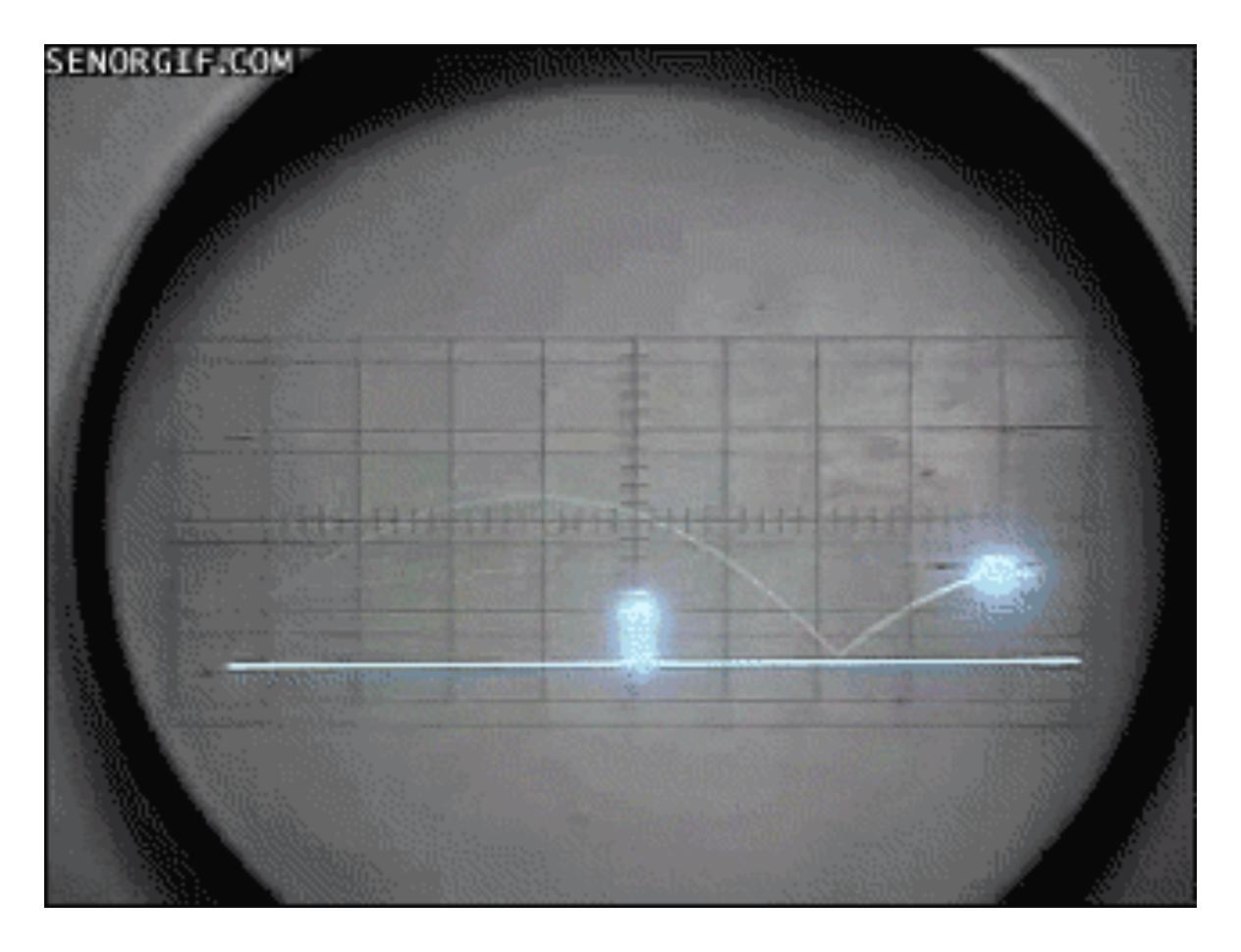
Ray-casting and the First 3D Games

Computer Graphics

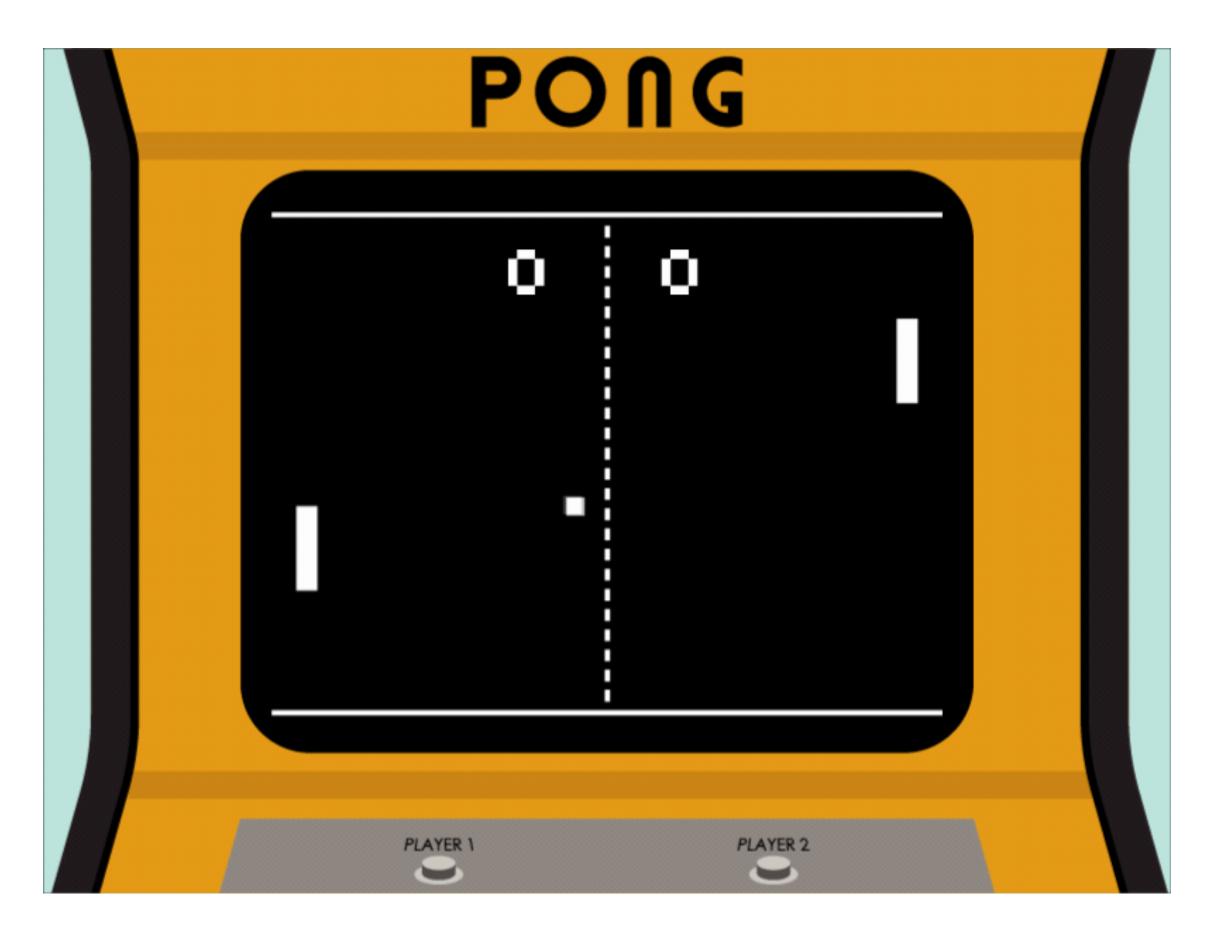
A Brief History Video Games

