

Problem 1

workspace

```
let a = { contents = 1 } in  
a.contents <- a.contents + 1;  
let b = a in  
b.contents <- b.contents + 1;  
let x = a.contents in  
x
```

stack

heap

Problem 1

workspace


```
let a = { contents = 1 } in  
a.contents <- a.contents + 1;  
let b = a in  
b.contents <- b.contents + 1;  
let x = a.contents in  
x
```

stack

heap

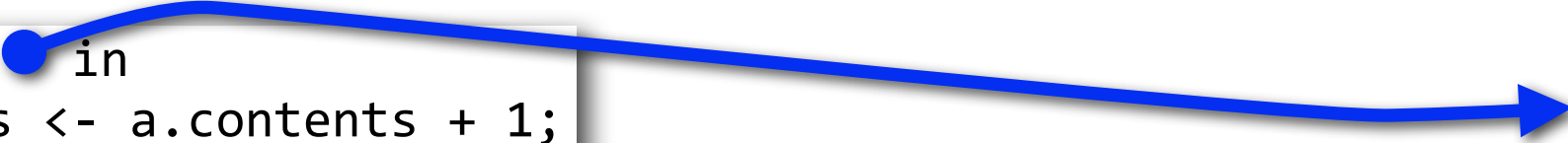
Problem 1

workspace

```
let a =  in  
a.contents <- a.contents + 1;  
let b = a in  
b.contents <- b.contents + 1;  
let x = a.contents in  
x
```

stack

heap



contents	1
----------	---

Problem 1

workspace

```
a.contents <- a.contents + 1;  
let b = a in  
b.contents <- b.contents + 1;  
let x = a.contents in  
x
```

stack



heap



Problem 1

workspace

```
a.contents <- 1 + 1;  
let b = a in  
b.contents <- b.contents + 1;  
let x = a.contents in  
x
```

stack



heap



Problem 1

workspace

```
a.contents <- 2;  
let b = a in  
b.contents <- b.contents + 1;  
let x = a.contents in  
x
```

stack



heap



Problem 1

workspace

```
a.contents <- 2;  
let b = a in  
b.contents <- b.contents + 1;  
let x = a.contents in  
x
```

stack



heap



Problem 1

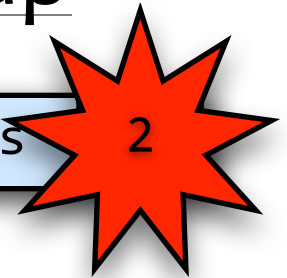
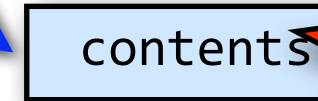
workspace

```
();  
let b = a in  
b.contents <- b.contents + 1;  
let x = a.contents in  
x
```

stack



heap

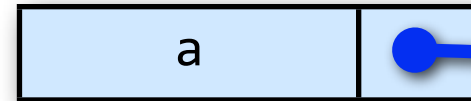


Problem 1

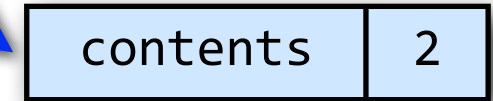
workspace

```
let b = a in  
b.contents <- b.contents + 1;  
let x = a.contents in  
x
```

stack



heap



Problem 1

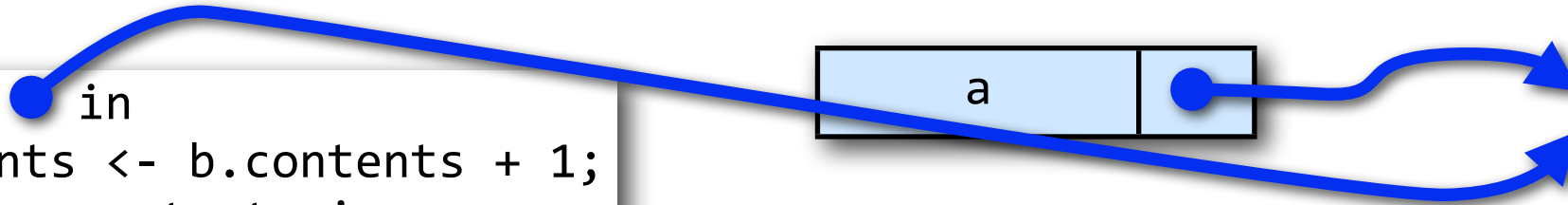
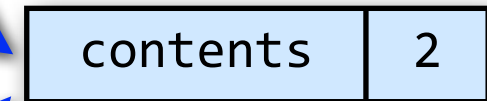
workspace

```
let b = • in  
b.contents <- b.contents + 1;  
let x = a.contents in  
x
```

stack



heap

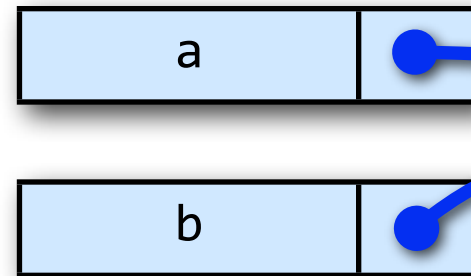


Problem 1

workspace

```
b.contents <- b.contents + 1;  
let x = a.contents in  
x
```

stack



heap

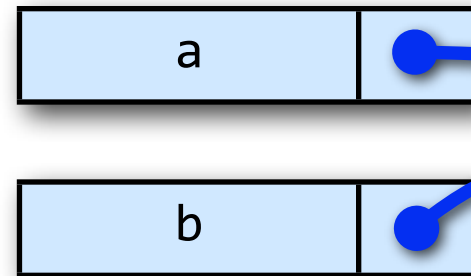


Problem 1

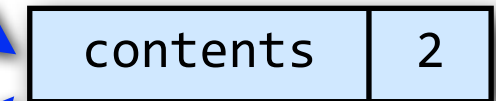
workspace

```
b.contents <- 2 + 1;  
let x = a.contents in  
x
```

