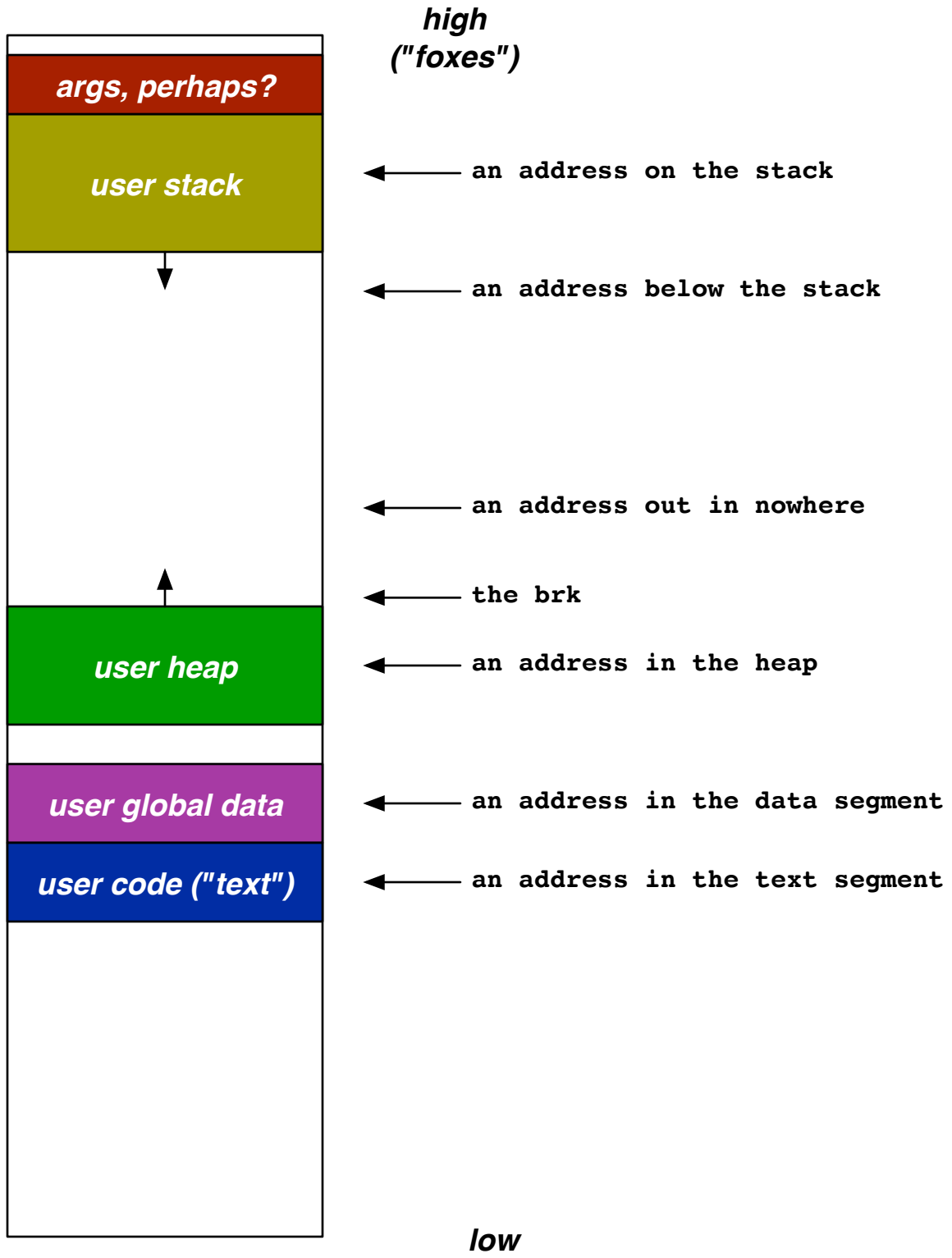
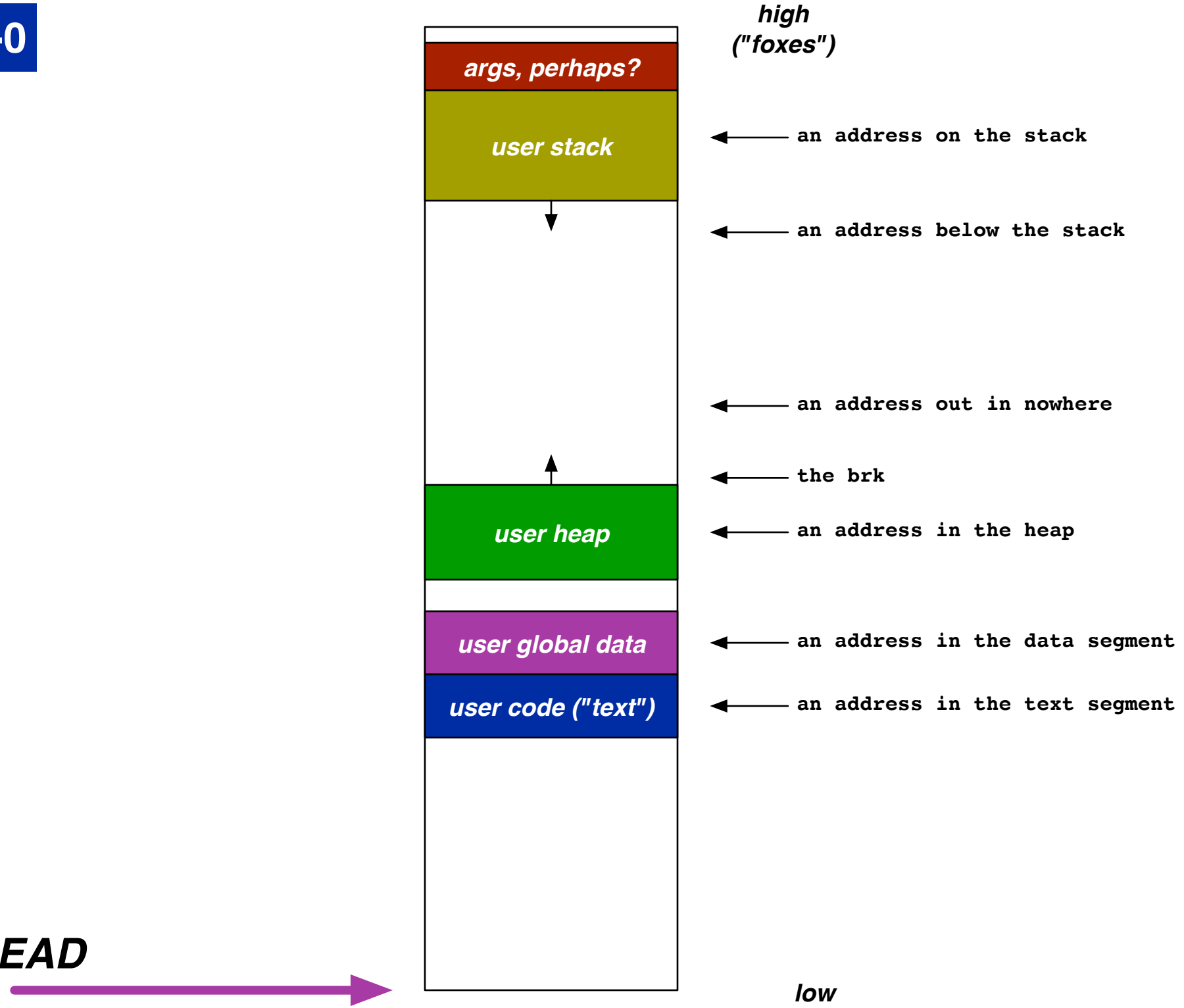
**fault.c**