The first video game



Tennis for Two - 1958

Early arcade days





Pong - 1972

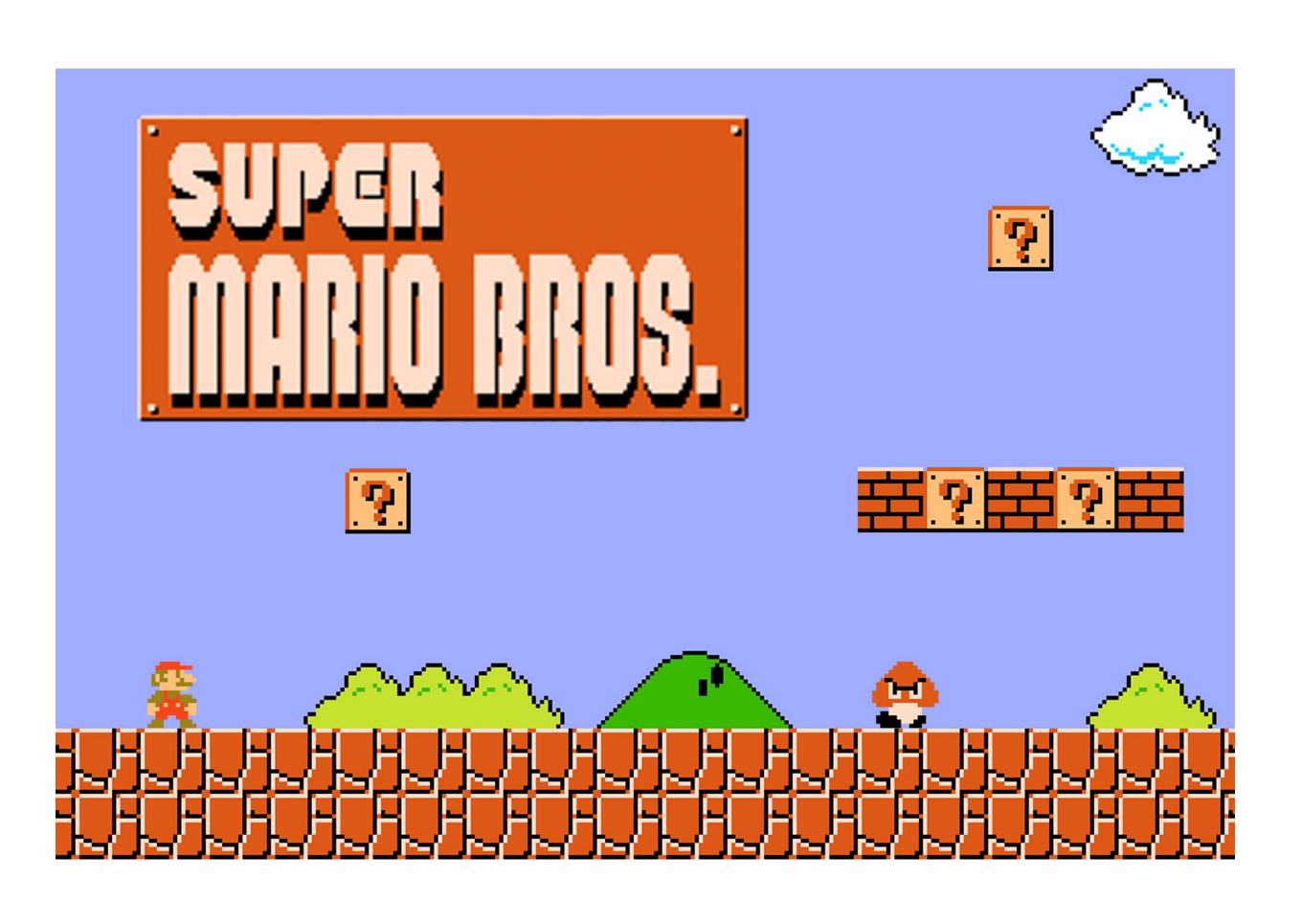
Pong - 1978

The rise of home consoles





