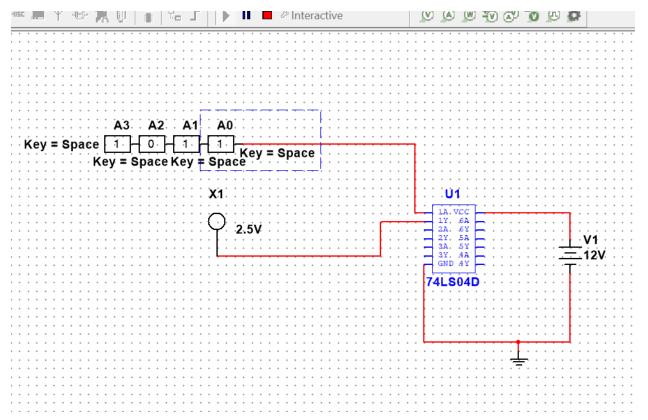
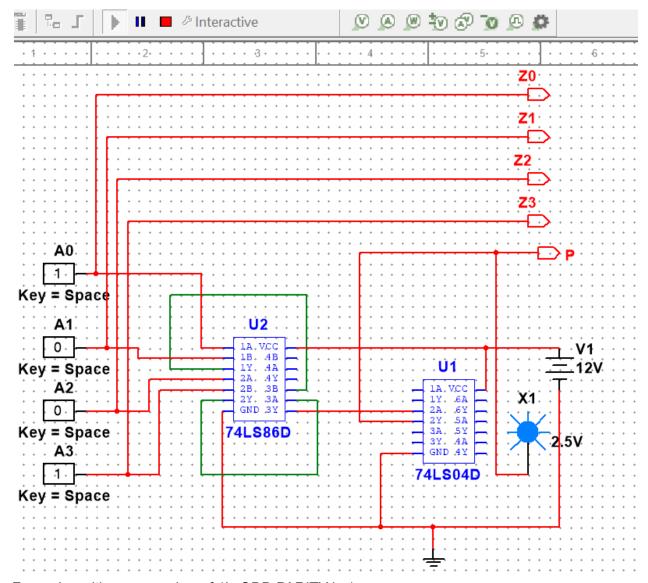


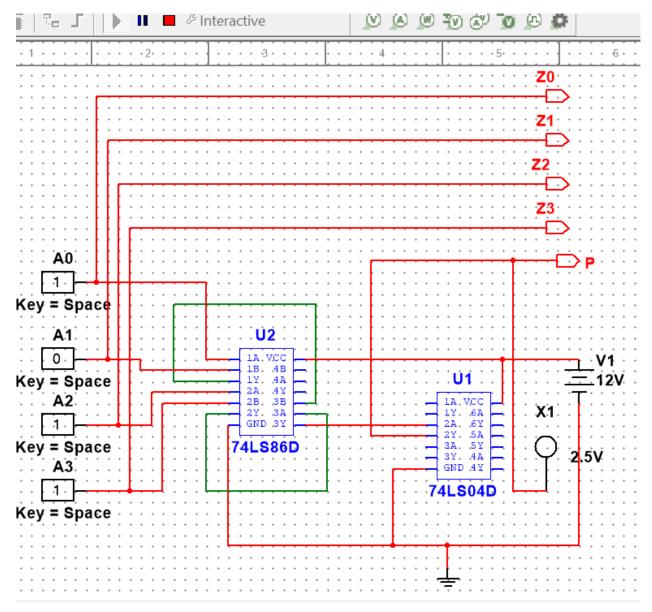
Bulb glows when the given number is even



Bulb doesn't glow for ODD numbers



For codes with even number of 1's ODD PARITY is 1



For codes with odd number of 1's ODD PARITY is 0