

Yasir Alqulayti | Lab6 : fixed float point

Github: <https://github.com/yaserc33/Cx203-lab5.git> | 23 / 11 / 2024

Task 1

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$A = Q_{5,5}$

- 1) $3.7188 \times 2^5 = 119.0016$
- 2) Round To 119
- 3) 01110111
- 4) 011.10111

$B = Q_{5,3}$

- 1) $5.21875 \times 2^3 = 42$
- 2) 00101010
- 3) 101.010

$$\begin{array}{r}
 11 \\
 011 \cdot 10111 \\
 101 \cdot 010 \\
 \hline
 1000 \cdot 11111 \\
 \hline
 01000 \cdot 111 \\
 01001 \cdot 000 \\
 \hline
 \end{array}$$

$Q_{10,5}$

$Q_{5,3}$