NES games





Birth of hand-held and computer games





Nintendo GameBoy - 1985

We've seen a lot of games But they all had one thing in common: 2D

Entering the 3rd Dimension

First generation of 3d games



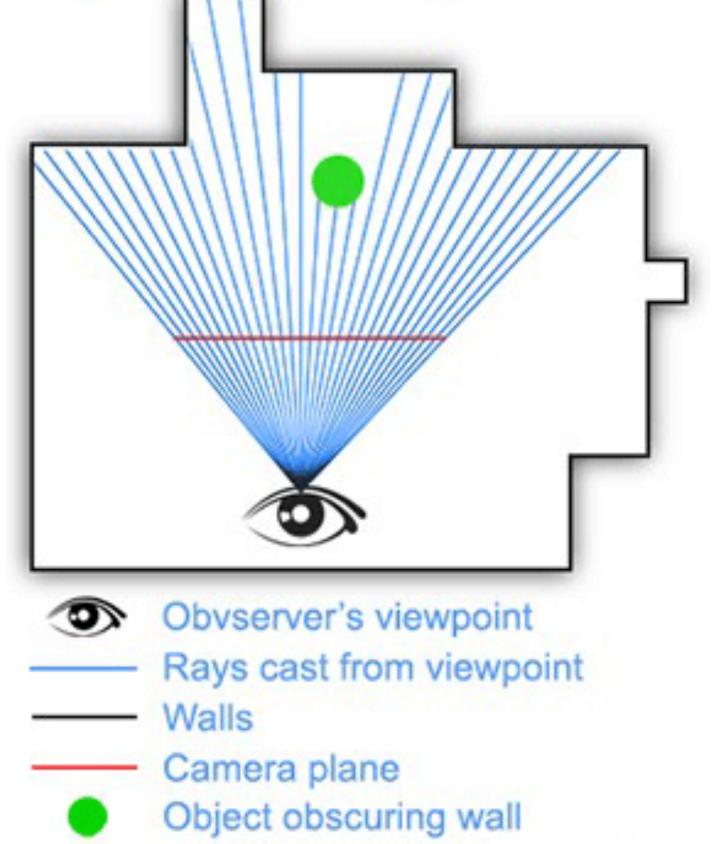


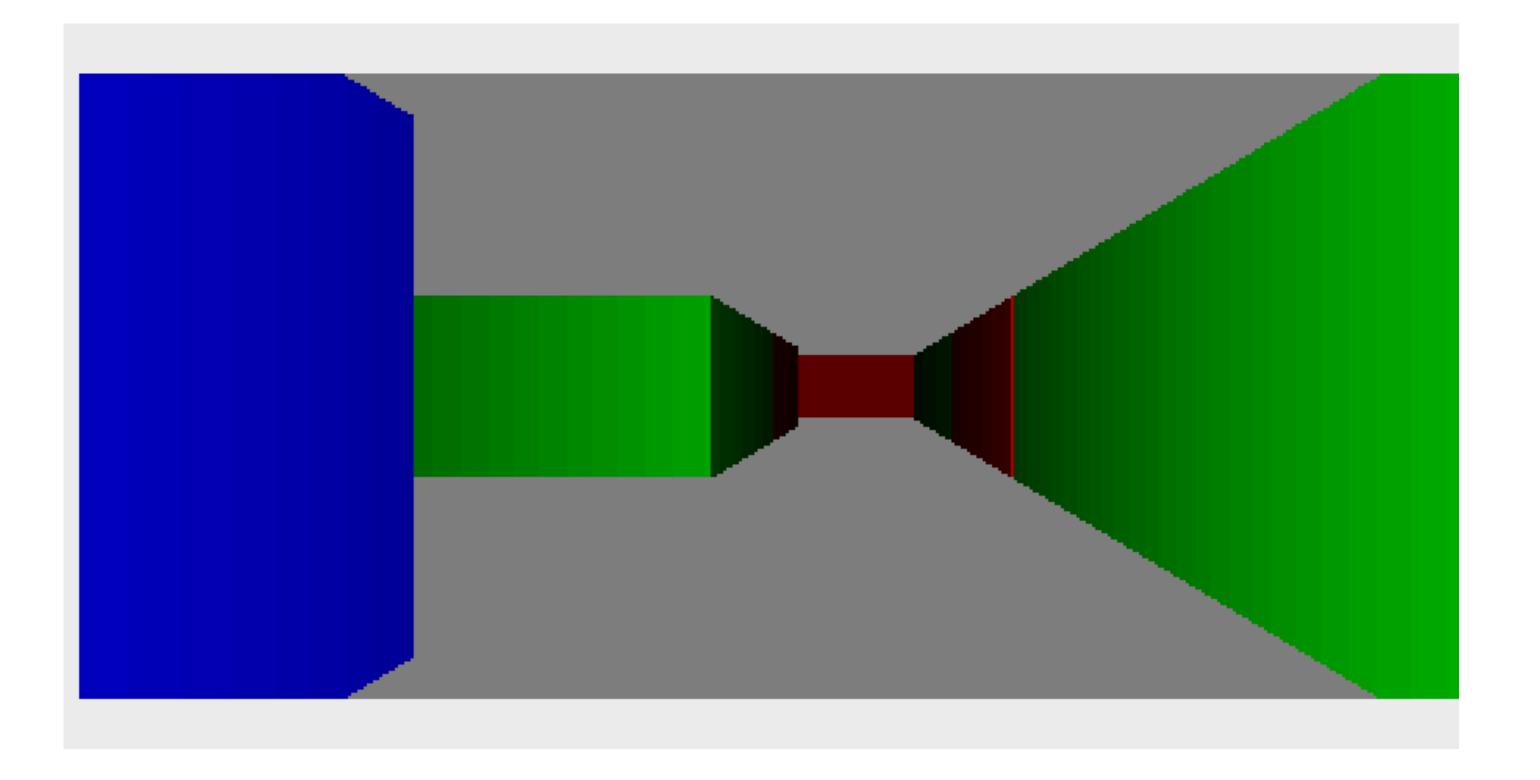
How did these games run on primitive hardware?

