export HOLA=bon()jour	NON GERE		OK	OK	bash: syntax error near unexpected token `('	2		

ENV & EXP	\$> export HOLA=bon()jour	NON GERE		OK	OK	bash: syntax error near unexpected token '(' \$>	2		
	\$> export HOLA=bon&jour	NON GERE		OK	OK	bash: jour: command not found \$>	127	Marche pour les caractères : &	
	\$> export HOLA=bon@jour \$> env			OK	OK	\$> env ... HOLA=bon@jour \$>	0		
	\$> export HOLA=bon;jour \$> env			OK	OK	bash: jour: command not found \$> env ... HOLA=bon \$>	127 0		
	\$> export HOLA=bon!jour			OK	OK	bash: !jour: event not found \$>	1		
	\$> export HOLA=bon"jour" \$> env			OK	OK	... HOLA=bonjour PATH=... \$>	0 0		
	\$> export HOLA\$USER=bonjour \$> env			OK	OK	... HOLAvietdu91=bonjour PATH=... \$>	0 0		
	\$> export HOLA=bonjour=casse-toi \$> echo \$HOLA			OK	OK	HOLA=bonjour=casse-toi \$>	0 0		
	\$> export "HOLA=bonjour"=casse-toi \$> echo \$HOLA			OK	OK	HOLA=bonjour=casse-toi \$>	0 0		
	\$> export HOLA=bonjour \$> export BYE=casse-toi \$> echo \$HOLA et \$BYE			OK	OK	bonjour et casse-toi \$>	0 0 0		
	\$> export HOLA=bonjour BYE=casse-toi \$> echo \$HOLA et \$BYE			OK	OK	bonjour et casse-toi \$>	0 0		
	\$> export \$HOLA=bonjour \$> env			OK	OK	... bonjour=bonjour PATH=... \$>	0		
	\$> export HOLA="bonjour " \$> echo \$HOLA cat -e			OK	OK	bonjour\$ \$>	0		
	\$> export HOLA=" -n bonjour " \$> echo \$HOLA			OK	OK	bonjour\$>	0		
	\$> export HOLA="bonjour " / \$> echo \$HOLA			OK	OK	bonjour / \$>	0		
	\$> export HOLA="'" \$> echo " \$HOLA " cat -e			OK	OK	" \$ \$>	0		
	\$> export HOLA=at \$> c\$HOLA Makefile			OK	OK	[cela affiche le Makefile] \$>	0		
	\$> export "" HOLA=bonjour \$> env			OK	OK	bash: export: "": not a valid identifier \$> env ... HOLA=bonjour \$>	1		
	\$> export HOLA="cat Makefile grep NAME" \$> echo \$HOLA			OK	OK	cat Makefile grep NAME \$>	0		
	\$> export HOLA=hey \$> echo \$HOLA\$HOLA\$HOLA=hey\$HOLA			OK	OK	heyheyhey=heyhey \$>	0		
	\$> export HOLA=" bonjour hey " \$> echo \$HOLA cat -e			OK	OK	bonjour hey\$ \$>	0 0		
	\$> export HOLA=" bonjour hey " \$> echo ""\$HOLA"" cat -e			OK	OK	\$> bonjour hey \$ \$>	0 0		
	\$> export HOLA=" bonjour hey " \$> echo wesh"\$HOLA" cat -e			OK	OK	wesh bonjour hey \$ \$>	0 0		
	\$> export HOLA=" bonjour hey " \$> echo wesh""\$HOLA.			OK	OK	wesh bonjour hey . \$>	0 0	#!/ Bien supprimer les espaces en trop au debut et a la fin du string d'export	
	\$> export HOLA=" bonjour hey " \$> echo wesh"\$HOLA.			OK	OK	weshHOLA. \$>	0 0		
	\$> export HOLA=" bonjour hey " \$> echo wesh"\$HOLA HOLA".			OK	OK	weshHOLA HOLA. \$>	0 0		
	\$> export HOLA=bonjour \$> export HOLA=" hola et \$HOLA" \$> echo \$HOLA			OK	OK	hola et bonjour \$>	0 0 0		
	\$> export HOLA=bonjour \$> export HOLA=' hola et \$HOLA' \$> echo \$HOLA			OK	OK	hola et \$HOLA \$>	0 0 0		
	\$> export HOLA=bonjour \$> export HOLA=" hola et \$HOLA"\$HOLA \$> echo \$HOLA			OK	OK	hola et bonjourbonjour \$>	0 0 0		

