

**Exercise 4.56.**

Formulate compound queries that retrieve the following information:

- a. the names of all people who are supervised by Ben Bitdiddle, together with their addresses;
- b. all people whose salary is less than Ben Bitdiddle's, together with their salary and Ben Bitdiddle's salary;
- c. all people who are supervised by someone who is not in the computer division, together with the supervisor's name and job.

**Answer.**

a.

```
(and (supervisor ?person (Bitdiddle Ben))  
      (address ?person ?where))
```


b.

```
(and (salary ?person ?person-amount)  
      (salary (Bitdiddle Ben) ?Ben-amount)  
      (lisp-value < ?person-amount Ben-amount))
```

c.

```
(and (supervisor ?pupil ?mentor)  
      (not (job ?mentor (computer . ?type)))  
      (job ?mentor ?position))
```

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