Ray-casting

As simple 3d graphics technique

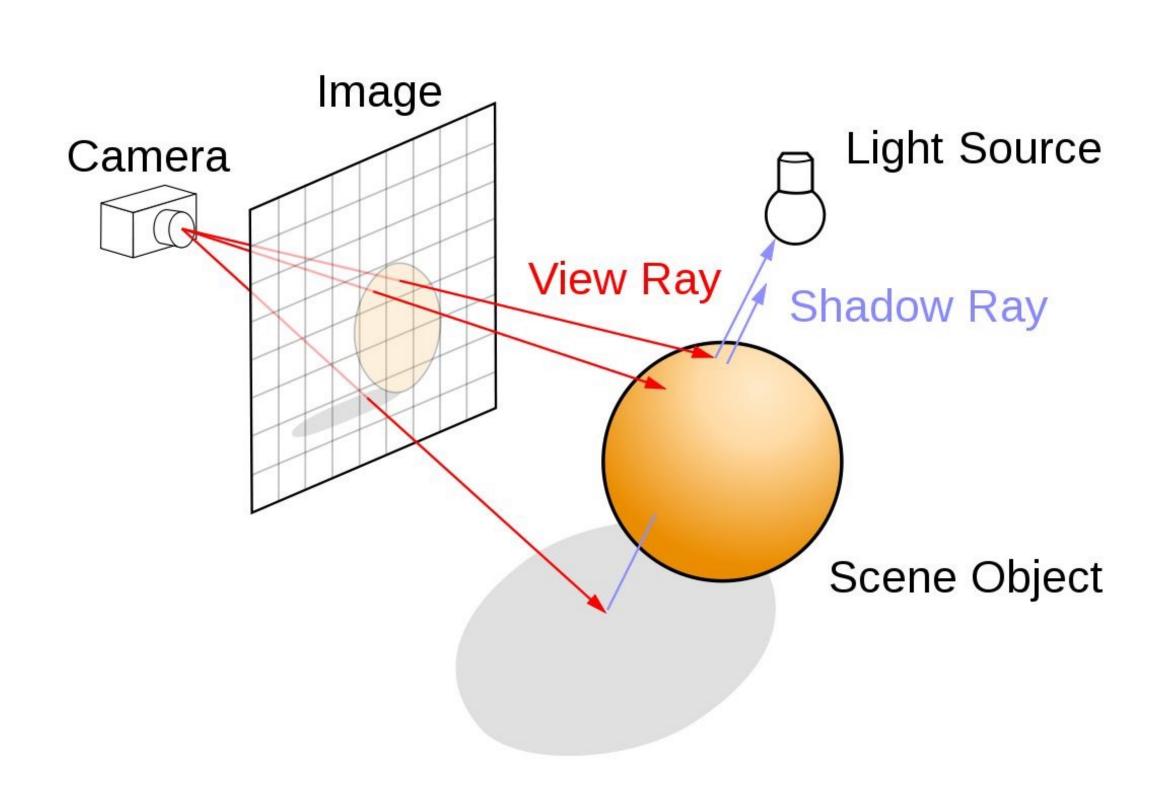
Ray casting: example scenario