\$> export HOLA="ls -l - a"				OK	OK	ls -l - a	0		
\$> echo \$HOLA						\$>	0		
\$> export HOLA="s -la"				OK	OK	total 16	0		
\$> l\$HOLA						drwx----- 2 vietdu91 [...] .	0		
						drwxrwxwxt 51 root [...] ..			
						-rwxr-xr-x 8 vietdu91 [...] crashtest.c			
						[...]			
						\$>			
\$> export HOLA="s -la"				OK	OK	bash: ls -la: command not found	127		
\$> l"\$HOLA"						\$>			
\$> export HOLA="s -la"				OK	OK	bash: l\$HOLA: command not found	127		
\$> l'\$HOLA'						\$>			
\$> export HOLA="l"				OK	OK	\$>	0		
\$> \$HOLAs									
\$> export HOLA="l"				OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell	0		
\$> "\$HOLA"s						philosophers srcs test.c			
						\$>			
\$> export HOL=A=bonjour				OK	OK	...	0		
\$> env						HOL=A=bonjour			
						\$>			
\$> export HOLA="l"				OK	OK	bash: \$HOLAs: command not found	127		
\$> '\$HOLA's						\$>			
\$> export HOL=A=""				OK	OK	...	0		
\$> env						HOL=A=	0		
						\$>			
\$> export TE+S=T				OK	OK	bash: export: `TE+S=T`: not a valid identifier	1		
\$> env						\$>			
\$> export "=="				OK	OK	bash: export: `=`: not a valid identifier	1		
						\$>			
\$> export "'=''				OK	OK	bash: export: `=': not a valid identifier	1		
						\$>			
\$> export "=="				OK	OK	bash: export: `===`: not a valid identifier	1		
						\$>			
\$> export '='=''				OK	OK	bash: export: `===`: not a valid identifier	1		
						\$>			
\$> export HOLA=p				OK	OK	bash: pBYEd: command not found	127		
\$> export BYE=w						\$>			
\$> \$HOLA"BYE"d									
\$> export HOLA=p				OK	OK	bash: p\$BYEd: command not found	127		
\$> export BYE=w						\$>			
\$> "\$HOLA"\$BYE'd									
\$> export HOLA=p				OK	OK	/home/vietdu91/42_works/minishell	0		
\$> export BYE=w									
\$> "\$HOLA"\$BYE'd									
\$> export HOLA=p				OK	OK	bash: HOLABYEd: command not found	127		
\$> export BYE=w						\$>			
\$> "\$HOLA"\$BYE'd									
\$> export HOLA=p				OK	OK	bash: HOLABYEd: command not found	127		
\$> export BYE=w						\$>			
\$> '\$HOLA'\$BYE'd									
\$> export HOLA=-n				OK	OK	bash: echo -n: command not found	127		
\$> "echo \$HOLA" hey						\$>			
\$> export A=1 B=2 C=3 D=4 E=5 F=6 G=7 H=8				OK	OK	1'2\$C"\$D\$F'7'8	0		
\$> echo "SA'SB"\$C'D'E"\$F'"\$G'SH"						\$>	0		
\$> export HOLA=bonjour				OK	OK	...	0		
\$> env						PATH=...	0		
\$> unset HOLA						\$>	0		
\$> env							0		
\$> export HOLA=bonjour				OK	OK	...	0		
\$> env						PATH=...	0		
\$> unset HOLA						\$>	0		
\$> unset HOLA							0		
\$> env							0		
\$> unset PATH				OK	OK	\$>	0		
\$> echo \$PATH							0		
\$> unset PATH				OK	OK	bash: ls: No such file or directory	127		
\$> ls						\$>			
\$> unset ""				OK	OK	bash: unset: ``: not a valid identifier	1		
						\$>	0		
\$> unset INEXISTANT				OK	OK	\$>	0	Cas où la variable n'existe pas	
\$> unset PWD						\$>	0		
\$> env grep PWD				OK	OK	\$>	0		
\$> pwd						/home/vietdu91/42_works/minishell	0		
						\$>			

\$> pwd						/home/vietdu91/42_works/minishell	0		
\$> unset PWD				OK	OK	\$>	0		
\$> env grep PWD						\$>	0		
\$> cd \$PWD						\$>	0		
\$> pwd						/home/vietdu91	0		
\$> unset OLDPWD				OK	OK	\$>	0		
\$> env grep OLDPWD						\$>	0		
\$> unset 9HOLA				OK	OK	bash: unset: '9HOLA': not a valid identifier	1		
\$>						\$>	0		
\$> unset HOLA9				OK	OK	\$>	0		
\$> unset HOL?A				OK	OK	bash: unset: 'HOL?A': not a valid identifier	1		
\$>						\$>	1		Il unset bien HOLA
\$> unset HOLA HOL?A				OK	OK	bash: unset: 'HOL?A': not a valid identifier	1		
\$>						\$>	1		Il unset bien HOLA
\$> unset HOL?A HOLA				OK	OK	bash: unset: 'HOL?A': not a valid identifier	1		
\$>						\$>	1		
\$> unset HOL?A HOL.A				OK	OK	bash: unset: 'HOL?A': not a valid identifier	1		
\$>						bash: unset: 'HOL.A': not a valid identifier	1		
\$>						\$>	1		
\$> unset HOLA=				OK	OK	bash: unset: 'HOLA=': not a valid identifier	1		
\$>						\$>	1		
\$> unset HOL\\\\A	NON GERE			OK	OK	bash: unset: 'HOL\\A': not a valid identifier	1		
\$> unset HOL;A	NON GERE			OK	OK	bash: A: command not found	127		
\$>						\$>	1		
\$> unset HOL.A				OK	OK	bash: unset: 'HOL.A': not a valid identifier	1		
\$> unset HOL+A				OK	OK	bash: unset: 'HOL+A': not a valid identifier	1		
\$> unset HOL=A				OK	OK	bash: unset: 'HOL=A': not a valid identifier	1		
\$> unset HOL{A				OK	OK	bash: unset: 'HOL{A': not a valid identifier	1		
\$> unset HOL}A				OK	OK	bash: unset: 'HOL}A': not a valid identifier	1		
\$> unset HOL-A				OK	OK	bash: unset: 'HOL-A': not a valid identifier	1		
\$> unset -HOLA				OK	OK	bash: unset: -H: invalid option	2		
\$> unset _HOLA				OK	OK	\$>	0		
\$>						\$>	0		
\$> unset HOL_A				OK	OK	\$>	0		
\$>						\$>	0		
\$> unset HOLA_				OK	OK	\$>	0		
\$>						\$>	0		
\$> unset HOL*A				OK	OK	bash: unset: 'HOL*A': not a valid identifier	1		
\$> unset HOL#A				OK	OK	bash: unset: 'HOL#A': not a valid identifier	1		
\$> unset \$HOLA				OK	OK	\$>	0		Il va unset le contenu de \$HOLA, c'est-a-dire la variable bonjour
\$> unset \$PWD				OK	OK	bash: unset: '/home/vietdu91/42_works/minishell': not a valid identifier	1		
\$> unset HOL@				OK	OK	bash: unset: 'HOL@': not a valid identifier	1		
\$> unset HOL!A				OK	OK	bash: !A: event not found	1		
\$> unset HOL^A				OK	OK	bash: unset: 'HOL^A': not a valid identifier	1		
\$> unset HOL\$?A				OK	OK	\$>	0		Unset prend en compte le contenu de \$?, c'est-a-dire qu'il lit HOL0A ou HOL127A
\$> unset HOL~A				OK	OK	bash: unset: 'HOL~': not a valid identifier	1		
\$> unset "" HOLA						bash: unset: '': not a valid identifier	1		HOLA sera quand meme unset !!
\$> env grep HOLA				OK	OK	\$>	0		
\$>						\$>	0		
\$> unset PATH				OK	OK	\$>	0		
\$> echo \$PATH						\$>	0		
\$> unset PATH				OK	OK	bash: cat: No such file or directory	0		
\$> cat Makefile						\$>	1		
\$> unset =				OK	OK	bash: unset: '=': not a valid identifier	0		
\$> unset =====				OK	OK	bash: unset: '=====': not a valid identifier	0		
\$> unset ++++++				OK	OK	bash: unset: '++++++': not a valid identifier	0		
\$> unset _____				OK	OK	\$>	0		
\$> unset export				OK	OK	\$>	0		
\$> unset echo				OK	OK	\$>	0		
\$> unset pwd				OK	OK	\$>	0		
\$> unset cd				OK	OK	\$>	0		
\$> unset unset				OK	OK	\$>	0		

