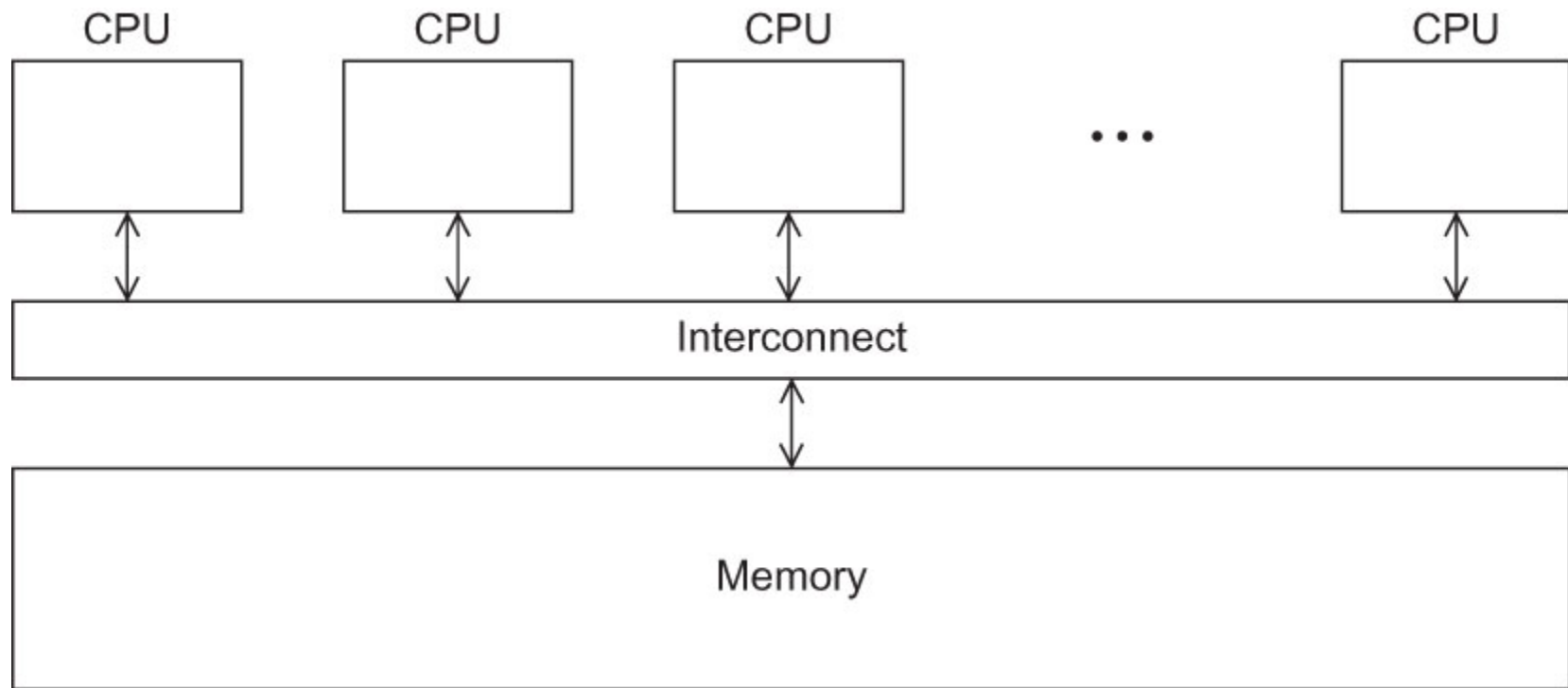
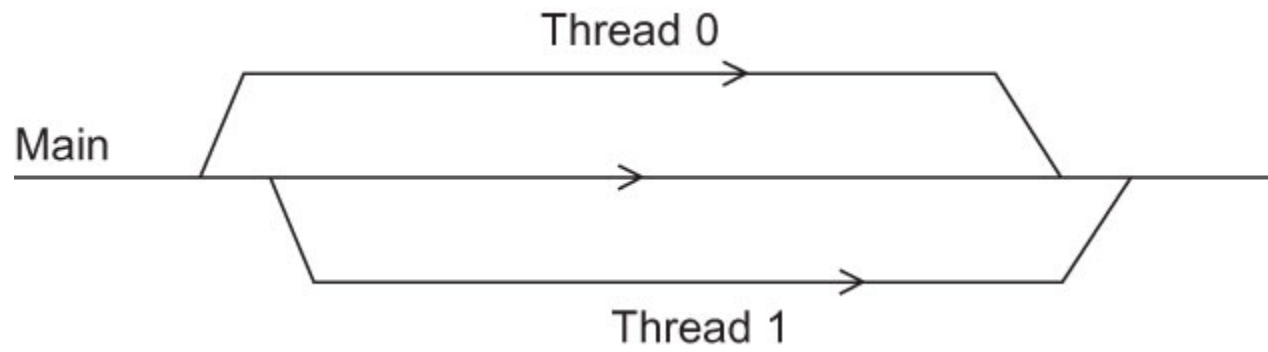


# Chapter 4

Peter Pacheco



**Fig 4.1**



**Fig 4.2**

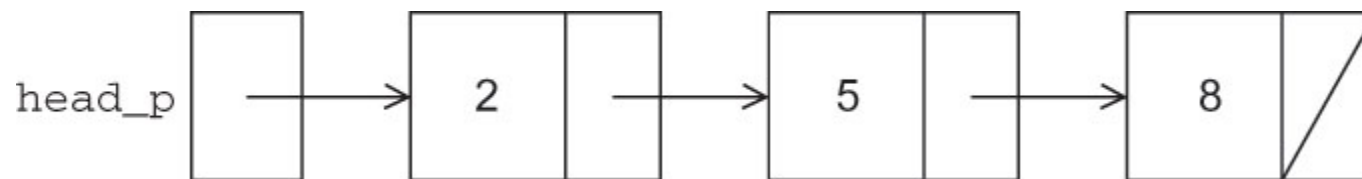
|             |             |          |               |
|-------------|-------------|----------|---------------|
| $a_{00}$    | $a_{01}$    | $\cdots$ | $a_{0,n-1}$   |
| $a_{10}$    | $a_{11}$    | $\cdots$ | $a_{1,n-1}$   |
| $\vdots$    | $\vdots$    |          | $\vdots$      |
| $a_{i0}$    | $a_{i1}$    | $\cdots$ | $a_{i,n-1}$   |
| $\vdots$    | $\vdots$    |          | $\vdots$      |
| $a_{m-1,0}$ | $a_{m-1,1}$ | $\cdots$ | $a_{m-1,n-1}$ |

|           |
|-----------|
| $x_0$     |
| $x_1$     |
| $\vdots$  |
| $x_{n-1}$ |

