

```

    bool operator == (ModularInteger const &x) {
        return (bool)(val == x.val);
    }
    bool operator != (ModularInteger const &x) {
        return (bool)(val != x.val);
    }
};

istream & operator >> (istream &in, ModularInteger &x) {
    in >> x.val;
    return in;
}

ostream & operator << (ostream &out, ModularInteger const &x) {
    out << x.val;
    return out;
}

using Mint = ModularInteger;

```

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**Figure 1: Tipo de dato sobre enteros modulados**