

Exercise 4.56.

Formulate compound queries that retrieve the following information:

- the names of all people who are supervised by Ben Bitdiddle, together with their addresses;
- all people whose salary is less than Ben Bitdiddle's, together with their salary and Ben Bitdiddle's salary;
- 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 ?amount)
      (lisp-value <
                   ?amount
                   (caddr (salary (Bitdiddle Ben) ?amount))))

(salary (Bitdiddle Ben) ?amount)
```

c.

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

(not (job ?person (computer . ?type)))
```

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