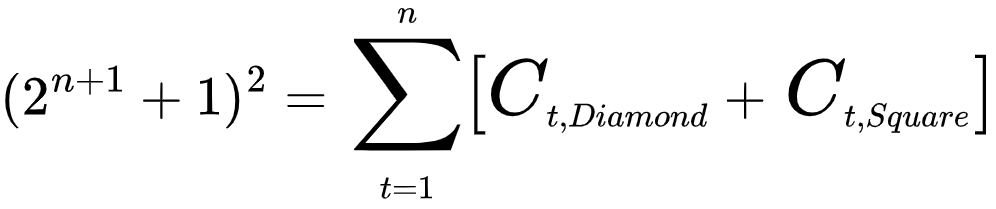
[Online LaTeX Equation Editor (lagrida.com)](https://latexeditor.lagrida.com/)

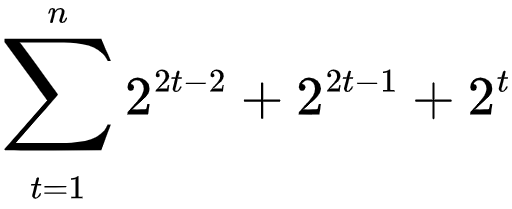
**Total Elements(1)**

\Large \sum\_{\small t=1}^{\small n}\normalsize \Large [C\_{\small t,Diamond} \normalsize + \Large C\_{\small t,Square}]



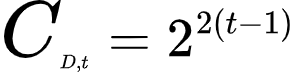
**Total Elements(2)**

\Large \sum\_{\small t=1}^{\small n}\normalsize 2^{\small2t-2} \normalsize + 2^{\small2t-1}\normalsize + 2^{\small t}



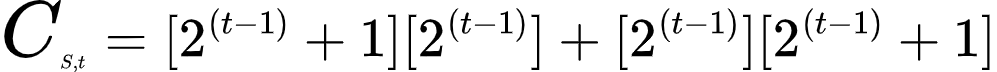
**Total Diamond**

\Large C\_{\tiny D,t} \normalsize = 2^{\small2(t-1)}



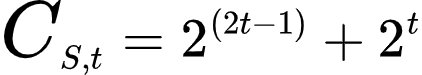
**Total Square(1)**

\Large C\_{\tiny S,t} \normalsize = [2^{\small(t-1)}\normalsize+1][2^{\small(t-1)}\normalsize] + [2^{\small(t-1)}\normalsize][2^{\small(t-1)}\normalsize+1]



**Total Square(2)**

\Large C\_{\small S,t} \normalsize = 2^{\small(2t-1)}\normalsize + 2^{\small t}



**Target Cells (Diamond)**

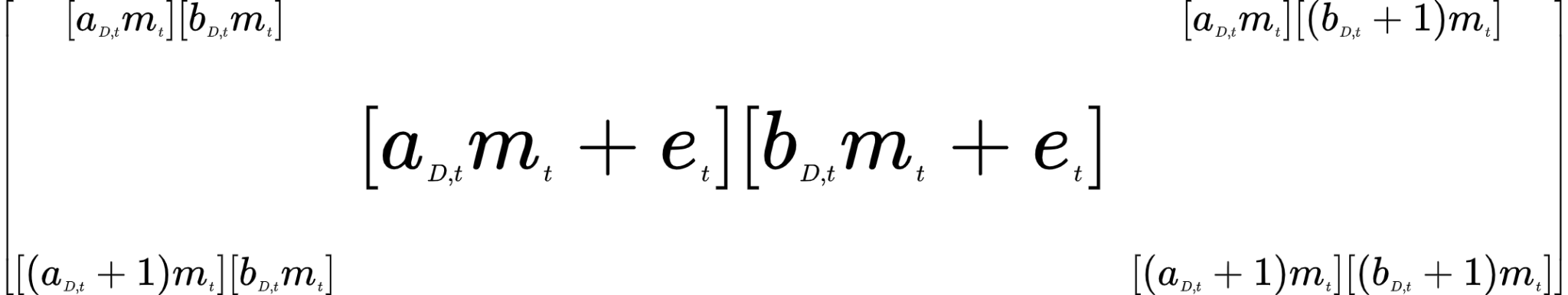
\tiny \begin{bmatrix}

\normalsize [a\_{\tiny D,t}\normalsize m\_{\tiny t}\normalsize][b\_{\tiny D,t}\normalsize m\_{\tiny t}\normalsize] & & \normalsize[ a\_{\tiny D,t}\normalsize m\_{\tiny t}\normalsize][(b\_{\tiny D,t}\normalsize +1)m\_{\tiny t}\normalsize] \\ \\ \\