stack



heap

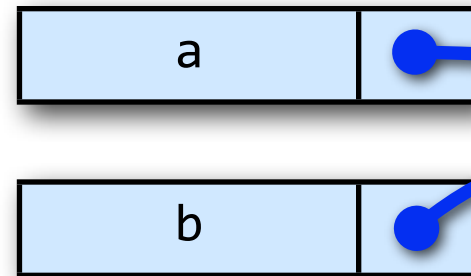


Problem 1

workspace

```
b.contents <- 3;  
let x = a.contents in  
x
```

stack



heap

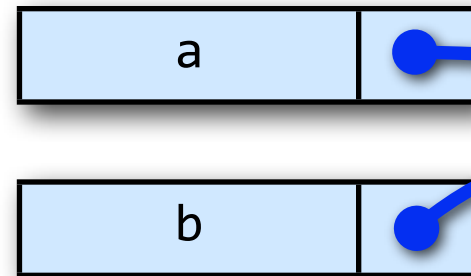


Problem 1

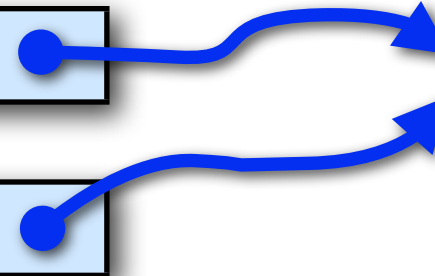
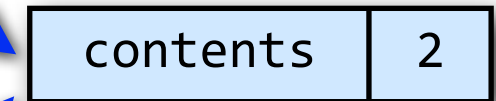
workspace

```
b.contents <- 3;  
let x = a.contents in  
x
```

stack



heap

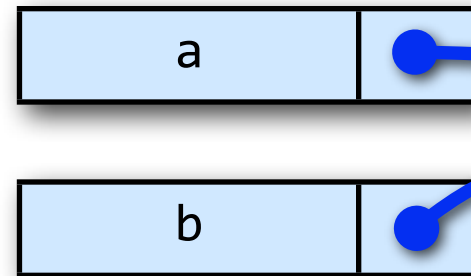


Problem 1

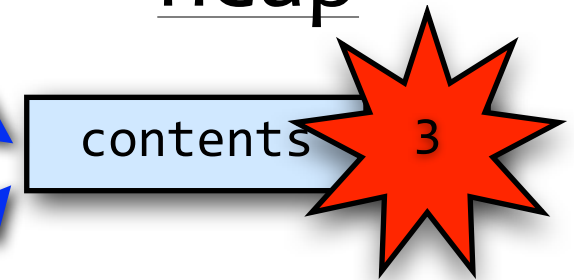
workspace

```
();  
let x = a.contents in  
x
```

stack



heap

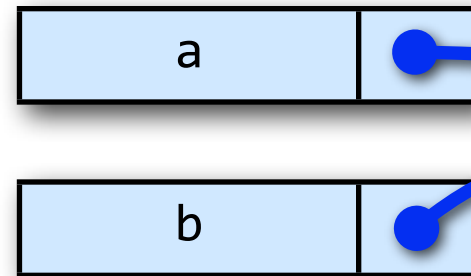


Problem 1

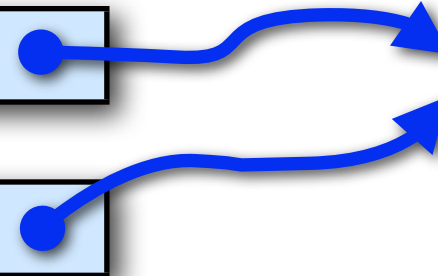
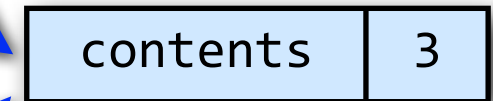
workspace

```
let x = a.contents in  
x
```

stack



heap

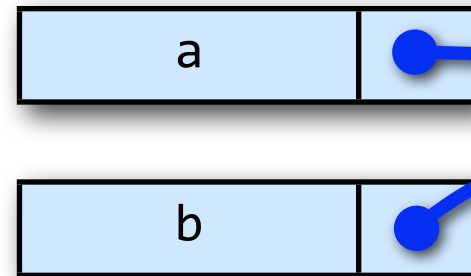


Problem 1

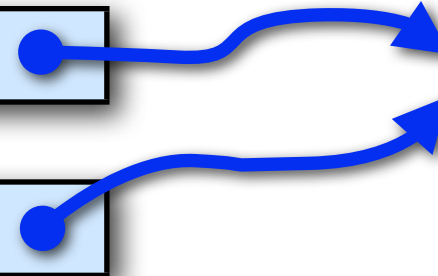
workspace

```
let x = 3 in  
x
```

stack



heap

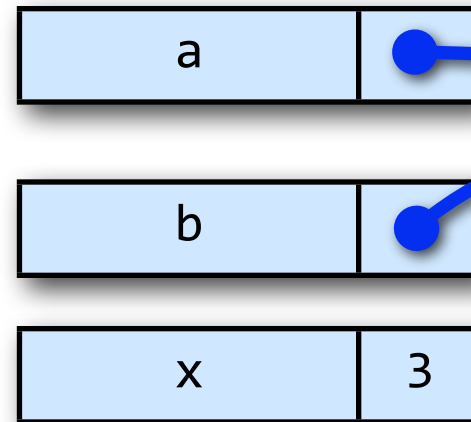


Problem 1: Answer

workspace

x

stack



heap