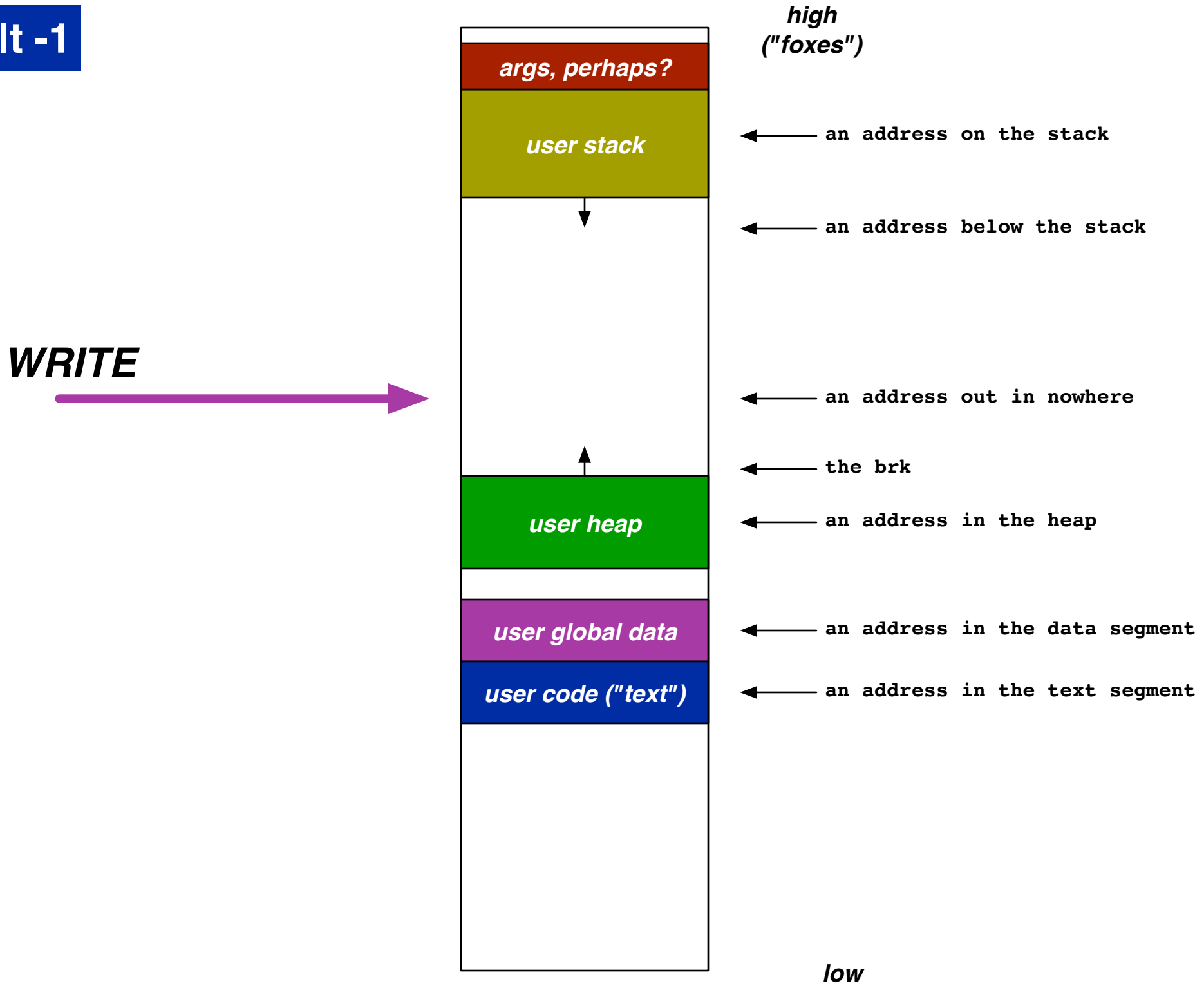
demos


high
("foxes")
args, perhaps?
user stack
an address on the stack
an address below the stack
an address out in nowhere
the brk
user heap
an address in the heap
user global data
an address in the data segment
user code ("text")
an address in the text segment
low

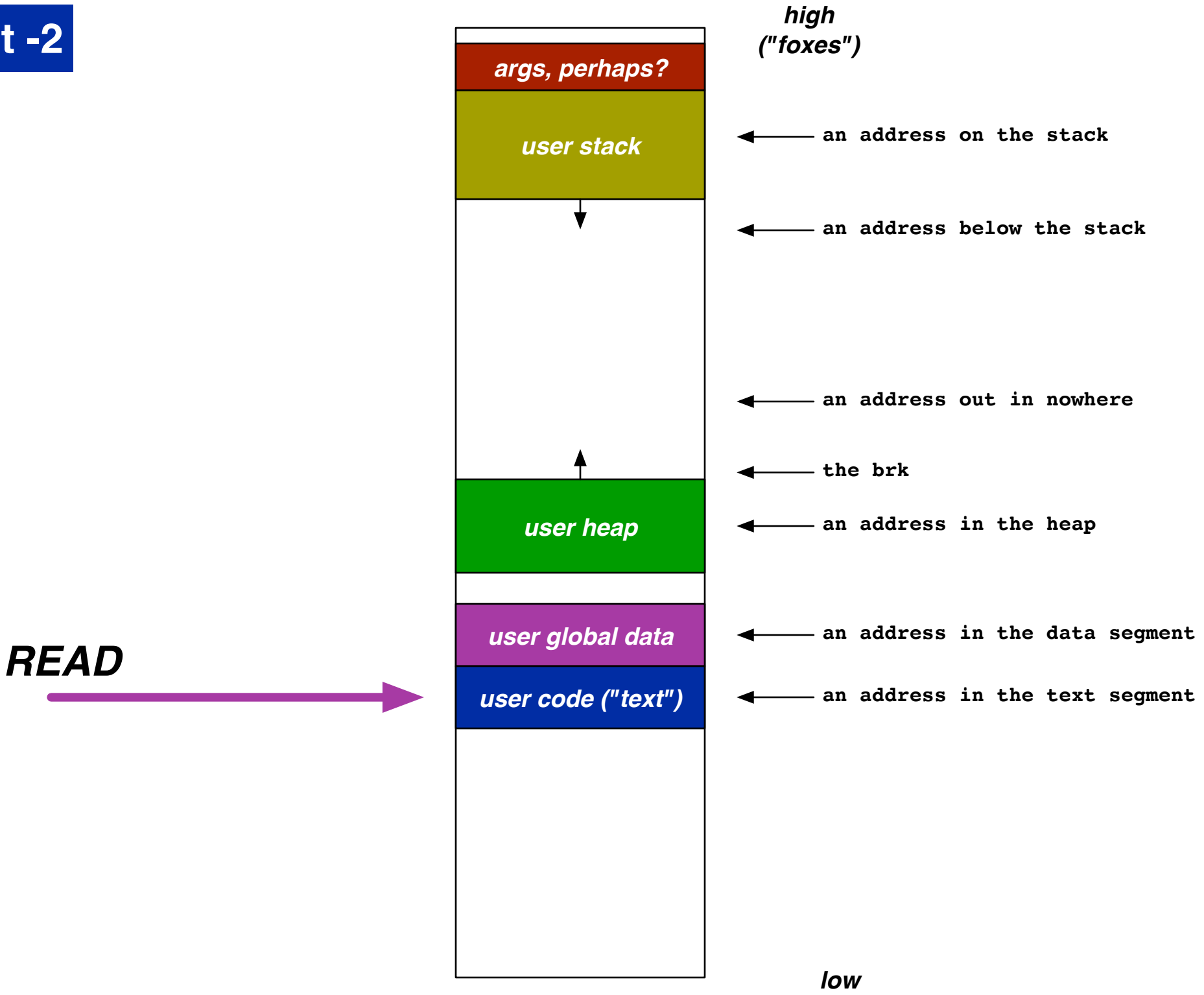
# ./fault -0


high
("foxes")
args, perhaps?
user stack
an address on the stack
an address below the stack
an address out in nowhere
the brk
user heap
an address in the heap
user global data
an address in the data segment
user code ("text")
an address in the text segment
low
READ