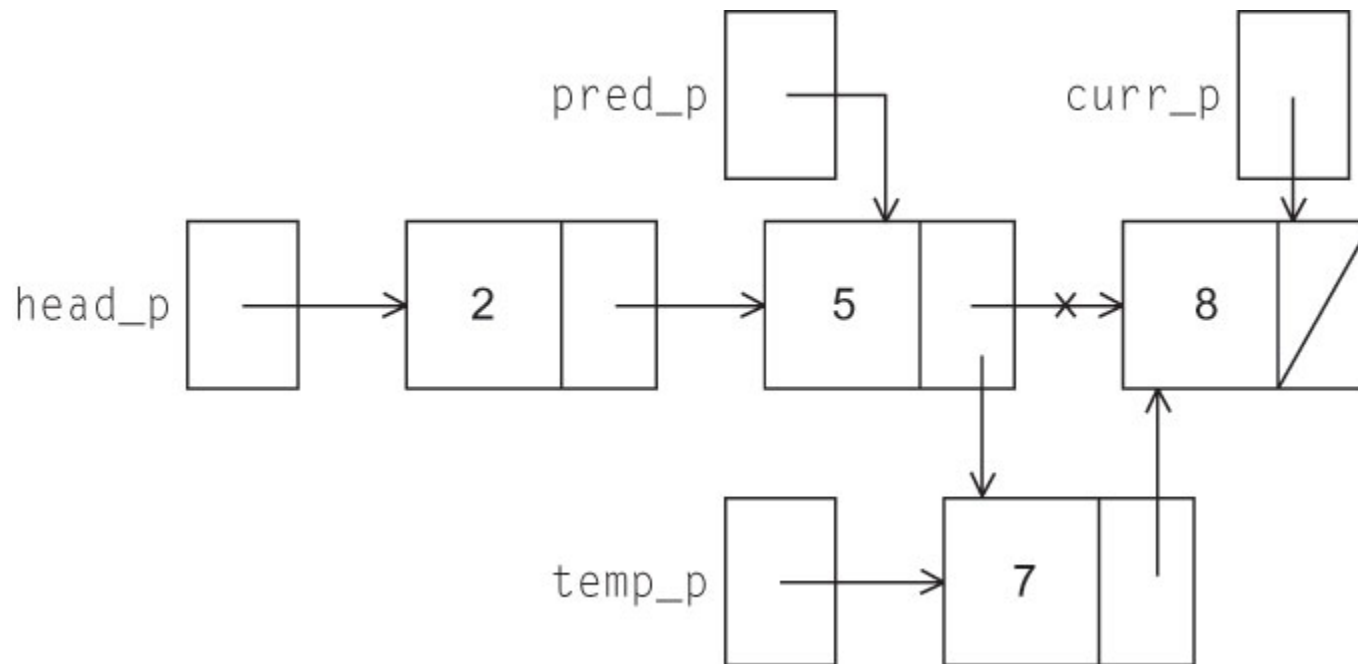
 $=$ 

|   |
|---|
| $y_0$   |
| $y_1$   |
| $\vdots$  |
| $y_i = a_{i0}x_0 + a_{i1}x_1 + \cdots a_{i,n-1}x_{n-1}$ |
| $\vdots$  |
| $y_{m-1}$   |

