```
\begin{array}{l} query\\ q\in\\ R^d\\ value\\ \{v_1,\ldots,v_n\},v_i\in\\ R^d\\ key\\ \{k_1,\ldots,k_n\},k_i\in\\ \sum_{i=1}^n v_i\alpha_i\\ \sum_{j=1}^n \exp(k_j^\top q)\\ \sum_{j=1}^{n} \exp(k_j^\top q)\\ alpha=\\ \{\alpha_1,\ldots,\alpha_n\}\\ c\in\\ R^d\\ \mathbf{Copy-ing}\\ \mathbf{ing}\\ \mathbf{int}\\ \mathbf{at-} \end{array}
                                   in
at-
ten-
tion.
           Explain  \begin{array}{l} \mathbf{Ex.} \\ \mathbf{Ex.} \\ \mathbf{plain} \\ \mathbf{a}_i \\ \mathbf{b}_i \\ \mathbf{c}_i \\ \mathbf{c}_j \\ \mathbf{c

\begin{array}{c}
M \\
\{a_1, a_2, \dots, a_m\} \\
or-\\
thog-
\end{array}
```