FICHIERS BINAIREST	\$> unset sudo				OK	OK	\$>	0		
	\$> export hola unset hola echo \$?				OK	OK	0 \$>	0		
	\$> /bin/echo				OK	OK	\$>	0		
	\$> /bin/echo Hola Que Tal				OK	OK	Hola Que Tal \$>	0		
	\$> /bin/env				OK	OK	... PATH=... \$>	0		
	\$> /bin/cd Desktop				OK	OK	bash: /bin/cd: No such file or directory	127		
	\$> history	NON GERE			OK	OK	... 558 echo \$? 559 clear 560 history \$>	0		Affiche les 500 dernières commandes
	\$> [touche du haut]				OK	OK	\$> clear	/		Defile l'historique
	\$> pwd				OK	OK	/home/vietdu91/42_works/minishell \$>	0		Retourne \$PWD
	\$> pwd hola				OK	OK	/home/vietdu91/42_works/minishell \$>	0		
HISTORIQUE	\$> pwd ./hola				OK	OK	/home/vietdu91/42_works/minishell \$>	0		
	\$> pwd hola que tal				OK	OK	/home/vietdu91/42_works/minishell \$>	0		
	\$> pwd -p				OK	OK	bash: pwd: -p: invalid option \$>	2		
	\$> pwd --p				OK	OK	bash: pwd: --: invalid option \$>	2		
	\$> pwd ---p				OK	OK	bash: pwd: ---: invalid option \$>	2		
	\$> pwd -- p	NON GERE			OK	OK	/home/vietdu91/42_works/minishell \$>	0		
	\$> pwd pwd pwd				OK	OK	/home/vietdu91/42_works/minishell \$>	0		N'affiche qu'une fois
	\$> pwd ls				OK	OK	/home/vietdu91/42_works/minishell \$>	0		
	\$> pwd ls env				OK	OK	/home/vietdu91/42_works/minishell \$>	0		
	\$> cd				OK	OK	\$>	0		On doit se retrouver dans le dossier défini par \$HOME /home/vietdu91
	\$> cd .				OK	OK	\$>	0		L'utilisateur reste dans le même dossier /home/vietdu91/42_works/minishell
	\$> cd ./				OK	OK	\$>	0		/home/vietdu91/42_works/minishell
	\$> cd ./././				OK	OK	\$>	0		/home/vietdu91/42_works/minishell
	\$> cd ././././				OK	OK	\$>	0		/home/vietdu91/42_works/minishell
	\$> cd ..				OK	OK	\$>	0		On se retrouve au dossier précédent /home/vietdu91/42_works
	\$> cd ../				OK	OK	\$>	0		/home/vietdu91/42_works
	\$> cd ../../				OK	OK	\$>	0		/home/vietdu91
	\$> cd ../.				OK	OK	\$>	0		/home/vietdu91/42_works
	\$> cd .././././				OK	OK	\$>	0		/home/vietdu91/42_works
	\$> cd srcs				OK	OK	\$>	0		/home/vietdu91/42_works/minishell/srcs
	\$> cd srcs obj				OK	OK	bash: cd: too many arguments \$>	1		/home/vietdu91/42_works/minishell
	\$> cd 'srcs'				OK	OK	\$>	0		/home/vietdu91/42_works/minishell/srcs
	\$> cd "srcs"				OK	OK	\$>	0		/home/vietdu91/42_works/minishell/srcs
	\$> cd '/etc'				OK	OK	\$>	0		Marche aussi avec les double quotes /
	\$> cd /e'tc'				OK	OK	\$>	0		/etc
	\$> cd /e"tc"				OK	OK	\$>	0		/etc
	\$> cd sr				OK	OK	bash: cd: sr: No such file or directory \$>	1		
	\$> cd Makefile				OK	OK	bash: cd: Makefile: Not a directory \$>	1		
	\$> cd ../minishell				OK	OK	\$>	0		/home/vietdu91/42_works/minishell

CD PWD	\$> cd ../../../../			OK	OK	\$>	0	/	
	\$> cd ../../../../bin/ls			OK	OK	bash: cd: ../../../../bin/ls: No such file or directory \$>	1	/home/vietdu91/42_works/minishell	
	\$> cd /			OK	OK	\$>	0	/	
	\$> cd '/'			OK	OK	\$>	0	Marche aussi avec les double quotes /	
	\$> cd //	NON GERE		OK	OK	// \$>	0	/	
	\$> cd '///'	NON GERE		OK	OK	// \$>	0	Marche aussi avec les double quotes /	
	\$> cd ///			OK	OK	/ \$>	0	/	
	\$> cd //			OK	OK	/ \$>	0	/	
	\$> cd '//'			OK	OK	/ \$>	0	Marche aussi avec les double quotes /	
	\$> cd /minishell			OK	OK	bash: cd: /minishell: No such file or directory \$>	1		
	\$> cd /			OK	OK	\$>	0	/	
	\$> cd ..			OK	OK	bash: cd: _: No such file or directory \$>	1		
	\$> cd _			OK	OK	/home/vietdu91/42_works/minishell \$>	0	Retourne à \$OLD_PWD \$OLD_PWD et \$PWD sont inversés /home/vietdu91/42_works/minishell	
	\$> cd --	NON GERE		OK	OK	\$>	0	Retourne à \$HOME \$OLD_PWD et \$PWD sont inversés /home/vietdu91	
	\$> cd ---			OK	OK	bash: cd: ---: invalid option \$>	2		
	\$> cd \$HOME			OK	OK	\$>	0	/home/vietdu91	
	\$> cd \$HOME \$HOME			OK	OK	bash: cd: too many arguments \$>	1		
	\$> cd \$HOME/42_works			OK	OK	\$>	0	/home/vietdu91/42_works	
	\$> cd "\$PWD/srcs"			OK	OK	\$>	0	/home/vietdu91/42_works/minishell/srcs	
	\$> cd '\$PWD/srcs'			OK	OK	bash: cd: \$PWD/srcs: No such file or directory \$>	1		
	\$> unset HOME \$> cd \$HOME			OK	OK	bash: cd: HOME not set \$>	1		
	\$> unset HOME \$> export HOME= \$> cd			OK	OK	\$>	0	/home/vietdu91/42_works/minishell	
	\$> unset HOME \$> export HOME \$> cd			OK	OK	bash: cd: HOME not set \$>	1		
	\$> cd minishell Docs crashtest.c			OK	OK	bash: cd: too many arguments \$>	1		
	\$> cd / echo \$?			OK	OK	0 \$>	0	/home/vietdu91/42_works/minishell	
	\$> cd ~			OK	OK	\$>	0	/home/vietdu91	
	\$> cd ~/	NON GERE		OK	OK	\$>	0	/home/vietdu91	
	\$> cd ~/ echo \$?	NON GERE		OK	OK	0 \$>	0	/home/vietdu91/42_works/minishell	
	\$> cd *	NON GERE		OK	OK	\$>	0	[BONUS] S'il n'y a qu'un seul dossier et rien d'autre	
	\$> cd *	NON GERE		OK	OK	bash: cd: minishell: No such file or directory \$>	1	[BONUS] S'il n'y a qu'un seul fichier et rien d'autre	
	\$> cd *	NON GERE		OK	OK	bash: cd: too many arguments \$>	1	[BONUS] S'il y au moins deux éléments	
	\$> mkdir a \$> mkdir a/b \$> cd a/b \$> rm -rf ../../a \$> cd ..			OK	OK	chdir: error retrieving current directory: getcwd: cannot access parent directories: No such file or directory \$>	1		
	\$> mkdir a \$> mkdir a/b \$> cd a/b \$> rm -rf ../../a \$> pwd			OK	OK	pwd: error retrieving current directory: getcwd: cannot access parent directories: No such file or directory \$>	1		

