Core issue 968: Disambiguating [[

Notes

In Santa Cruz we decided that the sequence "[[" should follow a max-munch principle and always be interpreted as the beginning of attributes. I don't think we discussed whether that meant:

- (a) having "[[" always start an attribute-specifier in any context, or
- (b) having "[[" in contexts that allow an attribute-specifier.

I decided to go with the former option, because we may want to allow attributes in more contexts in the future (e.g., in new-type-ids, as in the example of the proposed wording), and the only alternative—subscript expressions starting with a lambda-expression—are unlikely and can be parenthesized to avoid the conundrum.

The changes are against N3000.

Wording Changes

In 8.2 [dcl.ambig.res] append the following paragraph:

8 Two consecutive left square bracket tokens shall appear only when introducing an attribute-specifier. [Note: If two consecutive left square brackets appear where an attribute-specifier is not allowed, the program is ill-formed even if the brackets match an alternative grammar production. —end note] [Example: