```
< N, LowestInfoBitIsMSB >
                      bounded bitset()
                 +
                 +
                      bounded bitset()
                      bounded bitset()
                 +
                      bounded bitset()
                 +
                      bounded bitset()
                 +
                 +
                      operator=()
                      size()
                 +
                 +
                     empty()
                 +
                     resize()
                 +
                     set()
                      and 35 more...
                      bit order()
                 +
                      max size()
                             < uci constants::MAX
                              NOF HARQ BITS >
               srsran::bounded bitset
               < uci constants::MAX NOF
                       HARQ BITS >
                      bounded bitset()
                 +
                      bounded bitset()
                 +
                      bounded bitset()
                 +
                      bounded bitset()
                 +
     bool
                      bounded bitset()
                 +
                     operator=()
                 +
                      size()
                 +
                     empty()
                 +
                     resize()
                 +
                 +
                     set()
                      and 35 more...
                      bit order()
                 +
                      max size()
                 +
            +is_valid/ +payload
srsran::mac uci pdu
::pusch_type::harq_information
+
    create_undetected_harq
    info()
    create_detected_harq
     info()
```

srsran::bounded bitset