BÂTARDS	\$> mkdir a \$> mkdir a/b \$> cd a/b \$> rm -r ../../a \$> echo \$PWD \$> echo \$OLDPWD			OK	OK	/home/vietdu91/42_works/minishell/a/b \$> /home/vietdu91/42_works/minishell \$>	0 0		
	\$> mkdir a \$> mkdir a/b \$> cd a/b \$> rm -r ../../a \$> cd \$> echo \$PWD \$> echo \$OLDPWD			OK	OK	/home \$> /home/vietdu91/42_works/minishell/a/b \$>	0 0		
	\$> mkdir a \$> cd a \$> rm -r ../../a \$> echo \$PWD \$> echo \$OLDPWD			OK	OK	../../../../home/vietdu91/42_works/minishell/a \$> ../../../../home/vietdu91/42_works/minishell \$>	0 0		
	\$> export CDPATH=/ \$> cd \$HOME/..	NON GERE		OK	OK	\$>	0 0		A gerer ? /home
	\$> export CDPATH=/ \$> cd /home/vietdu91	NON GERE		OK	OK	/home/vietdu91 \$>	0 0		A gerer ? /home/vietdu91
	\$> export CDPATH=. \$> cd .	NON GERE		OK	OK	\$>	0 0		A gerer ? /home/vietdu91/42_works/minishell
	\$> export CDPATH=. \$> cd ..	NON GERE		OK	OK	\$>	0 0		A gerer ? /home/vietdu91/42_works
	\$> chmod 000 minishell \$> ./minishell			OK	OK	bash: ./minishell : Permission denied \$>	126		
	\$> ls hola			OK	OK	ls: cannot access 'hola': No such file or directory \$>	2		
	\$> ./Makefile			OK	OK	bash: ./Makefile: Permission denied \$>	126		
	\$> ./minishell			OK	OK	\$>	0		Relance le Minishell Il faut donc 2 fois exit pour exit
	\$> env grep SHLVL \$> ./minishell \$> env grep SHLVL \$> exit \$> env grep SHLVL	NON GERE		OK	OK	\$>	0 0 0 0 0		
	\$> touch hola \$> ./hola			OK	OK	bash: ./hola: Permission denied \$>	126		
	\$> env "wc" -l			OK	OK	66 \$>	0		
	\$> env "wc" -l			OK	OK	bash: wc -l: command not found \$>	127		
	\$> expr 1 + 1			OK	OK	2 \$>	0		
	\$> expr \$? + \$?			OK	OK	0 \$>	0		Fait la somme de la valeur de \$?
	\$> env -i ./minishell \$> env			OK	OK	PWD=/mnt/nfs/homes/emtran/Desktop/42_minishell SHLVL=1 _=/usr/bin/env \$>	0		
	\$> env -i ./minishell \$> export			OK	OK	export OLDPWD export PWD="/mnt/nfs/homes/emtran/Desktop/42_minishell" export SHLVL="1" \$>	0		
	\$> env -i ./minishell \$> cd			OK	OK	bash: cd: HOME not set \$>	1		
	\$> env -i ./minishell \$> cd ~	NON GERE		OK	OK	\$>	0		/home/vietdu91
	\$> exit			OK	OK	exit ~/minishell \$>	0		
	\$> exit exit			OK	OK	exit bash: exit: exit: numeric argument required ~/minishell \$>	2		
	\$> exit hola			OK	OK	exit bash: exit: hola: numeric argument required ~/minishell \$>	2		
	\$> exit hola que tal			OK	OK	exit bash: exit: hola: numeric argument required ~/minishell \$>	2		
	\$> exit 42			OK	OK	exit ~/minishell \$>	42		
	\$> exit 000042			OK	OK	exit ~/minishell \$>	42		
	\$> exit 666			OK	OK	exit ~/minishell \$>	154		