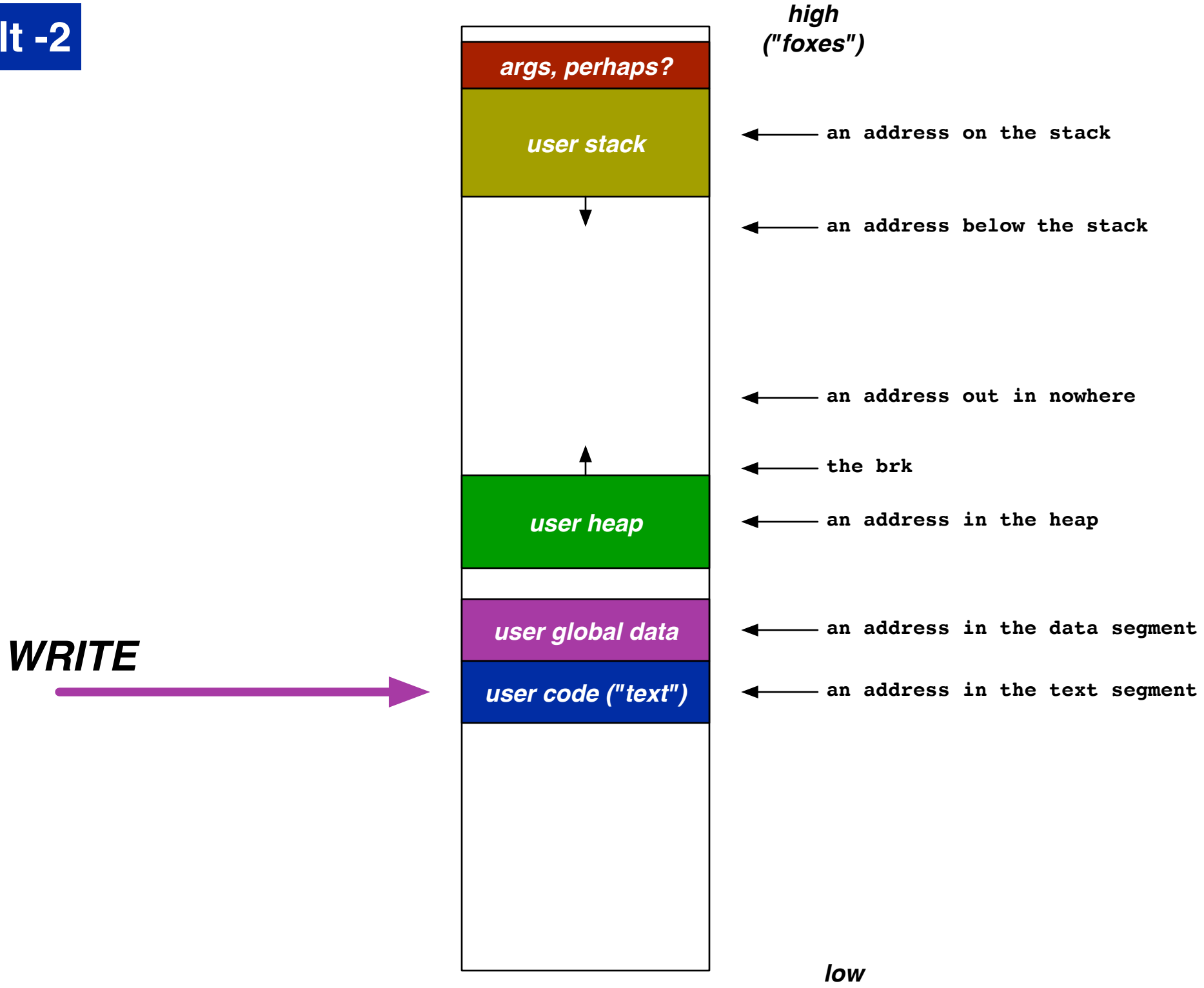
# ./fault -1


high
("foxes")
args, perhaps?
user stack
an address on the stack
an address below the stack
WRITE
an address out in nowhere
the brk
user heap
an address in the heap
user global data
an address in the data segment
user code ("text")
an address in the text segment
low

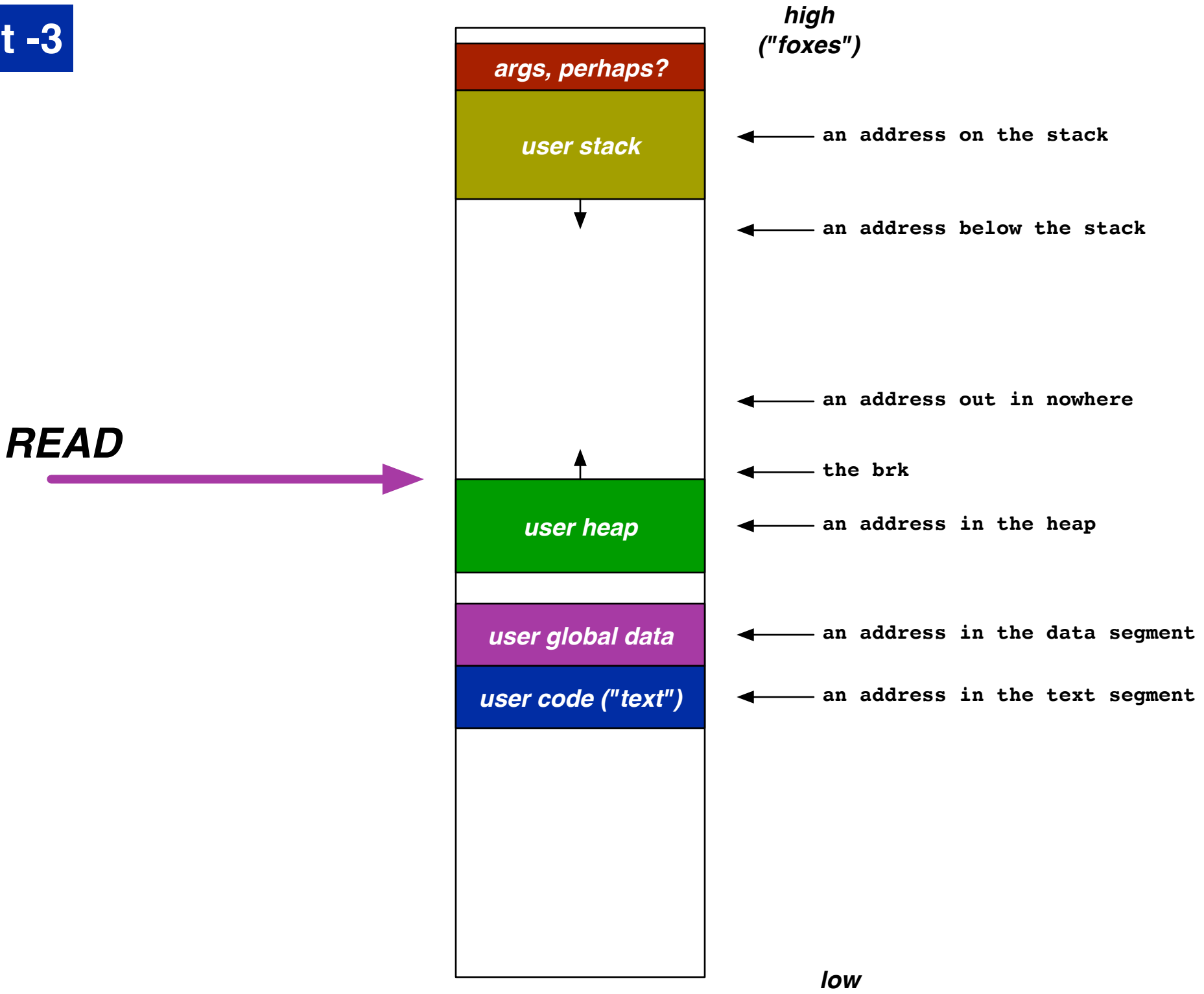
# ./fault -2


high
("foxes")
args, perhaps?
user stack
an address on the stack
an address below the stack
an address out in nowhere
the brk
user heap
an address in the heap
user global data
an address in the data segment
READ
user code ("text")
an address in the text segment
low

