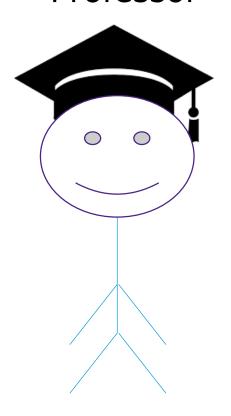
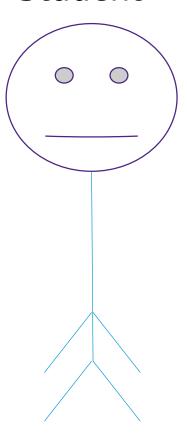


Professor



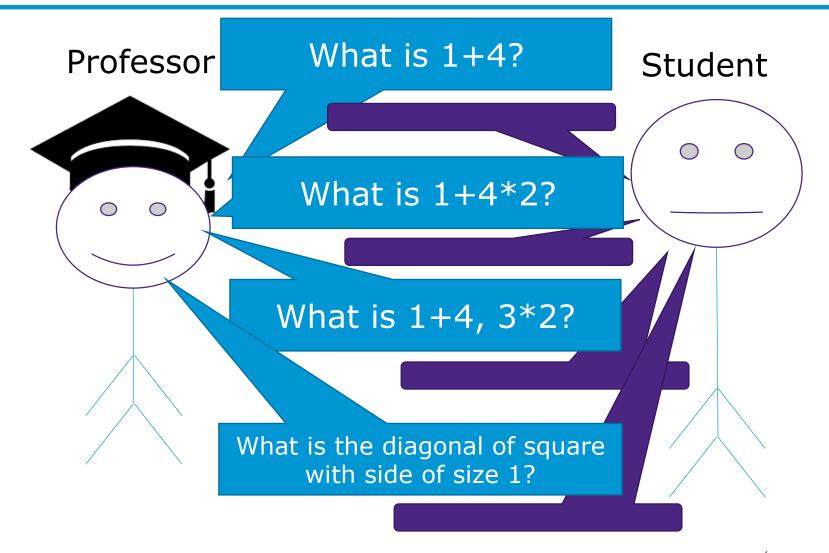
Student





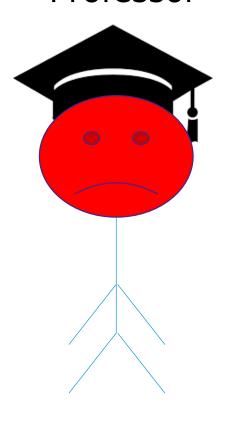




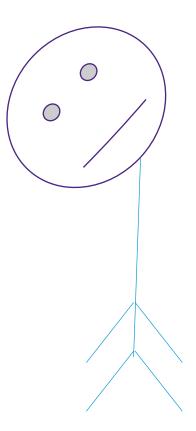




Professor



Student



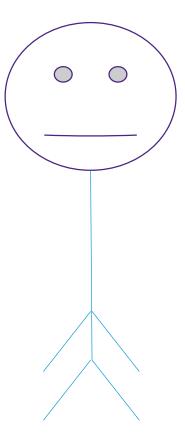




Let's fix the student!



Student

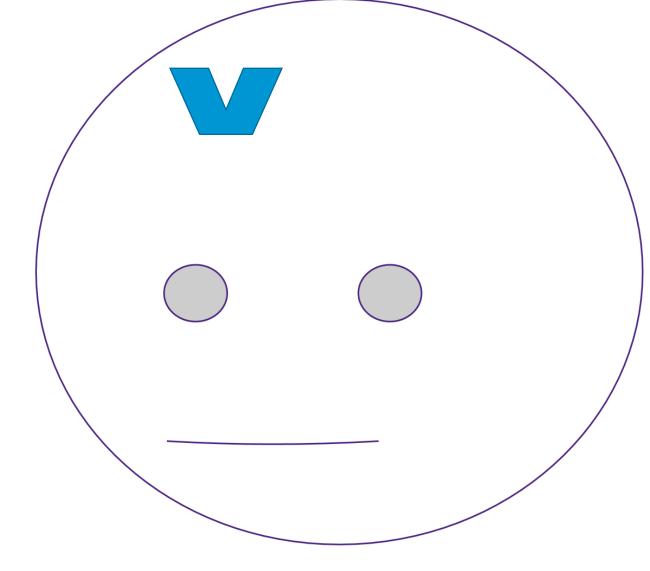






Arithmetic logic unit (ALU)



