

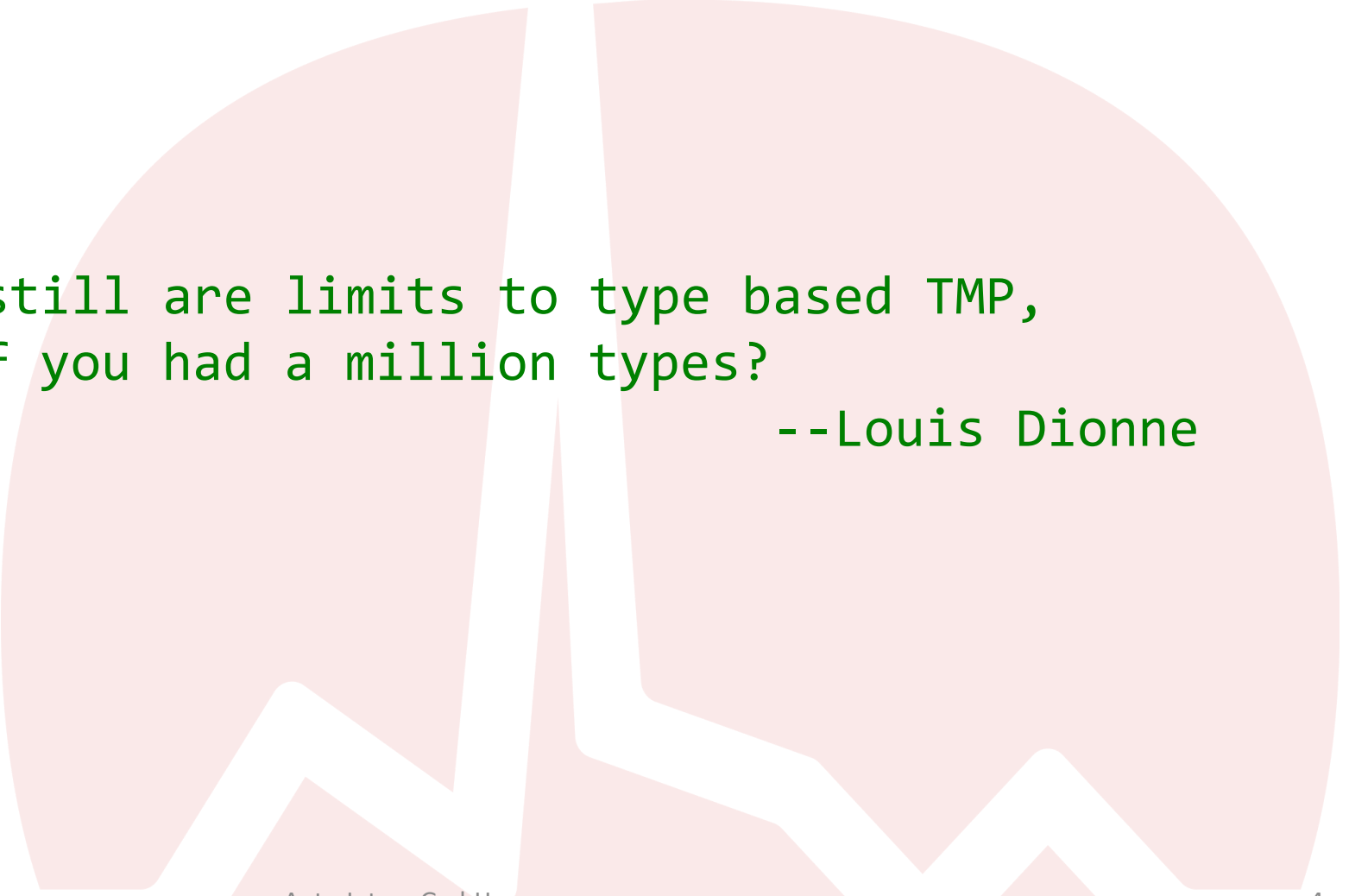
# Where are the new limits of TMP?

**Optimized for WTFPM**

```
template<typename F, typename C>
struct transform {
    template<typename...Ts>
    using f = call<C, typename F::template f<Ts>...>;
};
```

```
template<typename C>
struct join {
    template<typename...Ts>
    using f = join_impl<C, Ts...>;
};
```

```
template<typename...Ts>  
using result = call<  
    flatten<  
        filter< predicate,  
            sort< less,  
                remove_adjacent< is_same,  
                    fold_left<predicate>>>>>,  
                Ts...>;
```



```
// There still are limits to type based TMP,  
// what if you had a million types?  
//                                     --Louis Dionne
```