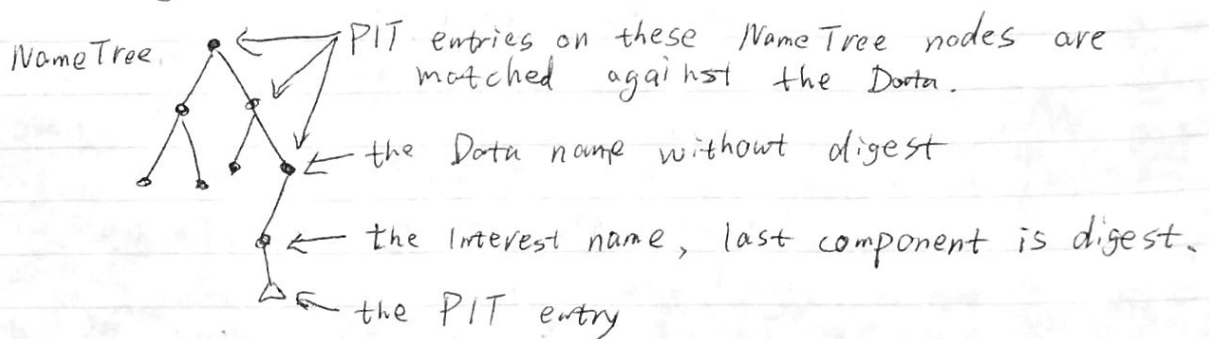


## NFD Bug #3363

Interest with full name is not satisfied with Data

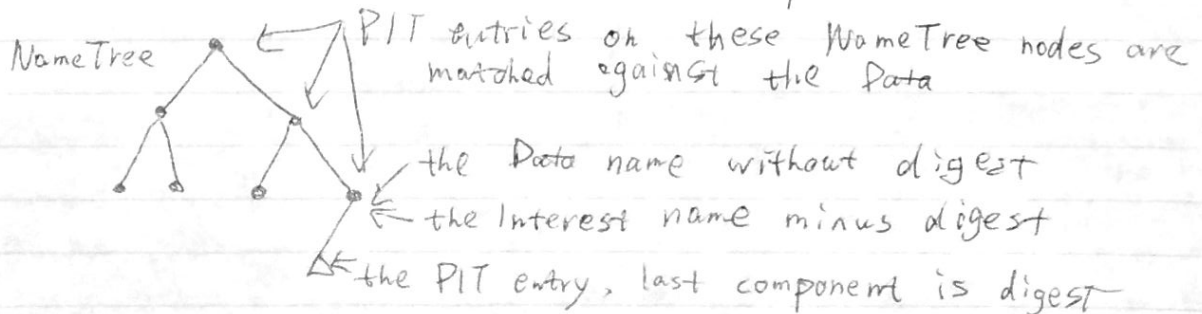
Why it happened?

- > PIT entry is ~~inserted~~ attached onto the NameTree node of the same name, including a digest
- > When Data arrives, the NameTree is looked up from bottom up using longest prefix match, excluding the digest.



The solution: attach the PIT entry at a higher NameTree node

- > Since a PIT entry whose name ends with a digest may be satisfied by Data whose name doesn't have a digest, it should be attached to the NameTree node that is one component shorter.



Does the solution break anything?

No.

- > In the NameTree - PIT design, we worked hard to ensure attaching PIT entry onto NameTree node is no more than an implementation choice.
- > The following areas should be checked:

- △ PIT lookup algorithm

- △ shortcut getters among tables, i.e.

- Fib :: findLongestPrefixMatch (pit :: Entry)

- Measurements :: get (pit :: Entry)

- Measurements :: findLongestPrefixMatch (pit :: Entry)

- StrategyChoice :: findEffectiveStrategy (pit :: Entry)

note: It's rare but valid to have a FIB/

Measurements / StrategyChoice entry ending with an implicit digest.

The solution for this case should be in NameTree :: get (pit :: Entry)