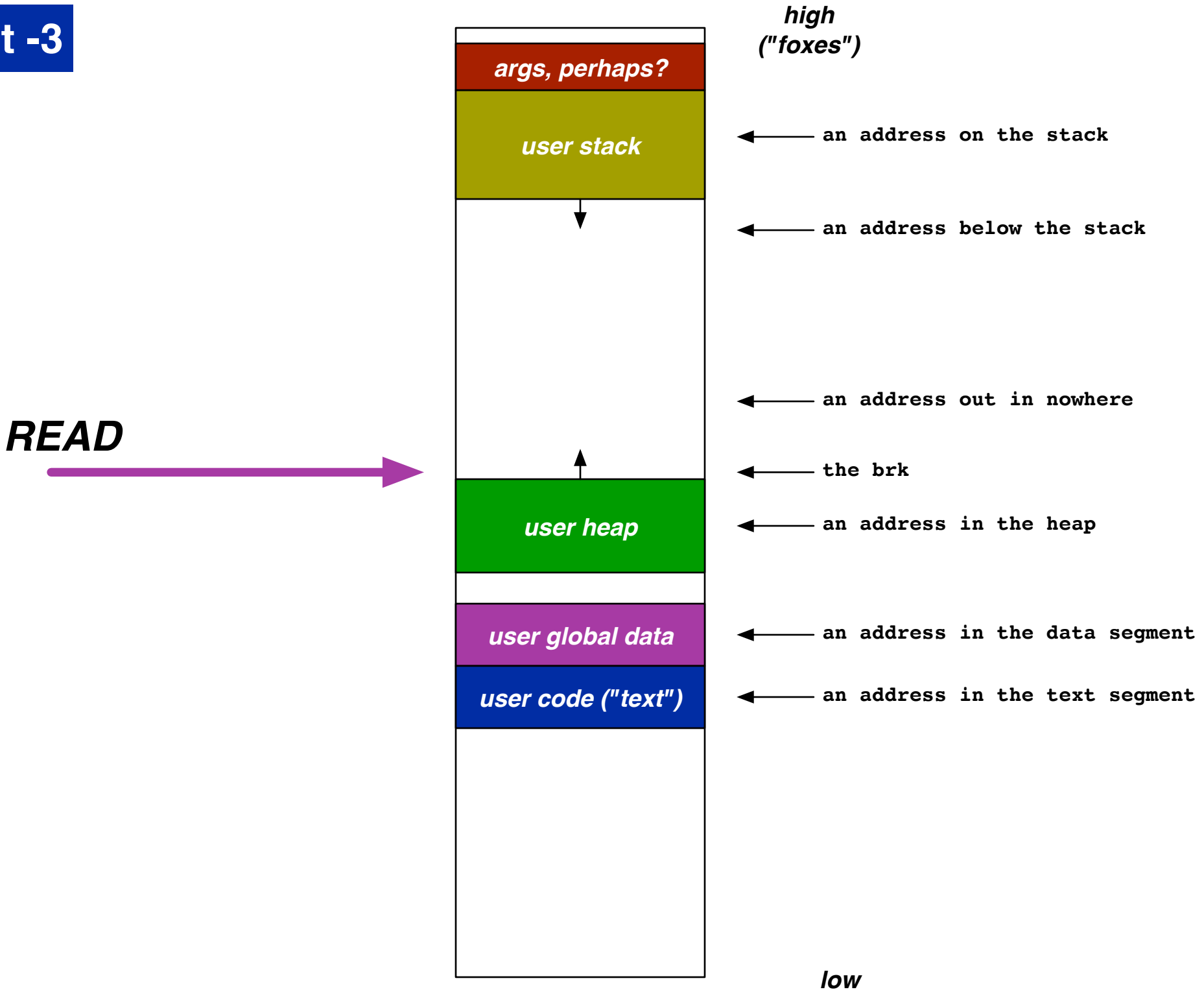
# ./fault -2


high
("foxes")
args, perhaps?
user stack
an address on the stack
an address below the stack
an address out in nowhere
the brk
user heap
an address in the heap
user global data
an address in the data segment
WRITE
user code ("text")
an address in the text segment
low

# ./fault -3

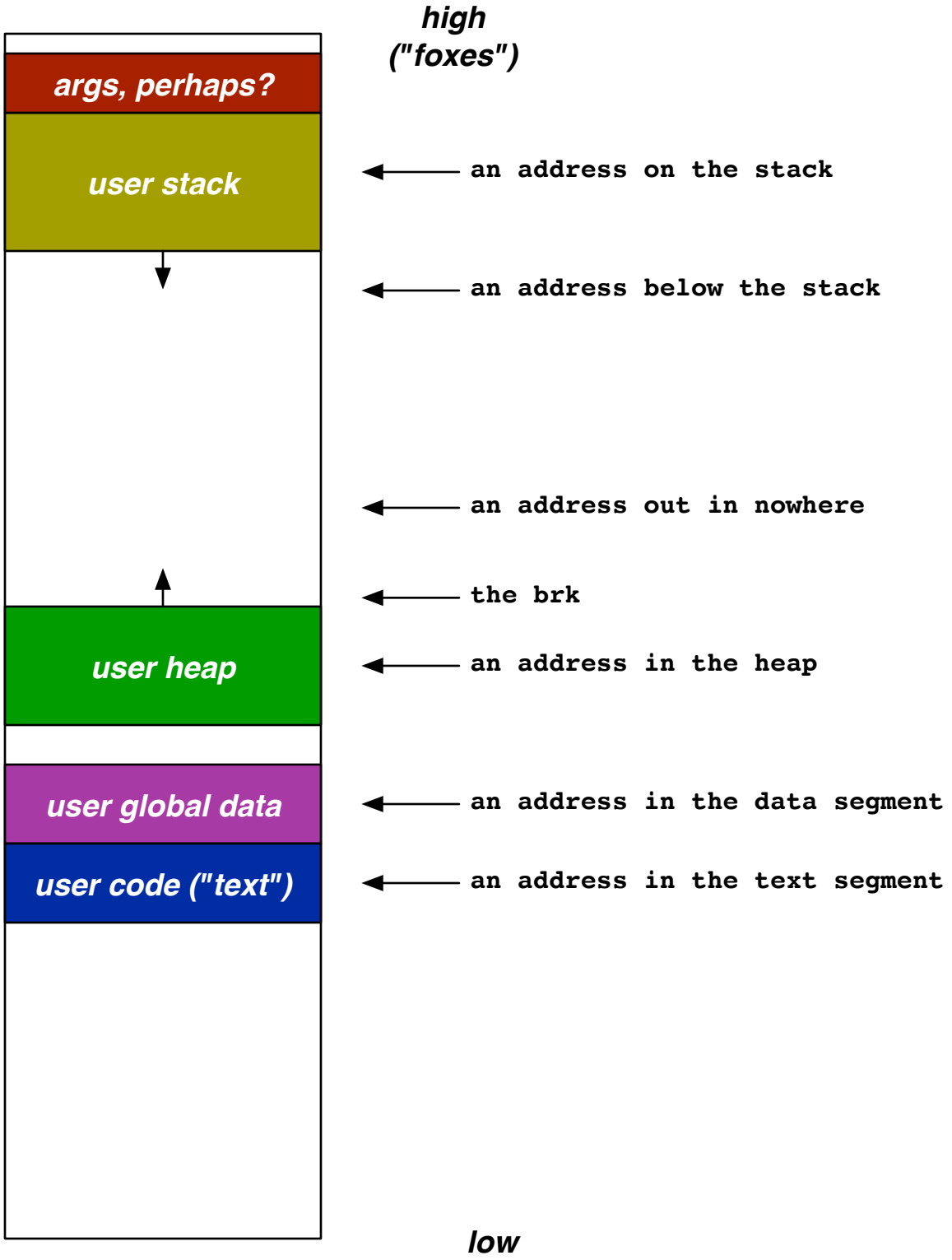

high
("foxes")
args, perhaps?
user stack
an address on the stack
an address below the stack
an address out in nowhere
READ
the brk
user heap
an address in the heap
user global data
an address in the data segment
user code ("text")
an address in the text segment
low

# ./fault -3


high
("foxes")
args, perhaps?
user stack
an address on the stack
an address below the stack
an address out in nowhere
READ
the brk
user heap
an address in the heap
user global data
an address in the data segment
user code ("text")
an address in the text segment
low

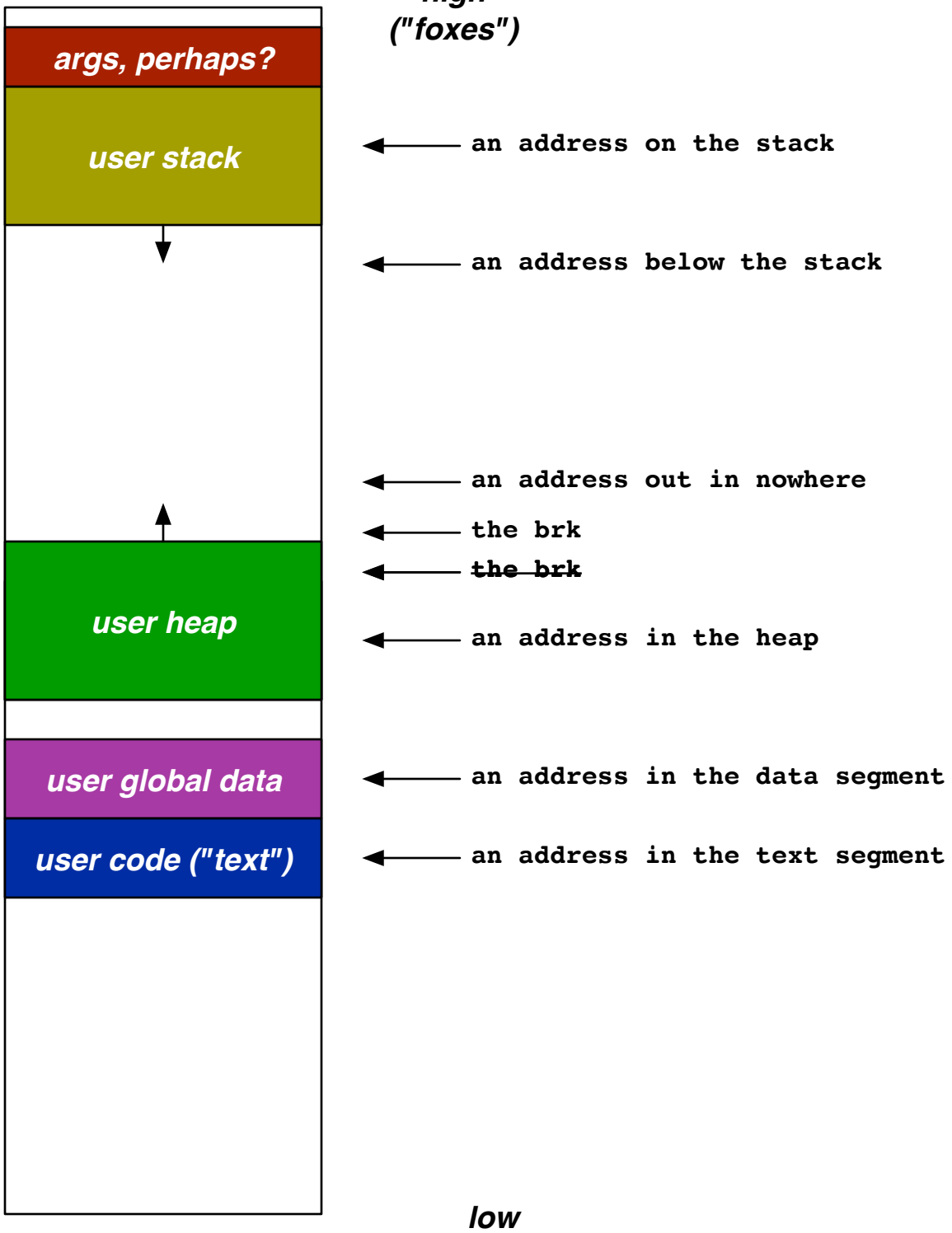
# ./fault -4

***malloc() a lot***

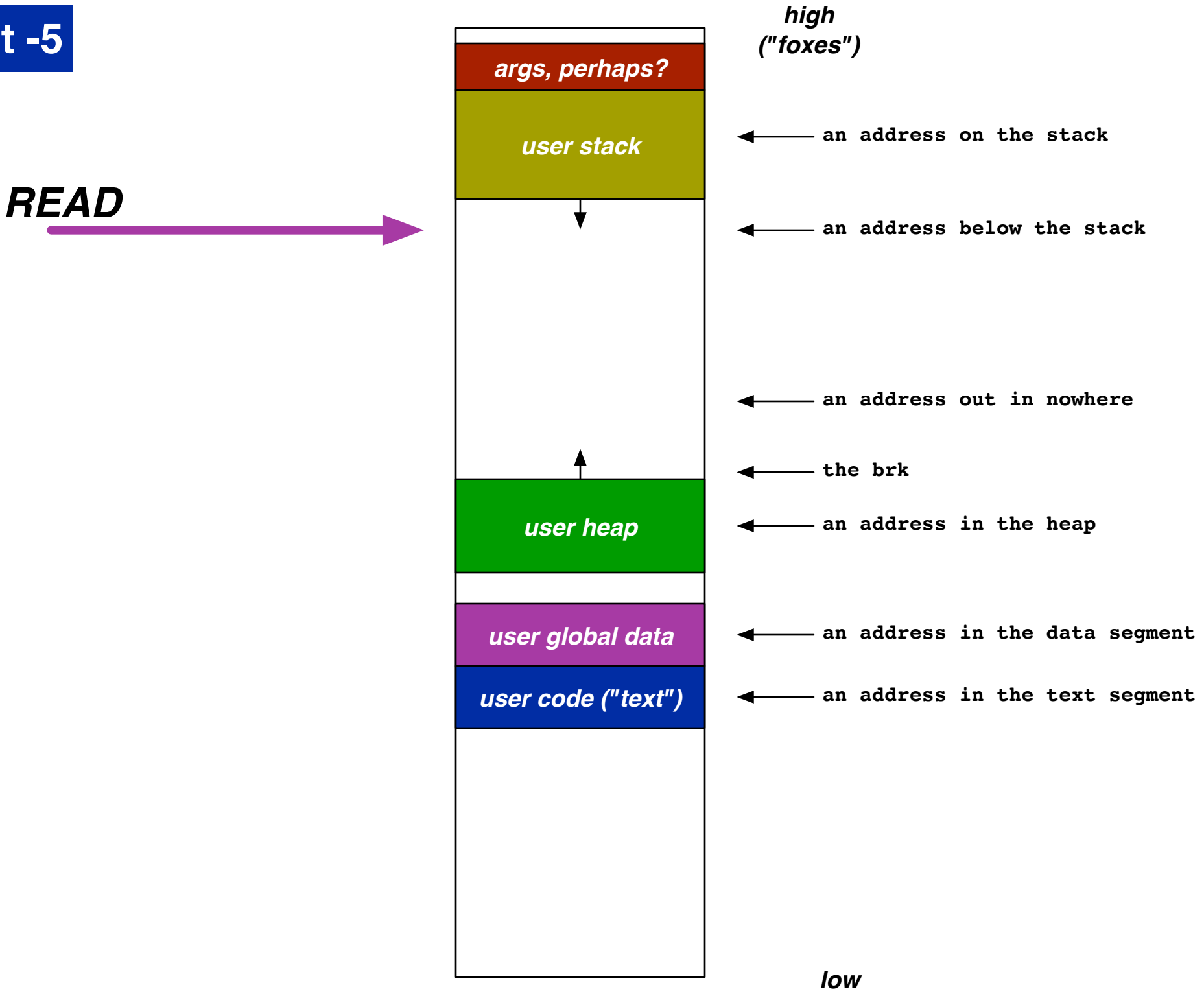


# ./fault -4

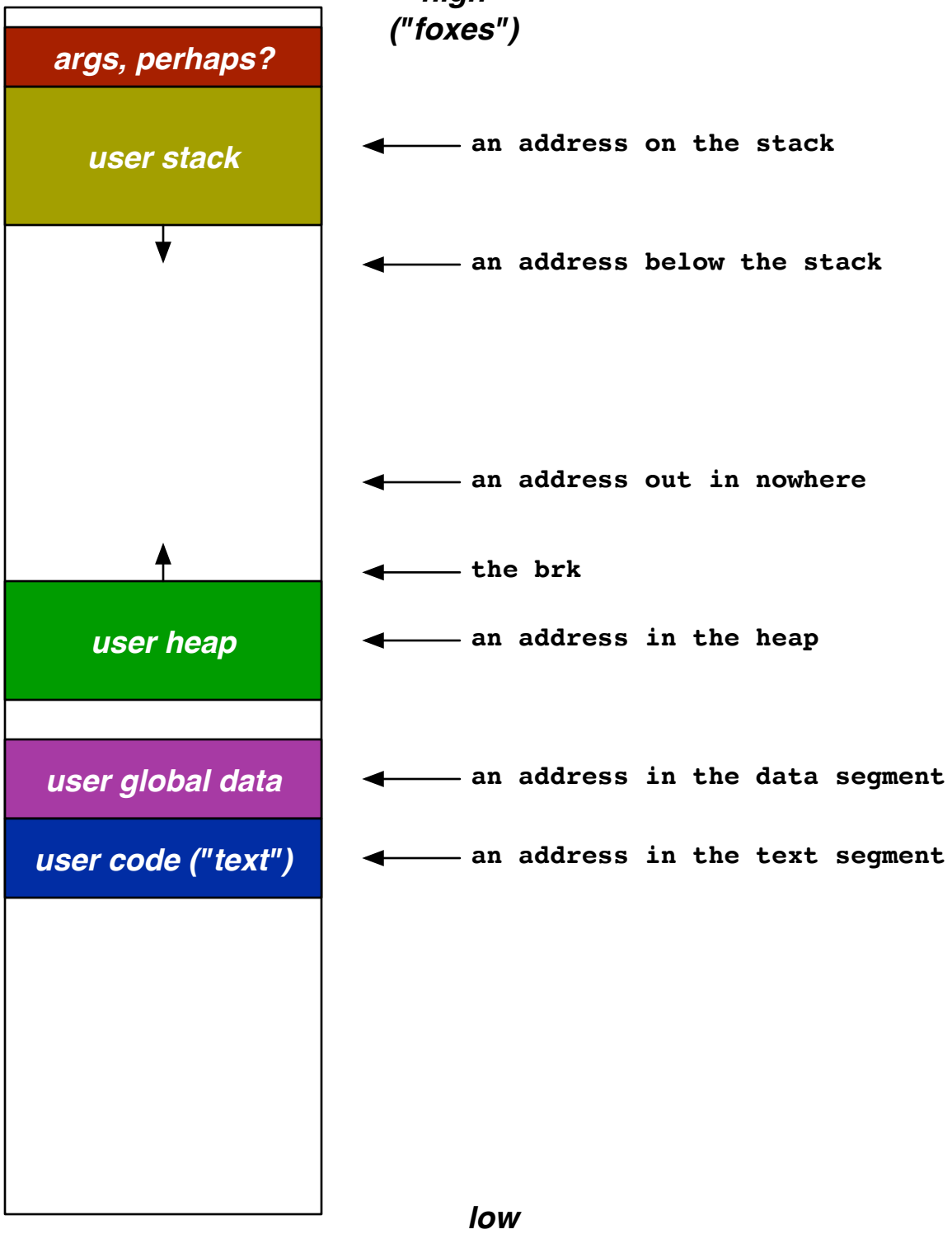
***malloc() a lot***



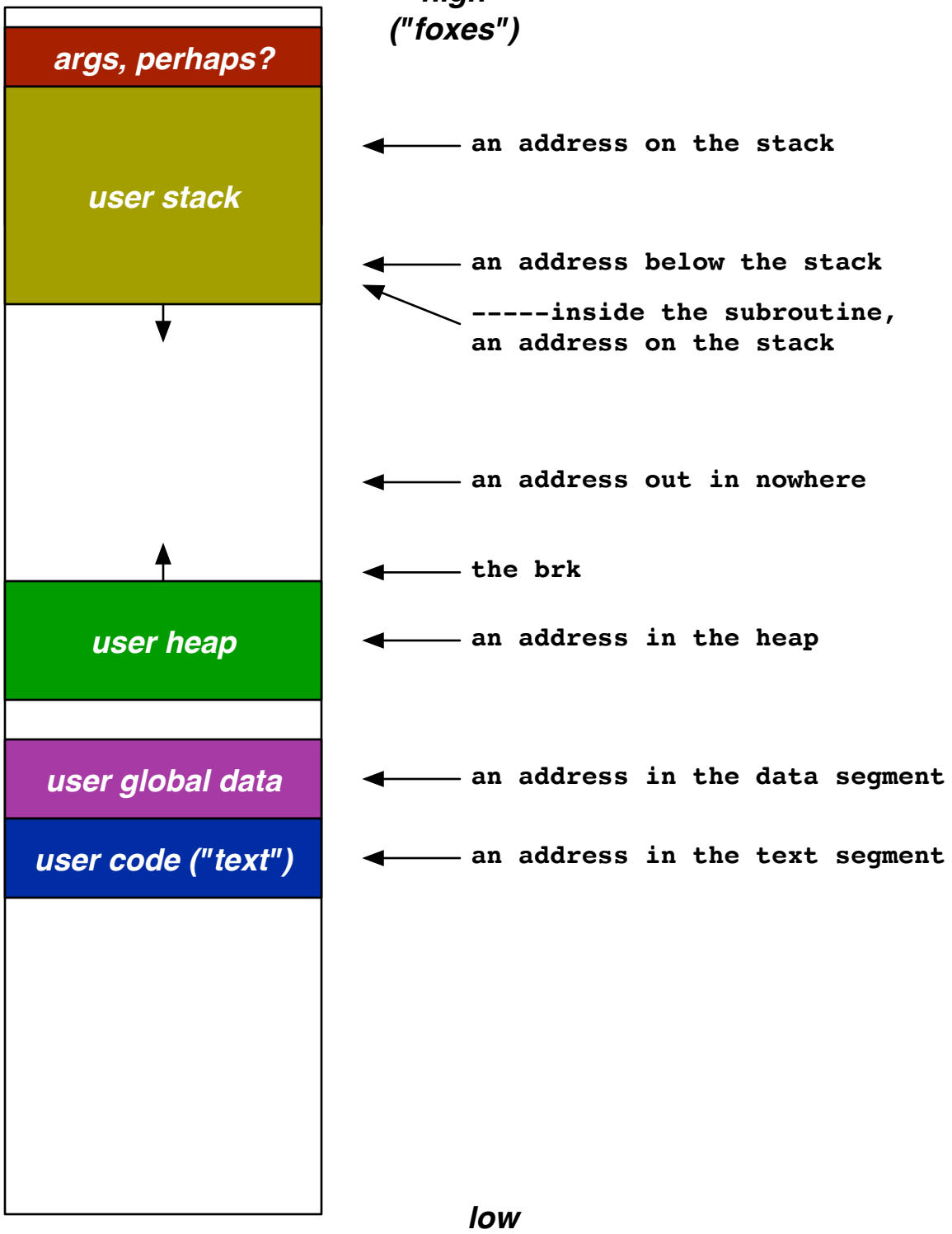
# ./fault -5


high
("foxes")
args, perhaps?
user stack
READ
an address on the stack
an address below the stack
an address out in nowhere
the brk
user heap
an address in the heap
user global data
an address in the data segment
user code ("text")
an address in the text segment
low

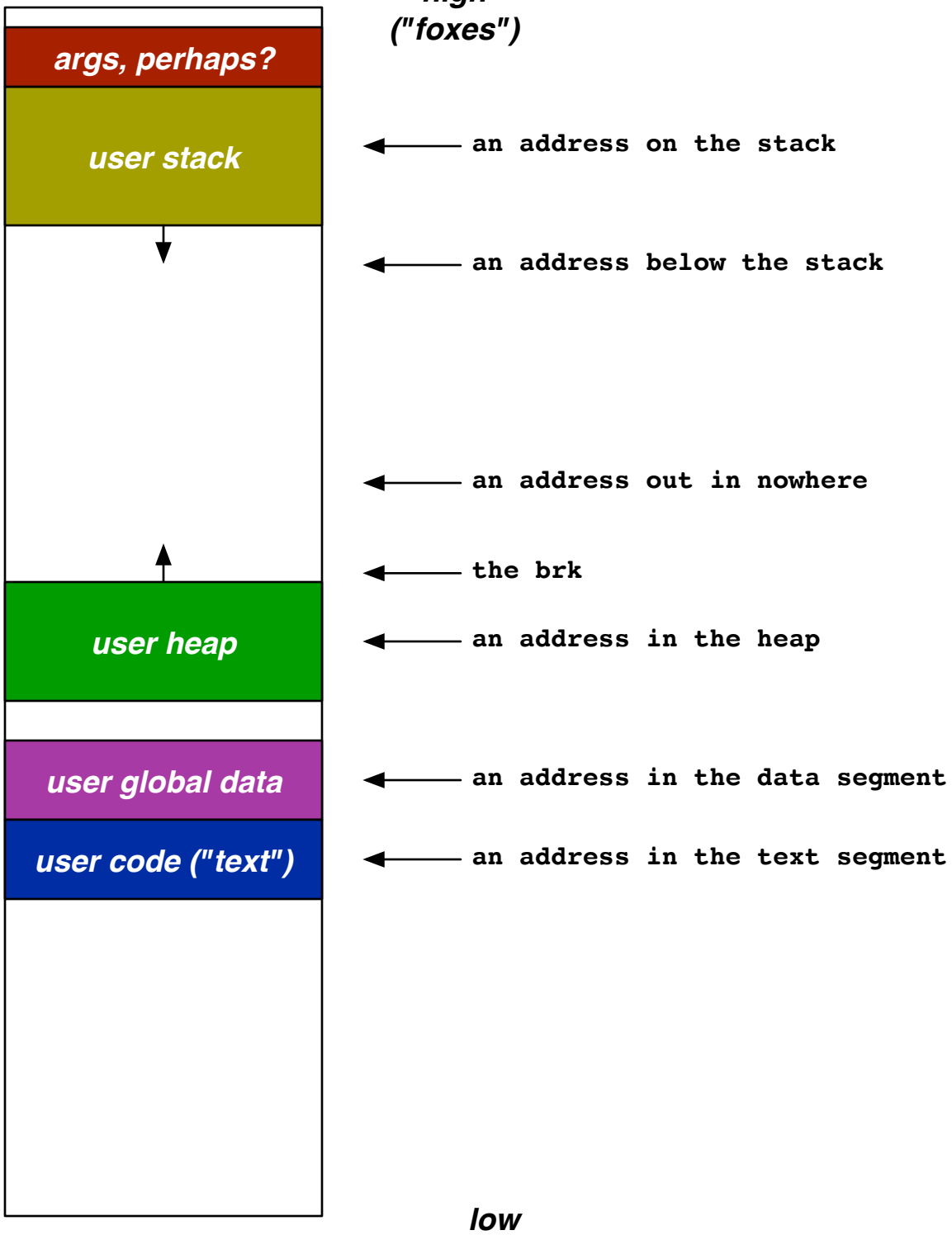
# ./fault -6


high
("foxes")
args, perhaps?