EXIT

\$> exit 666 666				OK	OK	exit bash: exit: too many arguments \$>	1		
\$> exit -666 666				OK	OK	exit bash: exit: too many arguments \$>	1		
\$> exit hola 666				OK	OK	exit bash: exit: hola: numeric argument required ~/minishell \$>	2		
\$> exit 666 666 666 666				OK	OK	exit bash: exit: too many arguments \$>	1		
\$> exit 666 hola 666				OK	OK	exit bash: exit: too many arguments \$>	1		
\$> exit hola 666 666				OK	OK	exit bash: exit: hola: numeric argument required ~/minishell \$>	2		
\$> exit 259				OK	OK	exit ~/minishell \$>	3		
\$> exit -4				OK	OK	exit ~/minishell \$>	252		
\$> exit -42				OK	OK	exit ~/minishell \$>	214		
\$> exit -0000042				OK	OK	exit ~/minishell \$>	214		
\$> exit -259				OK	OK	exit ~/minishell \$>	253		
\$> exit -666				OK	OK	exit ~/minishell \$>	102		
\$> exit +666				OK	OK	exit ~/minishell \$>	154		
\$> exit 0				OK	OK	exit ~/minishell \$>	0		
\$> exit +0				OK	OK	exit ~/minishell \$>	0		
\$> exit -0				OK	OK	exit ~/minishell \$>	0		
\$> exit +42				OK	OK	exit ~/minishell \$>	42		
\$> exit -69 -96				OK	OK	exit bash: exit: too many arguments \$>	1		
\$> exit --666				OK	OK	exit bash: exit: --666: numeric argument required ~/minishell \$>	2		
\$> exit ++++666				OK	OK	exit bash: exit: ++++666: numeric argument required ~/minishell \$>	2		
\$> exit ++++++0				OK	OK	exit bash: exit: ++++++0: numeric argument required ~/minishell \$>	2		
\$> exit -----0				OK	OK	exit bash: exit: -----0: numeric argument required ~/minishell \$>	2		
\$> exit "666"				OK	OK	exit ~/minishell \$>	154		
\$> exit '666'				OK	OK	exit ~/minishell \$>	154		
\$> exit '-666'				OK	OK	exit ~/minishell \$>	102		Marche aussi pour les double quotes
\$> exit '+666'				OK	OK	exit ~/minishell \$>	154		Marche aussi pour les double quotes
\$> exit '----666'				OK	OK	exit bash: exit: ----666: numeric argument required ~/minishell \$>	2		Marche aussi pour les double quotes
\$> exit '++++666'				OK	OK	exit bash: exit: ++++666: numeric argument required ~/minishell \$>	2		Marche aussi pour les double quotes
\$> exit '6'66				OK	OK	exit ~/minishell \$>	154		Marche aussi pour les double quotes
\$> exit '2'66'32'				OK	OK	exit ~/minishell \$>	8		Marche aussi pour les double quotes
\$> exit "'666'"				OK	OK	exit bash: exit: '666': numeric argument required ~/minishell \$>	2		

\$> exit "666"			OK	OK	exit bash: exit: "666": numeric argument required ~/minishell \$>	2		
\$> exit '666'"666"666			OK	OK	exit ~/minishell \$>	170		
\$> exit +'666'"666"666			OK	OK	exit ~/minishell \$>	170		
\$> exit -'666'"666"666			OK	OK	exit ~/minishell \$>	86		
\$> exit 9223372036854775807			OK	OK	exit ~/minishell \$>	255		
\$> exit 9223372036854775808			OK	OK	exit bash: exit: 9223372036854775808: numeric argument required ~/minishell \$>	2		
\$> exit -9223372036854775808			OK	OK	exit ~/minishell \$>	0		
\$> exit -9223372036854775809			OK	OK	exit bash: exit: -9223372036854775809: numeric argument required ~/minishell \$>	2		
\$> cat cat cat ls			OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c \$>	0	Apparaît la ligne ls Et 3 retours à la ligne avec la touche Entrée	
\$> ls exit			OK	OK	\$>	0	Ne fait rien Chaque commande d'un pipeline est exécutée dans son propre sous-shell, qui est un processus distinct	
\$> ls exit 42			OK	OK	\$>	42	Ne fait rien	
\$> exit ls			OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c \$>	0		
\$> echo hola > bonjour			OK	OK	hola\$	0		
\$> exit cat -e bonjour			OK	OK	\$>	0		
\$> echo hola > bonjour			OK	OK	\$>	0		
\$> cat -e bonjour exit			OK	OK	\$>	0		
\$> echo echo			OK	OK	\$>	0		
\$> echo hola echo que tal			OK	OK	que tal \$>	0		
\$> pwd echo hola			OK	OK	hola \$>	0		
\$> env echo hola			OK	OK	hola \$>	0		
\$> echo oui cat -e			OK	OK	oui\$ \$>	0		
\$> echo oui echo non echo hola grep oui			OK	OK	\$>	0		
\$> echo oui echo non echo hola grep non			OK	OK	\$>	0		
\$> echo oui echo non echo hola grep hola			OK	OK	hola \$>	0		
\$> echo hola cat -e cat -e cat -e			OK	OK	hola\$\$\$ \$>	0		
\$> cd .. echo "hola"			OK	OK	hola \$>	0	/home/vietdu91/42_works/minishell	
\$> cd / echo "hola"			OK	OK	hola \$>	0	/home/vietdu91/42_works/minishell	
\$> cd .. pwd			OK	OK	/home/vietdu91/42_works/minishell \$>	0	/home/vietdu91/42_works/minishell	
\$> ifconfig grep ":"			OK	OK	docker0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500 ether 02:42:27:cf:95:49 txqueuelen 0 (Ethernet) [...] \$>	0		
\$> ifconfig grep hola			OK	OK	\$>	1		
\$> whoami grep \$USER			OK	OK	vietdu91 \$>	0		
\$> whoami grep \$USER > /tmp/bonjour			OK	OK	vietdu91 \$>	0		
\$> cat /tmp/bonjour			OK	OK	vietdu91\$	0		
\$> whereis ls cat -e cat -e > /tmp/bonjour			OK	OK	ls: /usr/bin/ls /usr/share/man/man1/ls.1posix.gz /usr/share/man/man1/ls.1.gz\$	0		
\$> cat /tmp/bonjour					\$>			

