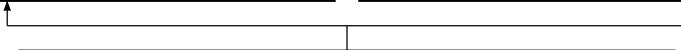


templa::internal::type_list< Initial, Ts... >

templa::internal::type_list< Inits..., Elem >

templa::type_list_append< Initial< Inits... >, Elem >



```
graph BT; A[templa::type_list_append< Initial< Inits... >, Elem >] --> B[templa::internal::type_list< Initial, Ts... >]; A --> C[templa::internal::type_list< Inits..., Elem >];
```

The diagram illustrates the inheritance of the `type_list` type from the `type_list_append` function. A central box at the bottom, `templa::type_list_append< Initial< Inits... >, Elem >`, has two arrows pointing upwards to the boxes above it. The left arrow points to `templa::internal::type_list< Initial, Ts... >`, and the right arrow points to `templa::internal::type_list< Inits..., Elem >`. This indicates that both internal `type_list` types inherit from the `type_list_append` function.