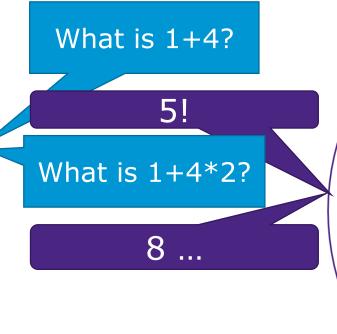


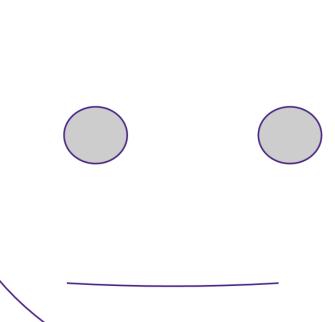




Arithmetic logic unit (ALU)





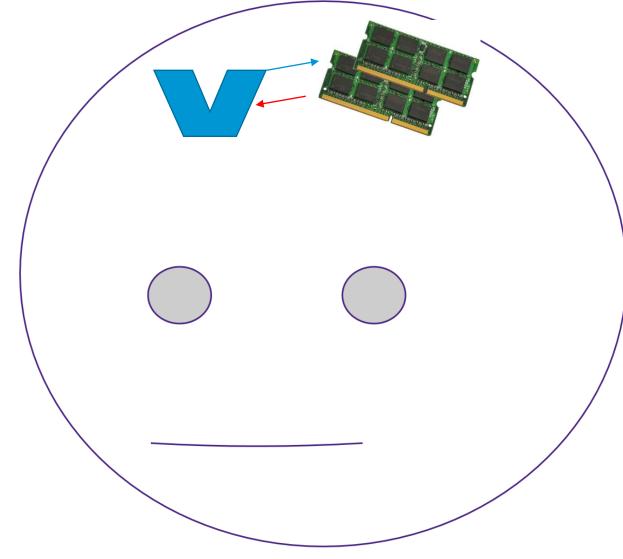






Arithmetic logic unit (ALU) + RAM



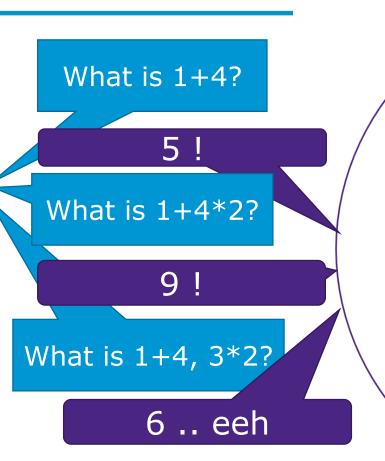


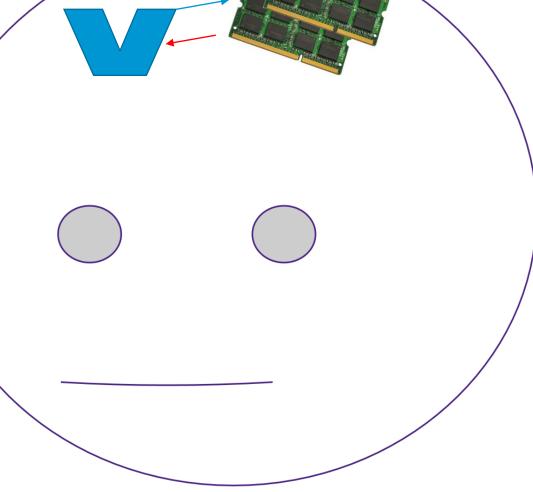