	\$> echo hola > a \$> >>b echo que tal \$> cat a <b cat cat > c cat			OK	OK	\$>	0		
=	\$> pwd && ls	NON GERE		OK	OK	/home/vietdu91/42_works/minishell crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c \$>	0	[BONUS]	
	\$> pwd ls	NON GERE		OK	OK	/home/vietdu91/42_works/minishell \$>	0	[BONUS]	
	\$> echo hola echo bonjour	NON GERE		OK	OK	hola \$>	0	[BONUS]	
	\$> echo hola && echo bonjour	NON GERE		OK	OK	hola bonjour \$>	0	[BONUS]	
	\$> echo bonjour echo hola	NON GERE		OK	OK	bonjour \$>	0	[BONUS]	
	\$> echo bonjour && echo hola	NON GERE		OK	OK	bonjour hola \$>	0	[BONUS]	
	\$> echo -n bonjour && echo -n hola	NON GERE		OK	OK	bonjourhola\$>	0	[BONUS]	
	\$> pwd && ls && echo hola	NON GERE		OK	OK	/home/vietdu91/42_works/minishell crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c hola \$>	0	[BONUS]	
	\$> pwd ls && echo hola	NON GERE		OK	OK	/home/vietdu91/42_works/minishell hola \$>	0	[BONUS]	
	\$> pwd && ls echo hola	NON GERE		OK	OK	/home/vietdu91/42_works/minishell crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c \$>	0	[BONUS]	
	\$> pwd ls echo hola	NON GERE		OK	OK	/home/vietdu91/42_works/minishell \$>	0	[BONUS]	
	\$> ls export ""	NON GERE		OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c \$>	0	[BONUS]	
	\$> export "" ls	NON GERE		OK	OK	bash: export: `': not a valid identifier crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c \$>	0	[BONUS]	
	\$> ls && export ""	NON GERE		OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c bash: export: `': not a valid identifier \$>	1	[BONUS]	
	\$> export "" && ls	NON GERE		OK	OK	bash: export: `': not a valid identifier \$>	1	[BONUS]	
	\$> ls ;	NON GERE		OK	OK	bash: syntax error near unexpected token `;' \$>	2	[BONUS]	Marche pour les metacharacters &();
	\$> ; ls	NON GERE		OK	OK	bash: syntax error near unexpected token `;' \$>	2	[BONUS]	Marche pour les metacharacters &();
	\$> ls && ;	NON GERE		OK	OK	bash: syntax error near unexpected token `;' \$>	2	[BONUS]	Marche pour les metacharacters &();
	\$> ; && ls	NON GERE		OK	OK	bash: syntax error near unexpected token `;' \$>	2	[BONUS]	Marche pour les metacharacters &();
	\$> ls <	NON GERE		OK	OK	bash: syntax error near unexpected token `newline' \$>	2	[BONUS]	Marche pour les metacharacters <>
	\$> ls && <	NON GERE		OK	OK	bash: syntax error near unexpected token `newline' \$>	2	[BONUS]	Marche pour les metacharacters <>
	\$> cat echo ls	NON GERE		OK	OK	\$>	0	[BONUS]	
	\$> cat echo && ls	NON GERE		OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c \$>	0	[BONUS]	
	\$> ls cat echo	NON GERE		OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c \$>	0	[BONUS]	

\$> ls && cat echo	NON GERE		OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c	0	[BONUS]	
\$> export "" && unset ""	NON GERE		OK	OK	\$> bash: export: `': not a valid identifier	1	[BONUS]	
	NON GERE		OK	OK			[BONUS]	
\$> (ls)	NON GERE		OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c	0	[BONUS]	
\$> ((ls))	NON GERE		OK	OK	\$> crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c	0	[BONUS]	
\$> (() ls)	NON GERE		OK	OK	\$> bash: syntax error near unexpected token `)'	2	[BONUS]	
\$> ls && (ls)	NON GERE		OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c	0	[BONUS]	
\$> (ls && pwd)	NON GERE		OK	OK	\$> crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c /home/vietdu91/42_works/minishell	0	[BONUS]	
\$> ((ls&&pwd))	NON GERE		OK	OK	\$> crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c /home/vietdu91/42_works/minishell	0	[BONUS]	
\$> ((ls) &&pwd)	NON GERE		OK	OK	\$> crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c /home/vietdu91/42_works/minishell	0	[BONUS]	
\$> (ls && ((pwd)))	NON GERE		OK	OK	\$> crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c /home/vietdu91/42_works/minishell	0	[BONUS]	
\$> (ls && pwd) > hola \$> cat hola	NON GERE		OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c /home/vietdu91/42_works/minishell	0	[BONUS]	
\$> > hola ls && pwd	NON GERE		OK	OK	/home/vietdu91/42_works/minishell \$>	0	[BONUS]	
\$> > hola (ls && pwd)	NON GERE		OK	OK	\$> bash: syntax error near unexpected token `('	2	[BONUS]	
\$> (> pwd) \$> ls	NON GERE		OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers pwd srcs test.c	0	[BONUS]	
\$> (< pwd) \$> ls	NON GERE		OK	OK	\$>	0	[BONUS]	Si pwd existe
\$> (< pwd)	NON GERE		OK	OK	\$> bash: pwd: No such file or directory	1	[BONUS]	Si pwd n'existe pas
\$> (((((pwd)))))	NON GERE		OK	OK	/home/vietdu91/42_works/minishell \$>	0	[BONUS]	
\$> () pwd	NON GERE		OK	OK	\$> bash: syntax error near unexpected token `)'	2	[BONUS]	
\$> > pwd (ls)	NON GERE		OK	OK	\$> bash: syntax error near unexpected token `('	2	[BONUS]	
\$> (ls pwd)&&(ls pwd)	NON GERE		OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers pwd srcs test.c crashtest.c Docs Dockers Drawings Makefile minishell philosophers pwd srcs test.c	0	[BONUS]	
\$> (lss pwd)&&(lss pwd)	NON GERE		OK	OK	\$> bash: lss: command not found /home/vietdu91/42_works/minishell bash: lss: command not found /home/vietdu91/42_works/minishell	0	[BONUS]	
\$> (lss&&pwd)&&(lss&&pwd)	NON GERE		OK	OK	\$> bash: lss: command not found	127	[BONUS]	

(PARENTHESES)	\$> (ls && pwd wc) > hola \$> cat hola	NON GERE		OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c \$> 1 1 34	0 0	[BONUS]	
	\$> (ls && pwd wc) > hola \$> (ls && pwd wc) > hola \$> cat hola	NON GERE		OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers srcs test.c \$> 1 1 34	0 0 0	[BONUS]	
	\$> (ls && pwd wc) >> hola \$> echo hey&&(ls && pwd wc) > hola \$> cat hola	NON GERE		OK	OK	hey \$> crashtest.c Docs [...] srcs test.c 1 1 34 crashtest.c Docs [...] srcs test.c 1 1 34 \$>	0 0 0	[BONUS]	
	\$> (pwd wc) < hola	NON GERE		OK	OK	\$> 1 1 34	0	[BONUS]	
	\$> (ls && pwd wc) < hola	NON GERE		OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers pwd srcs test.c \$> 1 1 34	0	[BONUS]	
	\$> (ls -z pwd wc) < hola	NON GERE		OK	OK	ls: invalid option -- 'z' \$> 1 1 34	0	[BONUS]	
	\$> echo hey > hola \$> (pwd wc) < hola	NON GERE		OK	OK	\$> 1 1 34	0	[BONUS]	
	\$> echo hey > hola \$> (ls && pwd wc) < hola	NON GERE		OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers pwd srcs test.c \$> 1 1 34	0	[BONUS]	
	\$> echo hey > hola \$> (ls -z pwd wc) < hola	NON GERE		OK	OK	ls: invalid option -- 'z' \$> 1 1 34	0	[BONUS]	
	\$> (ls -z pwd && ls)	NON GERE		OK	OK	ls: invalid option -- 'z' /home/vietdu91/42_works/minishell crashtest.c Docs Dockers Drawings Makefile minishell philosophers pwd srcs test.c \$>	0	[BONUS]	
	\$> ls (cat Makefile grep srcs) && (pwd wc)	NON GERE		OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers pwd srcs test.c \$> 1 1 34	0	[BONUS]	
	\$> ls -z && (ls) && (pwd)	NON GERE		OK	OK	ls: invalid option -- 'z' \$>	130	[BONUS]	
	\$> (ls > Docs/hey && pwd) > hola \$> cat hola \$> cat Docs/hey	NON GERE		OK	OK	/home/vietdu91/42_works/minishell \$> crashtest.c Docs [...] srcs test.c \$>	0 0 0	[BONUS]	
	\$> ls > Docs/hey && pwd > hola \$> cat hola \$> cat Docs/hey	NON GERE		OK	OK	/home/vietdu91/42_works/minishell \$> crashtest.c Docs [...] srcs test.c \$>	0 0 0	[BONUS]	

\$> cd ../../ && pwd && pwd	NON GERE		OK	OK	/home/vietdu91/ /home/vietdu91/ \$>	0	[BONUS]
\$> (cd ../../ && pwd) && pwd	NON GERE		OK	OK	/home/vietdu91/ /home/vietdu91/42_works/minishell \$>	0	[BONUS]
\$> ls -z cd ../../.&&pwd \$> pwd	NON GERE		OK	OK	ls: invalid option -- 'z' /home/vietdu91 \$> /home/vietdu91 \$>	0 0	[BONUS]
\$> ls -z (cd ../../.&&pwd) \$> pwd	NON GERE		OK	OK	ls: invalid option -- 'z' /home/vietdu91 \$> /home/vietdu91/42_works/minishell \$>	0 0	[BONUS]
\$> echo hola > bonjour \$> cat bonjour			OK	OK	hola \$>	0 0	
\$> echo que tal >> bonjour \$> cat bonjour			OK	OK	hola que tal \$>	0 0	
\$> echo hola > bonjour \$> echo que tal >> bonjour \$> cat < bonjour			OK	OK	\$> \$> hola que tal \$>	0 0 0	
\$> echo hola > bonjour \$> rm bonjour \$> echo que tal >> bonjour \$> cat < bonjour			OK	OK	que tal \$>	0 0 0 0	
\$> echo hola que tal > bonjour \$> cat bonjour			OK	OK	hola que tal \$>	0 0	
\$> echo hola que tal > /tmp/bonjour \$> cat -e /tmp/bonjour			OK	OK	hola que tal\$ \$>	0 0	
\$> export HOLA=hey \$> echo bonjour > \$HOLA \$> echo \$HOLA			OK	OK	\$> hola \$>	0 0 0	Ne fait rien
\$> whereis grep > Docs/bonjour \$> cat Docs/bonjour			OK	OK	grep: /usr/bin/grep /usr/share/man/man1/grep.1.gz /usr/share/man/man1/grep.1posix.gz /usr/share/info/grep. info.gz \$>	0 0	
\$> ls -la > Docs/bonjour \$> cat Docs/bonjour			OK	OK	total 16 drwx----- 2 vietdu91 [...] . drwxrwxrwt 51 root [...] .. -rwxr-xr-x 8 vietdu91 [...] crashtest.c [...] \$>	0 0	
\$> pwd>bonjour \$> cat bonjour			OK	OK	/home/vietdu91/42_works/minishell \$>	0 0	
\$> pwd > bonjour \$> cat bonjour			OK	OK	/home/vietdu91/42_works/minishell \$>	0 0	
\$> echo hola > > bonjour			OK	OK	bash: syntax error near unexpected token `>' \$>	2	
\$> echo hola < < bonjour			OK	OK	bash: syntax error near unexpected token `<' \$>	2	
\$> echo hola >>> bonjour			OK	OK	bash: syntax error near unexpected token `>' \$>	2	
\$> > bonjour echo hola \$> cat bonjour			OK	OK	hola \$>	0 0	
\$> > bonjour echo hola \$> cat bonjour			OK	OK	hola \$>	0 0	
\$> prout hola > bonjour \$> ls			OK	OK	bash: prout: command not found \$> bonjour [...]	127 0	Erreur mais file "bonjour" cree tout de meme
\$> echo hola > hello >> hello >> hello \$> ls \$> cat hello			OK	OK	\$> hello \$> hola \$>	0 0 0	
\$> echo hola > hello >> hello >> hello \$> echo hola >> hello \$> cat < hello			OK	OK	hola hola \$>	0 0 0	
\$> echo hola > hello >> hello >> hello \$> echo hola >> hello \$> echo hola > hello >> hello >> hello \$> cat < hello			OK	OK	hola \$>	0 0 0 0	

