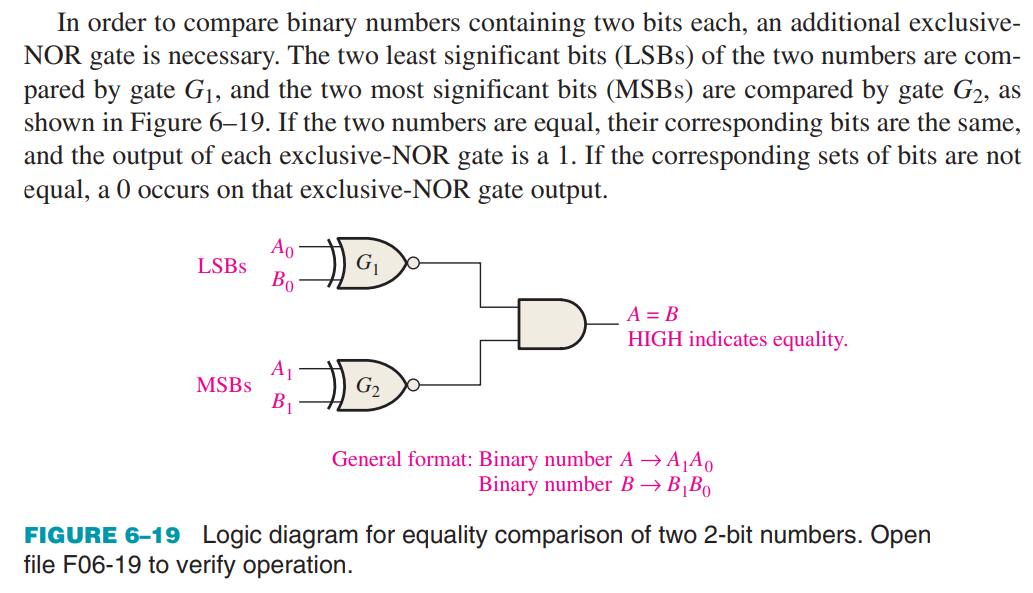


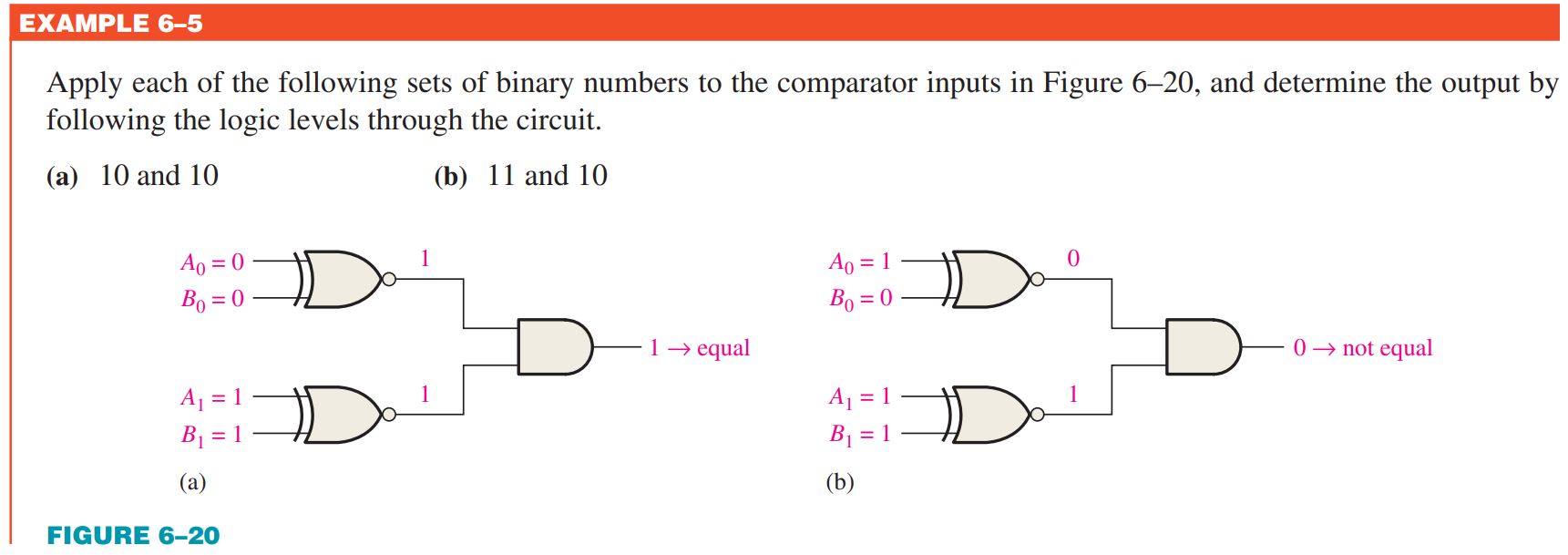
A screenshot of a computer

Description automatically generated



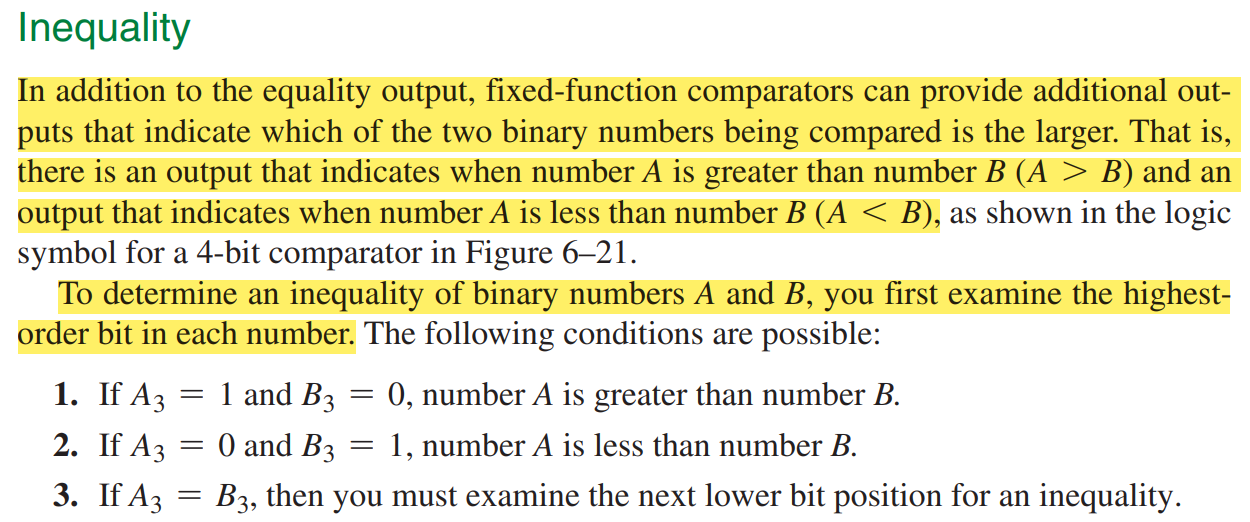
A close up of a text

Description automatically generated



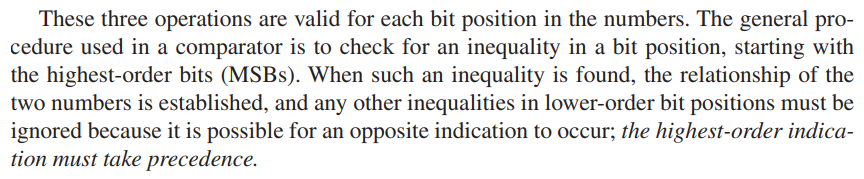
A white background with black text