Arithmetic logic unit (ALU) + RAM



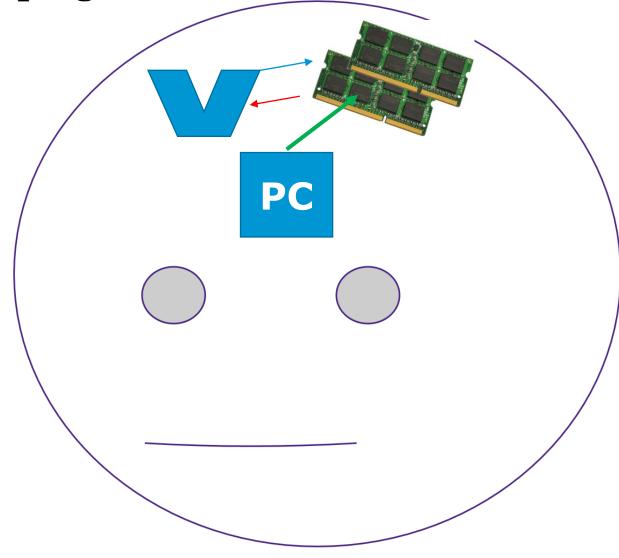






ALU + RAM + PC (program counter)









ALU + RAM + PC (program counter)



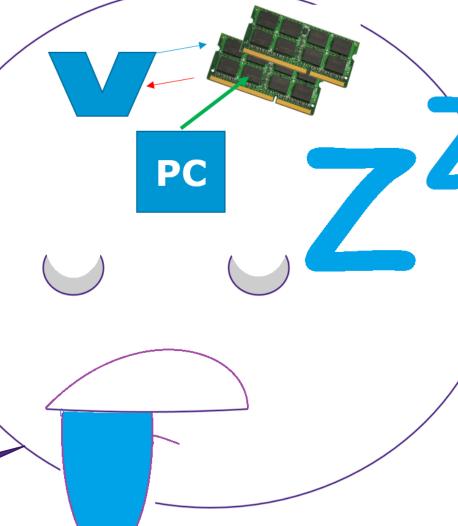
What is 1+4, 3*2?

5 and 6!

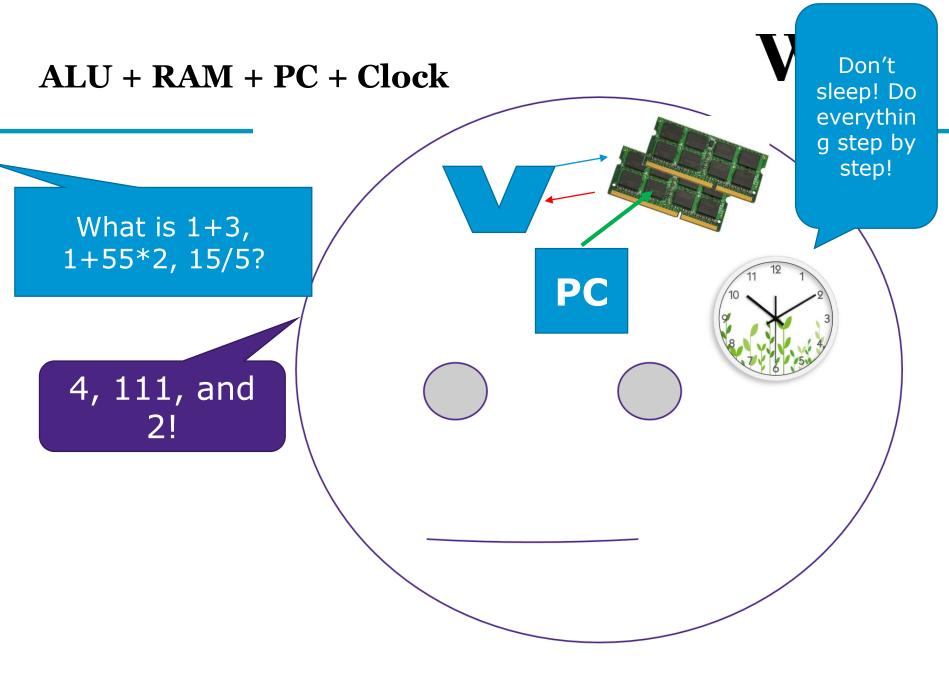
What is 1+3, 1+55*2, 15/5?

