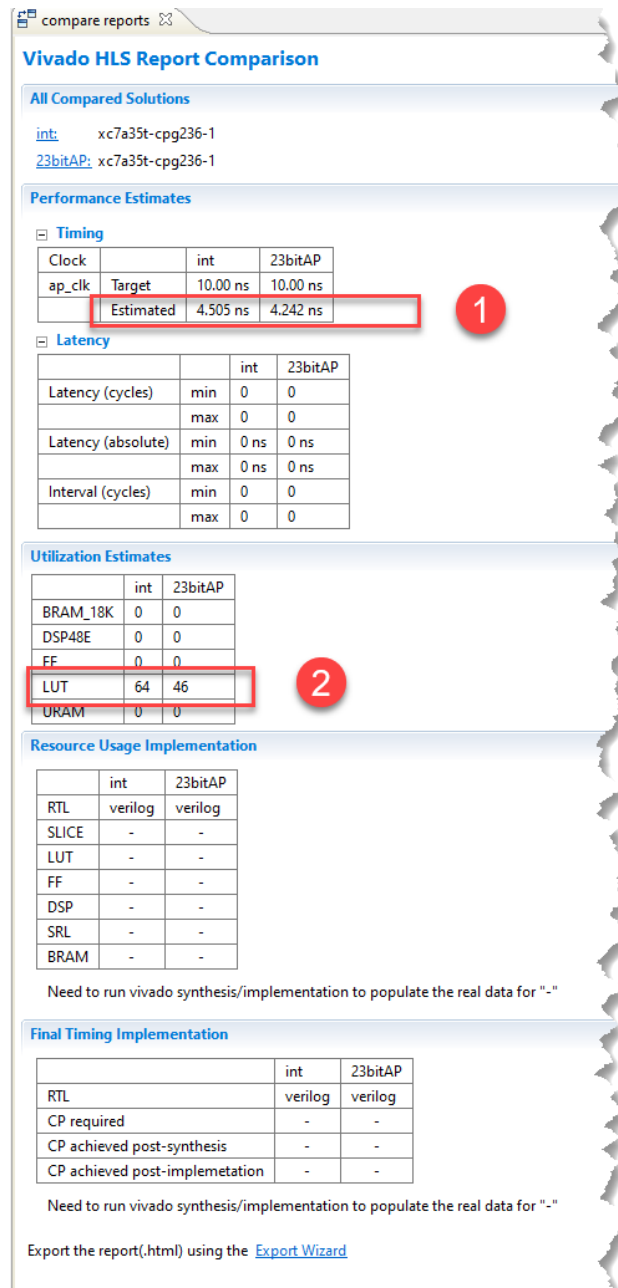


The main differences between the synthesis reports of two design are highlighted in the following figure.



- 1) The design with 23-bit arbitrary-precision data type is faster as its propagation delay is lower than the other implementation.
- 2) The design with 23-bit arbitrary-precision data type utilises less resources, here LUTs.