1. A physical signal with a value range of 9.651 and 13.748 and a minimum accuracy of 0.001 shall be transmitted within a LIN frame in an efficient way. How many bits are required?
2. Design functions to convert a signal from a physical into a raw representation and vice versa.
3. Verify your development using unit tests. Explain your approach and your decisions.
4. The signal shall now be copied into the free space depicted below. Please avoid fragmentation.
5. Design a general function to write into and read back signals at arbitrary positions.

