

Lecture #4: Modelling Computation of Functions III

What Will Happen During the Lecture

Remember... You Had Homework!

Students were asked to have worked through a set of notes before this first lecture:

- Lecture Notes — “Modelling Computation of Functions III”

Of course, you may attend the lecture presentation if you have not worked through this material ahead of time — but it will not be repeated for you during the lecture presentation.

Solving a Problem

During the lecture a macro $\mathcal{P}_{W \leftarrow X \times Y}$ — which uses some of the pseudo-instructions introduced in the lecture notes — will be developed. This will correspond to a new pseudo-instruction for multiplication,

$$W \leftarrow X \times Y$$

If time permits, a proof of the correctness of this macro will also be sketched.

An incomplete set of notes is available. If you would like to get ahead then you can try to fill in these notes (solving some or all of the problem to be considered) before the lecture presentation.