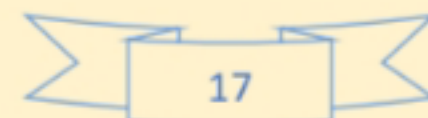
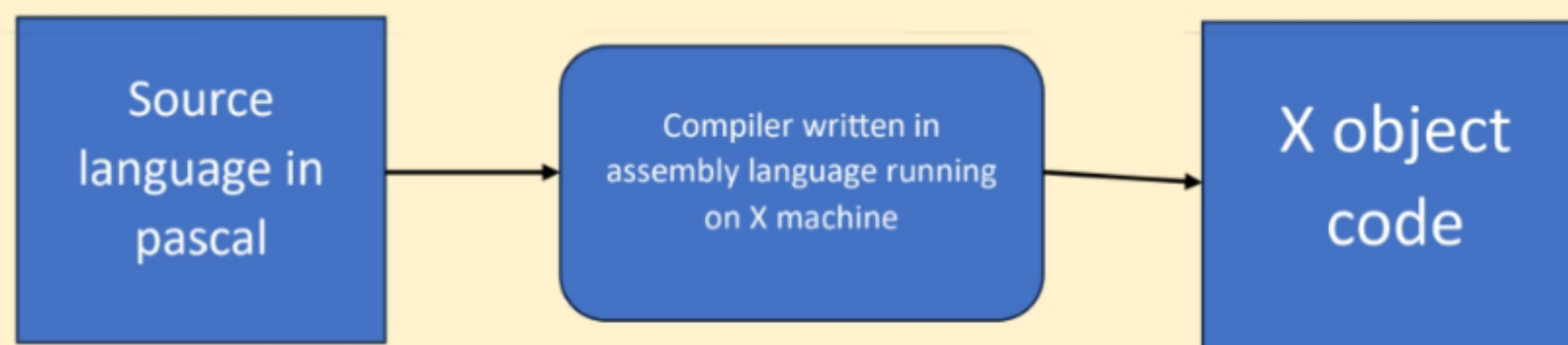


**Cross compiler.**

Across compiler is an compiler which runs on one machine and generates a code for another machine. The only difference between a cross compiler and a normal compiler is in term of core generated by it.

For example, consider the problem of implementing a Pascal compiler on a new pieces of hardware (a computer called X). On which assembly language is the Only programming language already available. Under this. Circumstance. The approach is to write the Pascal compiler in assembler Hence the compiler in this case is a program that takes Pascal's source as input produce machine code for the target machine as output and is written in the assembly language of the target machine.

**[LINUX OPERATING SYSTEM]**

My passcode source is translated by a program written in X Assembly language (the compiler) running on Machine X into X's object code.

T diagram for the complier

PASCAL

X object code

X Assembly

The longest accepted as input by the compiler is stated on the left. The language output by the compiler is shown at the



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