user stack
an address on the stack
an address below the stack
an address out in nowhere
the brk
user heap
an address in the heap
user global data
an address in the data segment
user code ("text")
an address in the text segment
low

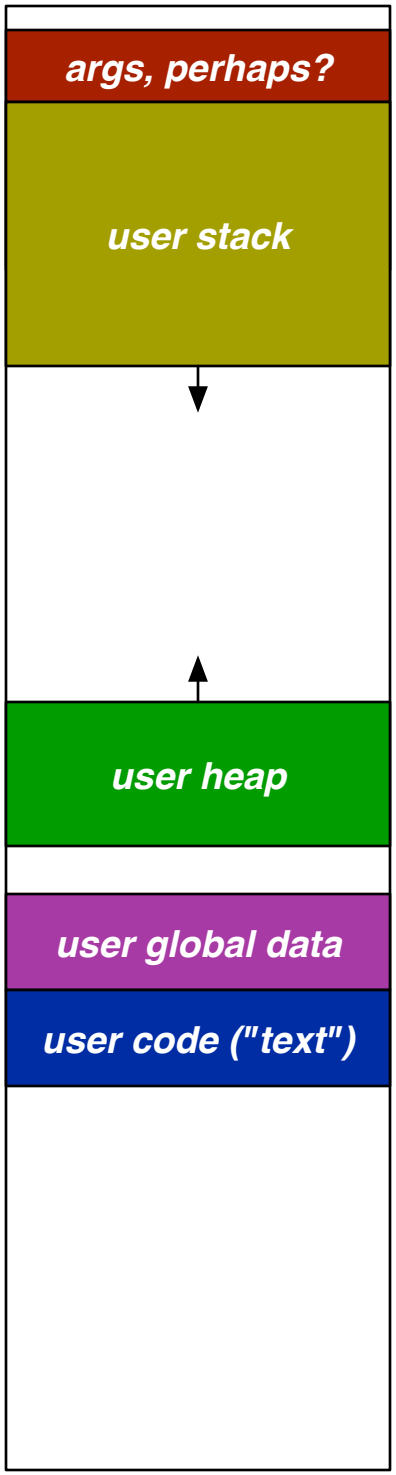
# ./fault -6


high
("foxes")
args, perhaps?
user stack
an address on the stack
an address below the stack
-----inside the subroutine,
an address on the stack
an address out in nowhere
the brk
user heap
an address in the heap
user global data
an address in the data segment
user code ("text")
an address in the text segment
low

