```
namespace paql
    namespace container
        class ElementContainer :
        public std::list< boost::reference_wrapper<paql::element::Element> >,
        public virtual boost::fusion::map
            boost::fusion::pair
                MetaKey < boost::fusion::vector < T00, ..., T0n>, 0>,
                std::map
                    boost::fusion::vector<T00, ..., T0n>,
                    boost::reference_wrapper<paql::element::Element>,
                    paql::FusionVectorComparator
                        boost::fusion::vector<T00, ..., T0n>
                >
            >,
               One boost::fusion::map entry per key
            public:
            template < int keyIndex> paq1::element::Element& get
            (T00 a0, ..., T0n an)
                boost::fusion::vector<int>key(a0, ..., an);
                     (boost::unwrap_reference<paql::element::Student>::type&)
                     (
                             (
                                 boost::fusion::at key
                                     MetaKey<boost::fusion::vector<int>, 0>
                                 > (*this)
                             ).find(key)
                         )->second
                    );
            }
            // one get method per key
            bool insert(paql::element::Element& elem)
                boost::reference wrapper<paql::element::Element> reference =
                    boost::ref<paql::element::Element>(elem);
                {
                    boost::fusion::vector<int> key(elem.var00, ..., elem.var0n)
                    if
                     (
                             boost::fusion::at_key
                                 MetaKey
                                     boost::fusion::vector<T00, ..., T0n>, 0>
                                 > (*this)
                         ).count(key)
                      return false;
                    )
                         boost::fusion::at_key
                             MetaKey<boost::fusion::vector<T00, ..., T0n>, 0>
                         > (*this)
                    ).insert
                         std::map
                             boost::fusion::vector<T00, ..., T0n>,
                             boost::reference_wrapper<paq1::element::Element>,
```

```
FusionVectorComparator
                             boost::fusion::vector<T00, ..., T0n>
                         >
                     >::value_type(key, elementToInsert)
                 );
             }
             // one insertion scope per key
             this->push_back(boost::ref(element));
             return true;
         void remove(paql::element::Student& element)
             {
                 boost::fusion::vector<int> key(element.code);
                     boost::fusion::at_key
                         MetaKey<boost::fusion::vector<int>, 0>
                     > (*this)
                 ).erase(key);
             }
             // one remove scope per key
             this->remove_if
                 ContentComparator<paq1::element::Student>
                     boost::ref(element)
                 )
            );
};
```