4, 111, and ...

.. ZZzzzZ









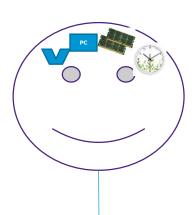




But the student still knows only how to add numbers...

What about Pythagorean theorem, derivatives?

Student

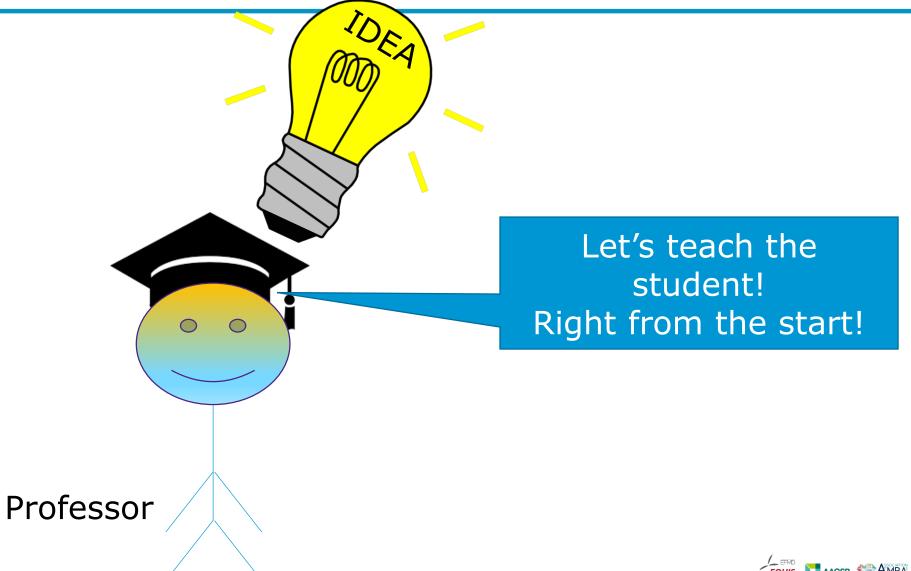














Elementary school Assembler









Elementary school Assembler

High school Low level languages





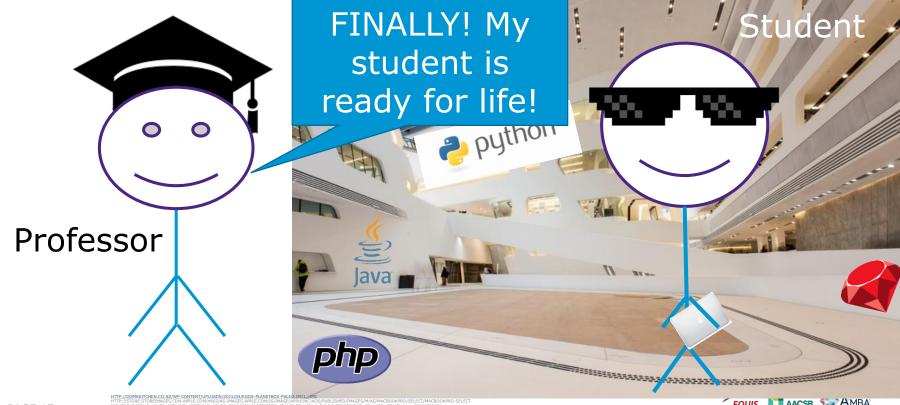




Elementary school Assembler

High school Low level languages

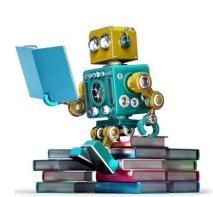
University High Level Languages



WIEN VIENNA UNIVERSITY OF

		_
Elementary school	Assembler	
High school	Low level languages	
University student	High Level Languages	
PhD	Machine learning	

