Prog3

https://samenvattingen.inter-actief.utwente.nl/index.php/Concurrent_Programming

https://www.uio.no/studier/emner/matnat/ifi/INF4140/h15/slides/lectures-allslides-handout.pdf

https://www2.cs.arizona.edu/~greg/mpdbook/glossary.html

DINING PHILOSOPHERS SOLUTION

```
% ASYMETRIC SOLUTION
% For T1,T2,T3,T4
P(s(i));
  P(s(i+1));
    <eat>
  V(s(i+1));
P(s(i));
% For T5
P(s(1));    % s(1) is like fork[0]
  P(s(5));
    <eat>
  V(s(5));
V(s(1));
```

```
sem fork[5] = ([5] 0);
process Philosopher[i =0 to 3] {
  while(true) {
    P(fork[i]); P(fork[i+1]);
    eat;
    V(fork[i]); V(fork[i+1]);
    think;
  }
}

process Philosopher[4] {
  while(true) {
    P(fork[0]); P(fork[4]);
    eat;
    V(fork[0]); V(fork[4]);
    think;
  }
}
```