```
                          ┌─────────────────────────────────┐
                          │           Component             │
                          ├─────────────────────────────────┤
                          │                                 │
                          ├─────────────────────────────────┤
                          │ + virtual void update()=0       │
                          │ + virtual void write            │
                          │   (Wire *base_address,          │
                          │    std::ostream &os=std         │
                          │    ::cout)=0                     │
                          └─────────────────────────────────┘
```

Component

+ virtual void update()=0
+ virtual void write (Wire *base_address, std::ostream &os=std ::cout)=0

AND

+ AND(Wire *inpA, Wire *inpB, Wire *out)
+ void update()
+ void write(Wire *base _address, std::ostream &os=std::cout)
+ static const char * get_name()

INP

+ INP(Wire *out, int signal)
+ void update()
+ void write(Wire *base _address, std::ostream &os=std::cout)
+ static const char * get_name()

NOT

+ NOT(Wire *inpA, Wire *out)
+ void update()
+ void write(Wire *base _address, std::ostream &os=std::cout)
+ static const char * get_name()

OR

+ OR(Wire *inpA, Wire *inpB, Wire *out)
+ void update()
+ void write(Wire *base _address, std::ostream &os=std::cout)
+ static const char * get_name()

PRINT

+ PRINT(Wire *inpA, const char *label="unnamed _output", std::ostream &os =std::cout)
+ void update()
+ void write(Wire *base _address, std::ostream &os=std::cout)
+ static const char * get_name()

STD_INP

+ STD_INP(Wire *out, const char *label="Nem elnevezett bemenet")
+ void update()
+ void write(Wire *base _address, std::ostream &os=std::cout)
+ static const char * get_name()

XOR

+ XOR(Wire *inpA, Wire *inpB, Wire *out)
+ void update()
+ void write(Wire *base _address, std::ostream &os=std::cout)
+ static const char * get_name()