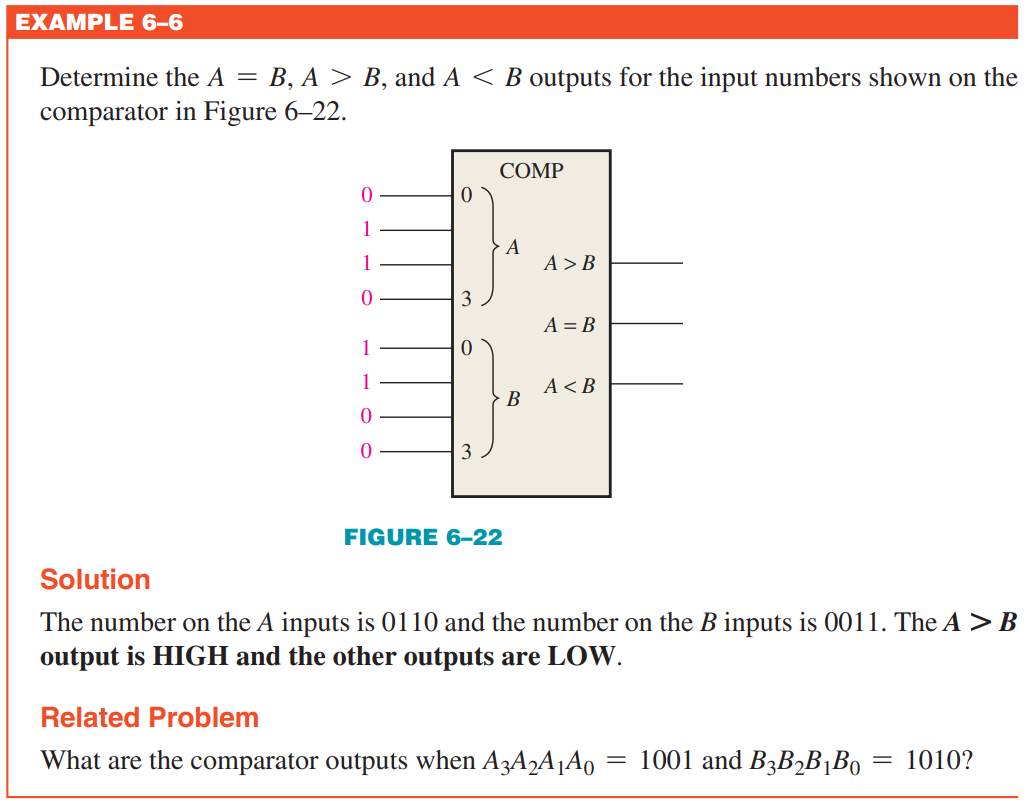
Description automatically generated



A comparator applied to compare two binary numbers with each of four bits is termed a 4-bit magnitude comparator. It consists of 8 inputs each for two four-bit numbers and three outputs to generate less than (<), equal to (=) and greater than(>) between two binary numbers.A diagram of a mathematical equation