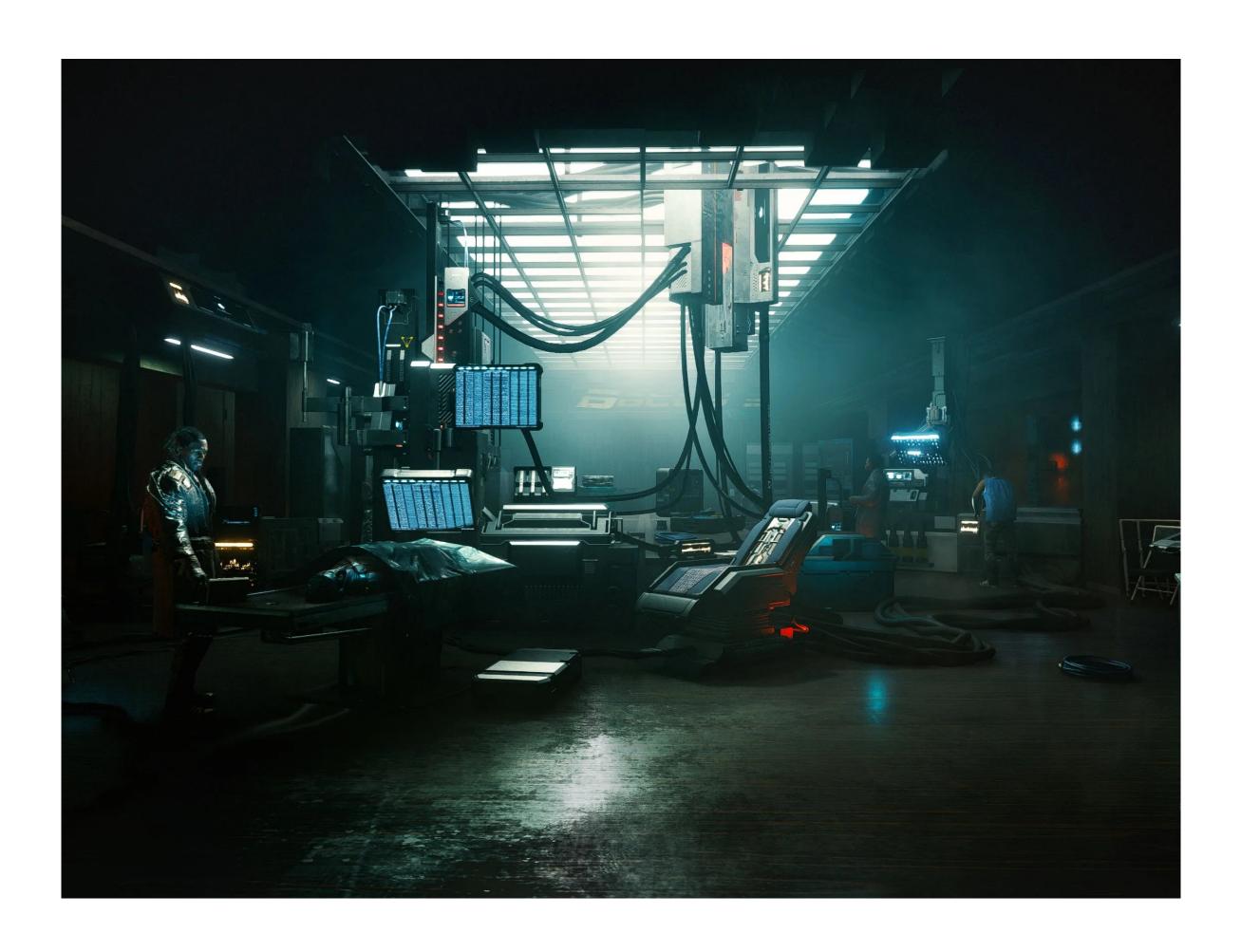




Ray-tracing

A modern evolution of ray-casting





The End Thanks for your attention