# ./fault -7


high
("foxes")
args, perhaps?
user stack
an address on the stack
an address below the stack
an address out in nowhere
the brk
user heap
an address in the heap
user global data
an address in the data segment
user code ("text")
an address in the text segment
low

# ./fault -7




an address on the stack

an address below the stack

-----inside the subroutine,
an address on the stack

an address out in nowhere

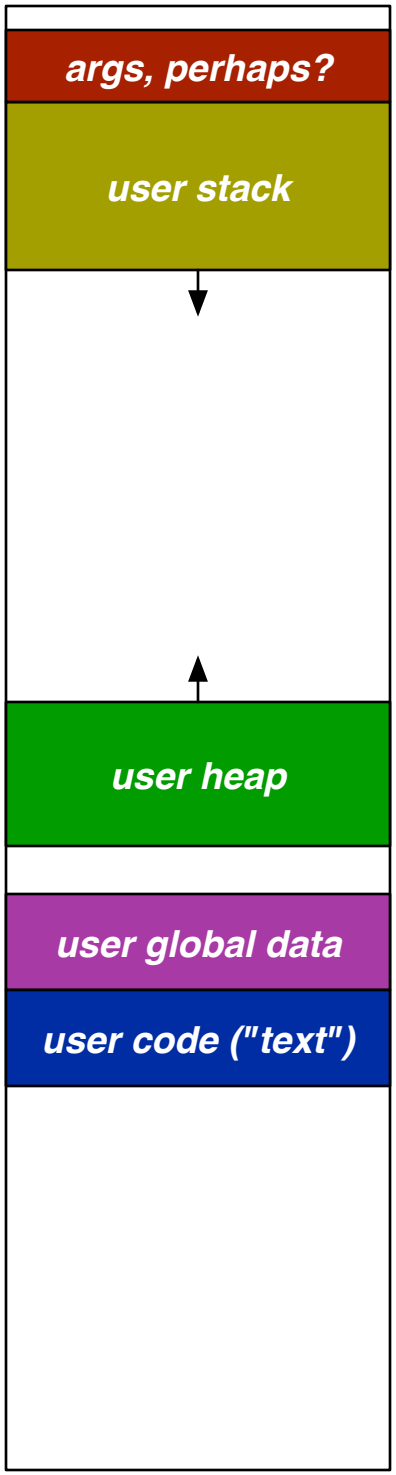
the brk

an address in the heap

an address in the data segment

an address in the text segment

# ./fault -7




an address on the stack

an address below the stack

-----inside the subroutine,
an address on the stack

an address out in nowhere

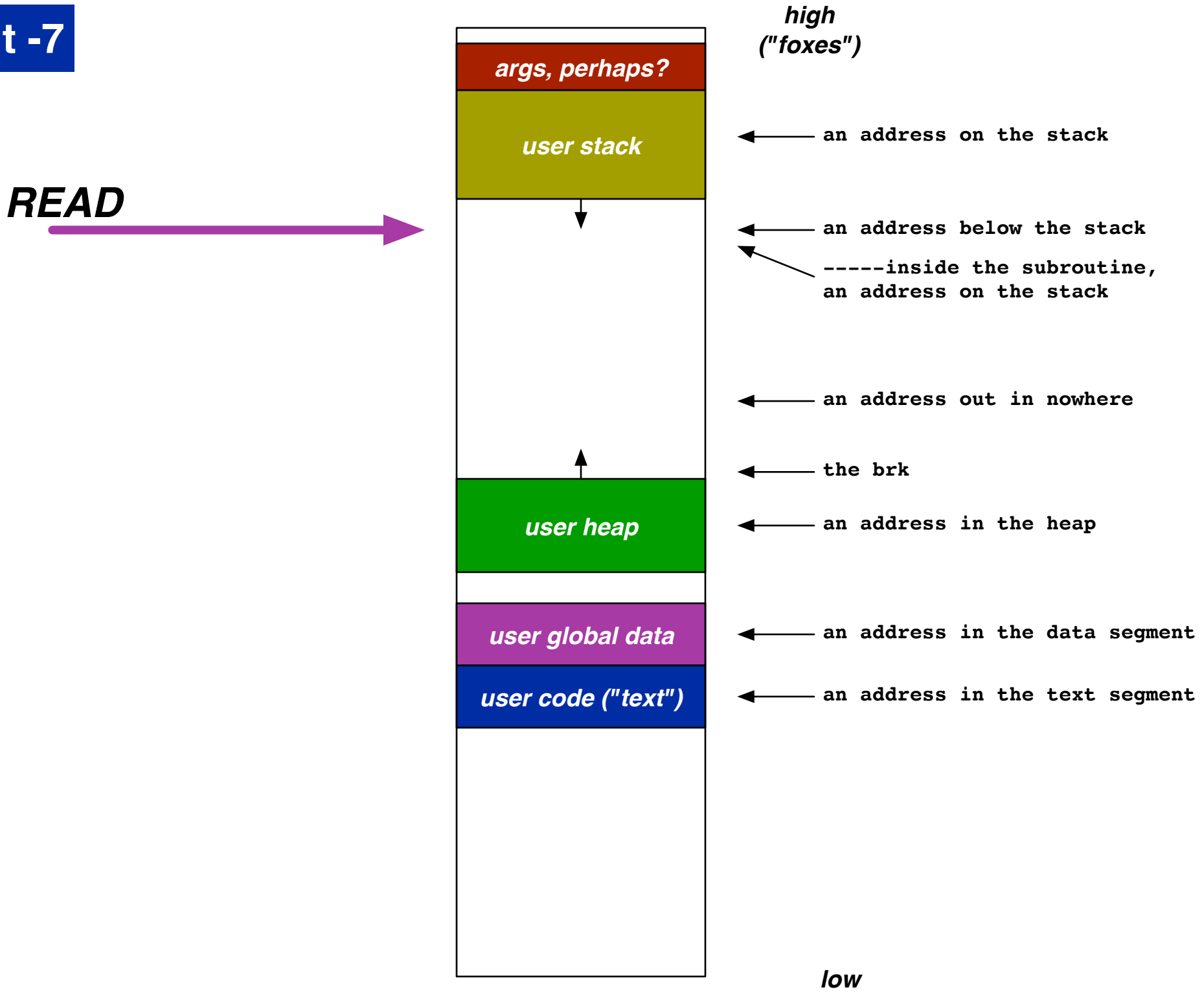
the brk

an address in the heap

an address in the data segment

an address in the text segment

# ./fault -7


high
("foxes")
args, perhaps?
user stack
READ
an address on the stack
an address below the stack
-----inside the subroutine,
an address on the stack
an address out in nowhere
the brk
user heap
an address in the heap
user global data
an address in the data segment
user code ("text")
an address in the text segment
low