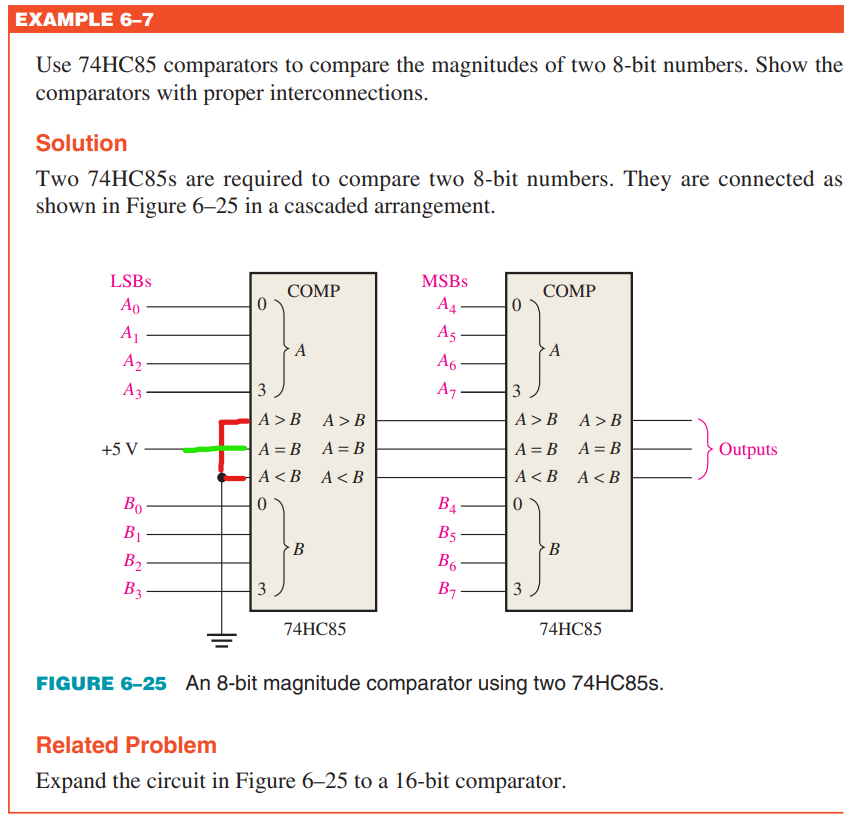
Description automatically generated

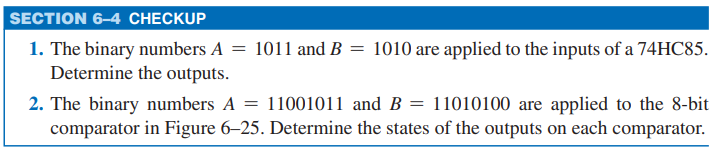


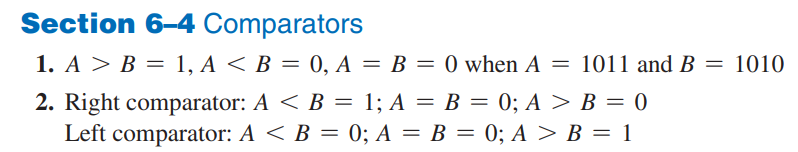


A diagram of a machine

Description automatically generated4-bit comparator







Left Comparator = LSBs

Right Comparator = MSBs