II: 7: Functions: Functions list, Complex functions.

Results

- Primary: a complete list of functions
- Secondary: specifications of complex functions
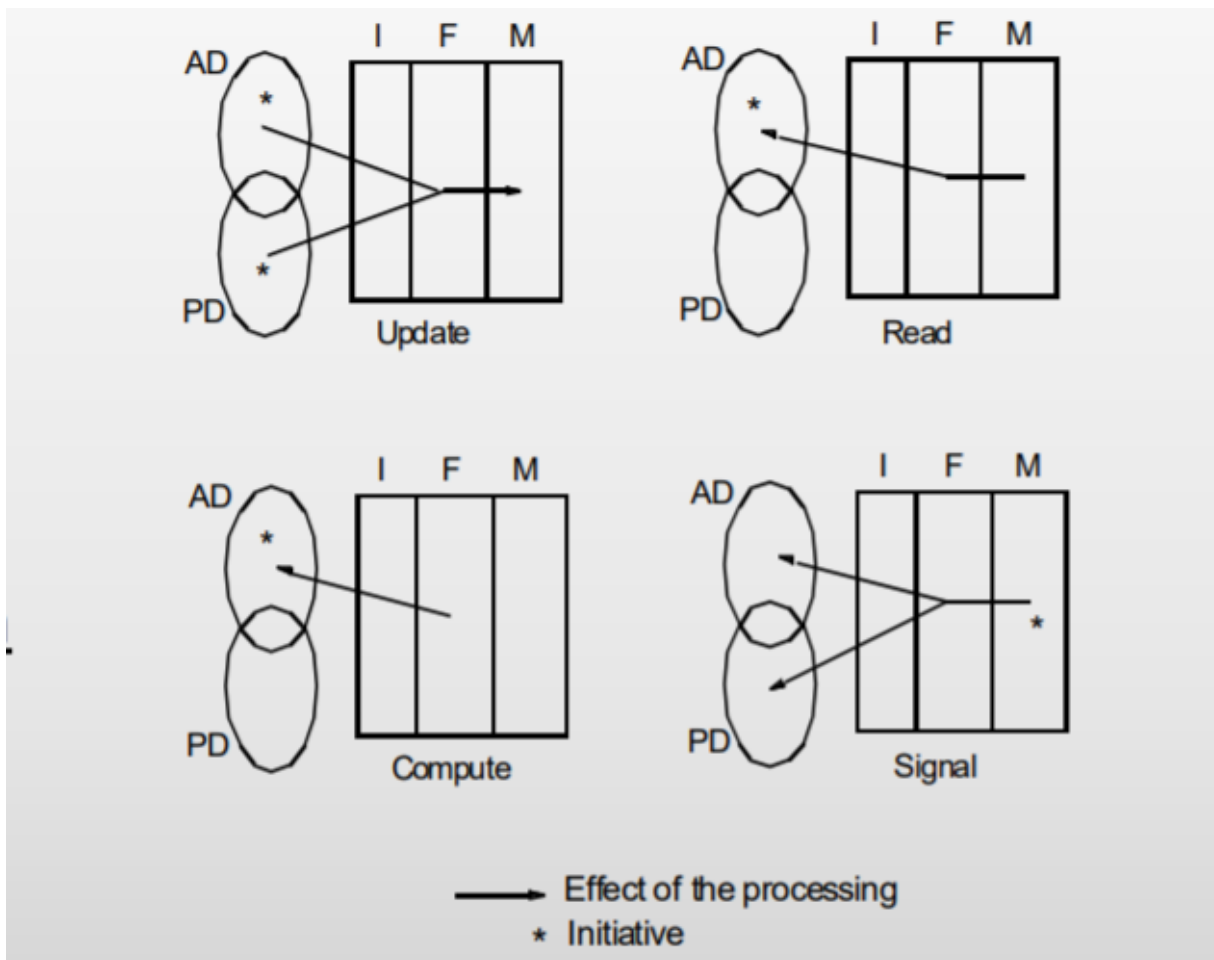

Planning		
Make schedule	Very complex	Update
Calculate schedule consequences	Complex	Signal
Find working hours from previous period	Medium	Read
Enter contents into schedule	Complex	Update
Erase schedule	Simple	Update
Query earlier schedules	Medium	Read
Make appointment	Medium	Update
Cancellation	Simple	Update
Query possible appointments	Complex	Read
Register treatment	Simple	Update
Create customer	Simple	Update
Query customer information	Medium	Read
Employment	Simple	Update
Retirement	Simple	Update
Update apprentice information	Simple	Update

```
Query possible reservations:
    given time or date or employee-name
    search objects in time period-available and select those
    who     belong to employee-name, if known
            have date, if known
            cover point in time, if known
    result objects of time period-available that fulfill the criteria
```

A facility for making a model useful for actors:

- A resource for actors
- Uses the model component in order to support use cases

- **Update**: the secretary want to assign a student to a group, so the model is updated. Or the temperature in a greenhouse changes and the model is updated.
- **Read**: Secretary: I would like a list of students. So she reads the information in the model and gets a list of students.
- **Compute**: Two numbers to be added: a function calculates it and provides the result on the screen. (The model is not accessed).
- **Signal**: Trains entering trains lanes : the model will constantly be updated. So when one train enters another trains track the model will send a signal. Common in control systems.