I am doing something useful













Student

PhD



High school

Elementary school



I am doing

something useful

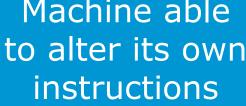
Assembler

Low level languages

University student High Level Languages

Machine learning **PhD**

> Machine able to alter its own instructions

















Autonomous cars



<u>Video</u>







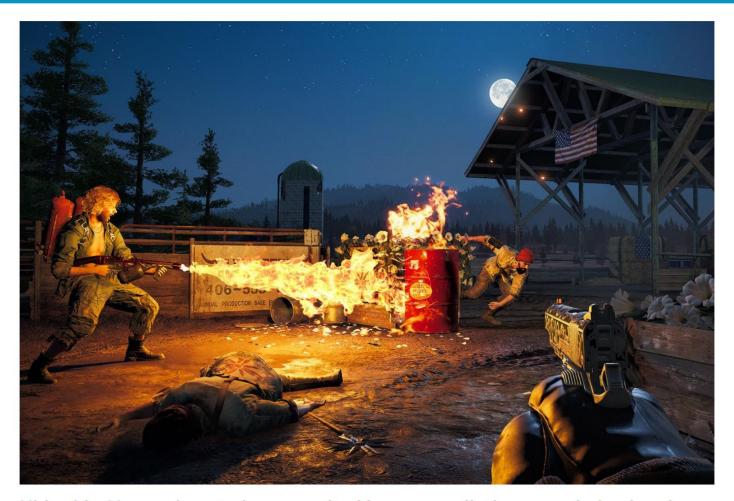
Image processing





Bug fixing in applications





Ubisoft's AI experiments have resulted in more realistic enemy behaviour in Far Cry 5

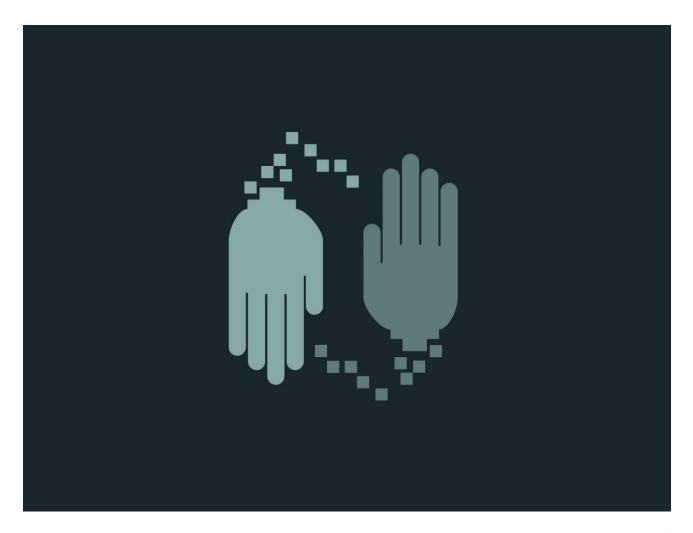






Software learns to write software



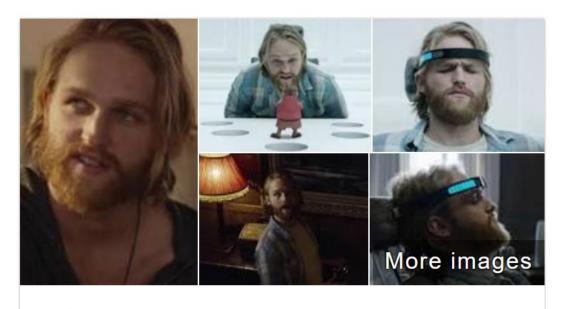






Machine learning





Playtest



Black Mirror episode

While in Britain, a thrill-seeking globetrotter tests a video game that is terrifyingly advanced.