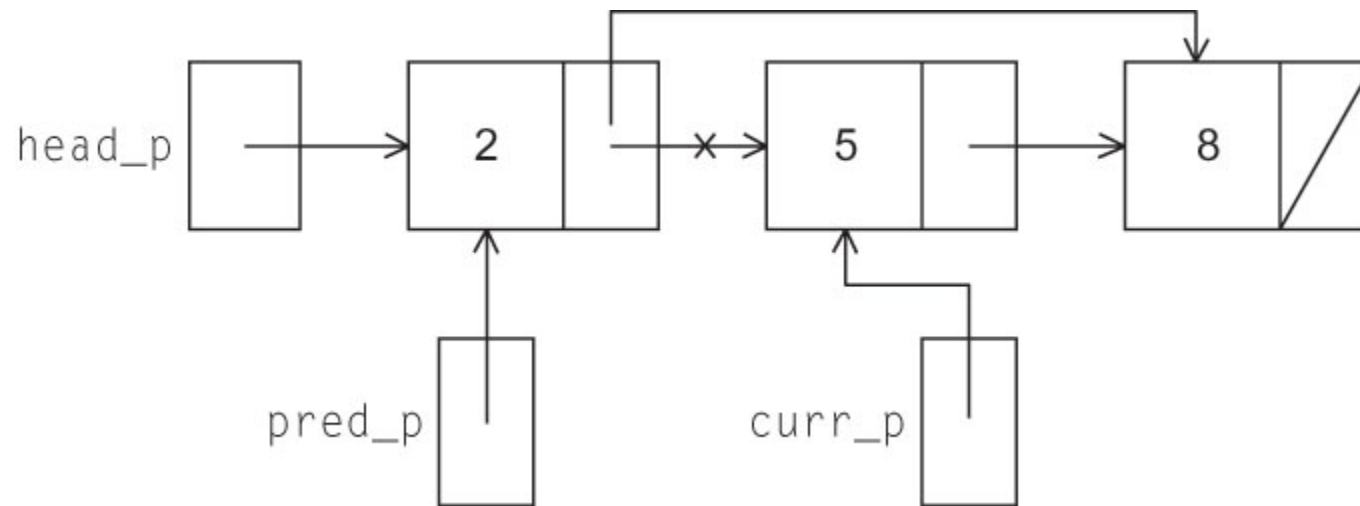
**Fig 4.3**



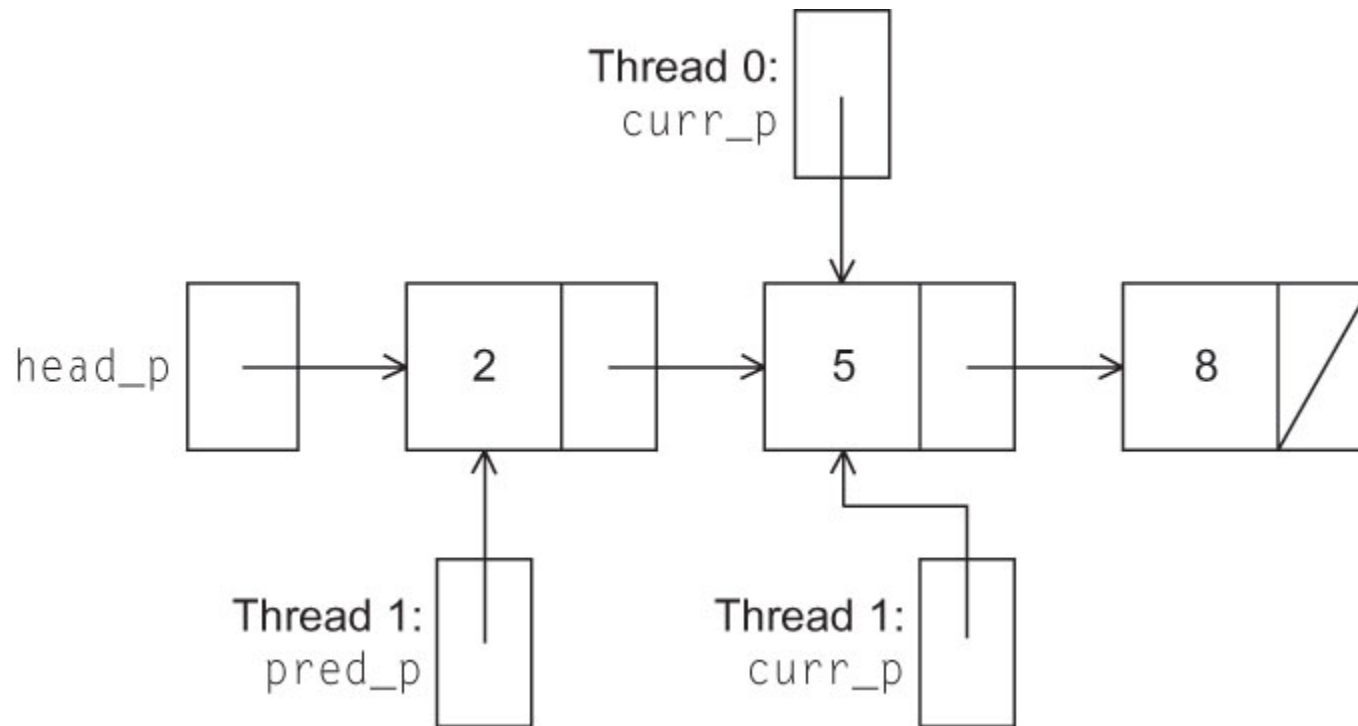
**Fig 4.4**



**Fig 4.5**



**Fig 4.6**



**Fig 4.7**