\$> echo hola > bonjour \$> echo hey > hello \$> <bonjour >hello \$> cat bonjour \$> cat hello				OK	OK	hola \$> >>	0 0 0 0 0			
\$> echo hola > bonjour \$> echo hey > hello \$> >bonjour >hello < prout \$> cat bonjour \$> cat hello				OK	OK	bash: prout: No such file or directory \$> \$> \$>	0 0 1 0 0			
\$> echo hola > bonjour \$> echo hey > hello \$> rm bonjour hello \$> >bonjour >hello < prout \$> cat bonjour \$> cat hello				OK	OK	bash: prout: No such file or directory \$> \$> \$>	0 0 0 1 0 0			
\$> echo hola > bonjour \$> echo hey > hello \$> >bonjour <prout hello \$> cat bonjour \$> cat hello				OK	OK	bash: prout: No such file or directory \$> \$> hey \$>	0 0 1 0 0			
\$> echo hola > bonjour \$> echo hey > hello \$> rm bonjour hello \$> >bonjour <prout hello \$> cat bonjour				OK	OK	bash: prout: No such file or directory \$> \$> \$>	0 0 1 0 0		Le fichier hello n'existe pas	
\$> echo hola > bonjour \$> <bonjour cat wc > bonjour \$> cat bonjour				OK	OK	0 0 0 \$>	0 0 0 0			
\$> rm -f bonjour \$> rm bonjour > bonjour \$> ls -l bonjour				OK	OK	ls: cannot access 'bonjour': No such file or directory	0 0 2			
\$> export HOLA="bonjour hello" \$> >\$HOLA \$> ls				OK	OK	'bonjour hello' [...] \$> \$>	0 0 0 0			
\$> export HOLA="bonjour hello" \$> >"\$HOLA" \$> ls				OK	OK	'bonjour hello' [...] \$> \$>	0 0 0 0			
\$> export HOLA="bonjour hello" \$> >\$"HOLA" \$> ls				OK	OK	HOLA [...] \$> \$>	0 0 0 0			
\$> export HOLA="bonjour hello" \$> >\$HOLA>hey \$> ls				OK	OK	'bonjour hello' hey [...] \$> \$>	0 0 0 0			
\$> export HOLA="bonjour hello" \$> >hey>\$HOLA \$> ls				OK	OK	'bonjour hello' hey [...] \$> \$>	0 0 0 0			
\$> export HOLA="bonjour hello" \$> >hey>\$HOLA>hey>hey \$> ls				OK	OK	'bonjour hello' hey [...] \$> \$>	0 0 0 0			
\$> export A=hey \$> export A B=HOLA D E C="Que Tal" \$> echo \$PROUT\$B\$C > /tmp/a > /tmp/b > /tmp/c \$> cat /tmp/a \$> cat /tmp/b \$> cat /tmp/c				OK	OK	\$> \$> \$> \$> HOLAQue Tal \$>	0 0 0 0 0 0 0			
<div> <div>Contenu du fichier a : "Amour Tu es Horrible"</div> <div>Contenu du fichier b : "0123456789"</div> <div>Contenu du fichier c : "Prout"</div> </div>										
\$> <a cat <b <c				OK	OK	Prout \$>	0			
\$> <a cat <b <c \$> cat a \$> cat b \$> cat c				OK	OK	\$> \$> \$> \$> Amour Tu es Horrible 0123456789 Prout \$>	0 0 0 0 0 0 0			
\$> >a ls >b >>c >d \$> cat a \$> cat b \$> cat c \$> cat d				OK	OK	\$> \$> \$> \$> Prout \$> crashtest.c Docs [...] test.c \$>	0 0 0 0 0 0 0			

HEREDOC	\$> >a ls >b >>c >d \$> cat a \$> cat b \$> cat c \$> cat d				OK	OK	\$> \$> \$> Prout \$> crashtest.c Docs [...] test.c \$>	0 0 0 0 0			
	\$> echo hola > a > b > c \$> cat a \$> cat b \$> cat c				OK	OK	\$> \$> hola \$>	0			
	\$> mkdir dir \$> ls -la > dir/bonjour \$> cat dir/bonjour				OK	OK	total 16 drwx----- 2 vietdu91 [...] . drwxrwxrwt 51 root [...] .. [...] \$>	0			
	\$> <a \$> cat a				OK	OK	Amour Tu es Horrible \$>	0			
	\$> >d cat <a >>e \$> cat a \$> cat d \$> cat e				OK	OK	\$> Amour \$> Amour \$>	0 0 0 0			
	\$> < a > b cat > hey >> d \$> cat d \$> ls				OK	OK	Amour Tu Es Horrible \$> [...] a b hey d	0 0 0			
	\$> cat << hola				OK	OK	> \$HOME > hola /home/vietdu91 \$>	0			
	\$> cat << 'hola'				OK	OK	> \$HOME > hola \$HOME \$>	0			
	\$> cat << "hola"				OK	OK	> \$HOME > hola \$HOME \$>	0			
	\$> cat << ho"la"				OK	OK	> \$HOME > hola \$HOME \$>	0			
	\$> cat << \$HOME				OK	OK	> prout > /home/vietdu91 > \$HO > \$HOME \$>	0			
	\$> cat << hola > bonjour \$> cat bonjour				OK	OK	> prout > croutte > antoine pue > hola \$> prout croutte antoine pue	0			
	\$> cat << hola rev				OK	OK	> prout > croutte > antoine pue > hola tuorp ettuorc eup eniotna \$>	0			
	\$> << hola				OK	OK	> chola > holache > hola > "hola" > 'hola' > hola \$>	0			
	\$> <<hola				OK	OK	> > > hola \$>	0			
	\$> cat <<				OK	OK	bash: syntax error near unexpected token 'newline' \$>	2			

WILDCARD	\$> cat << prout << lol << koala			OK	OK	> prout > lol > koala \$>	0		
	\$> prout << lol << cat << koala			OK	OK	> prout > lol > cat > koala bash: prout: command not found \$>	127		
	\$> << \$hola			OK	OK	> \$hola \$>	0		
	\$> << \$"hola"\$"b"			OK	OK	> holab \$>	0		
	\$> << \$"\$hola"\$"\$b"			OK	OK	> \$hola\$\$b \$>	0		
	\$> << ho\$la\$"a"\$"\$b"			OK	OK	> hola\$a\$b > ho\$la\$a\$nb \$>	0		
	\$> echo hola <<< bonjour			OK	OK	hola \$>	0		
	\$> echo hola <<<< bonjour			OK	OK	bash: syntax error near unexpected token '<' \$>	2		
	\$> echo hola <<<<< bonjour			OK	OK	bash: syntax error near unexpected token '<<' \$>	2		
	\$> ls *	NON GERE		OK	OK	crashtest.c Docs Dockers Drawings Makefile minishell philosophers test.c \$>	0	[BONUS]	
	\$> ls *.*	NON GERE		OK	OK	Docs: identite.pdf loyer.pdf srcs: main.c utils.c sort.c \$>	0	[BONUS]	
	\$> ls *.hola	NON GERE		OK	OK	ls: cannot access '*.hola': No such file or directory \$>	2	[BONUS]	
	\$> cat M*le	NON GERE		OK	OK	[affiche le Makefile] \$>	0	[BONUS]	
	\$> cat M*ee	NON GERE		OK	OK	cat: 'M*ee': No such file or directory \$>	1	[BONUS]	
	\$> cat Make*file	NON GERE		OK	OK	[affiche le Makefile] \$>	0	[BONUS]	