& \huge [ a\_{\small D,t}\huge m\_{\small t}\huge+e\_{\small t}\huge][b\_{\small D,t}\huge m\_{\small t}\huge+e\_{\small t}\huge] & \\ \\ \\

\normalsize [(a\_{\tiny D,t}\normalsize +1)m\_{\tiny t}\normalsize][b\_{\tiny D,t}\normalsize m\_{\tiny t}\normalsize] & & \normalsize [(a\_{\tiny D,t}\normalsize +1)m\_{\tiny t}\normalsize][(b\_{\tiny D,t}\normalsize +1)m\_{\tiny t}\normalsize]

\end{bmatrix}



**Target Cells (Square) (a rows, b cols)**

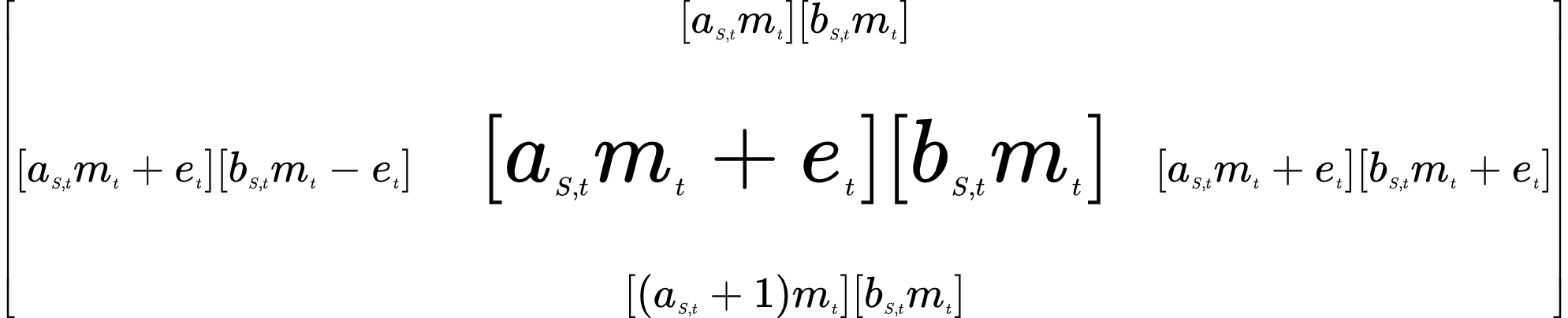
\tiny \begin{bmatrix}

& \normalsize [a\_{\tiny S,t} m\_{\tiny t}\normalsize][b\_{\tiny S,t} m\_{\tiny t}\normalsize ] & \\ \\ \\

\normalsize [a\_{\tiny S,t} m\_{\tiny t}\normalsize +e\_{\tiny t}\normalsize ][b\_{\tiny S,t} m\_{\tiny t}\normalsize -e\_{\tiny t}\normalsize ] \ \ \ \ & \huge [a\_{\small S,t} m\_{\small t}\huge +e\_{\small t}\huge ][b\_{\small S,t} m\_{\small t}\huge] & \ \ \ \ \normalsize [a\_{\tiny S,t} m\_{\tiny t}\normalsize +e\_{\tiny t}\normalsize ][b\_{\tiny S,t} m\_{\tiny t}\normalsize +e\_{\tiny t}\normalsize ] \\ \\ \\

& \normalsize [(a\_{\tiny S,t} +1)m\_{\tiny t}\normalsize ][b\_{\tiny S,t} m\_{\tiny t}\normalsize ] &

\end{bmatrix}



**Target Cells (Square) (a cols, b rows)**

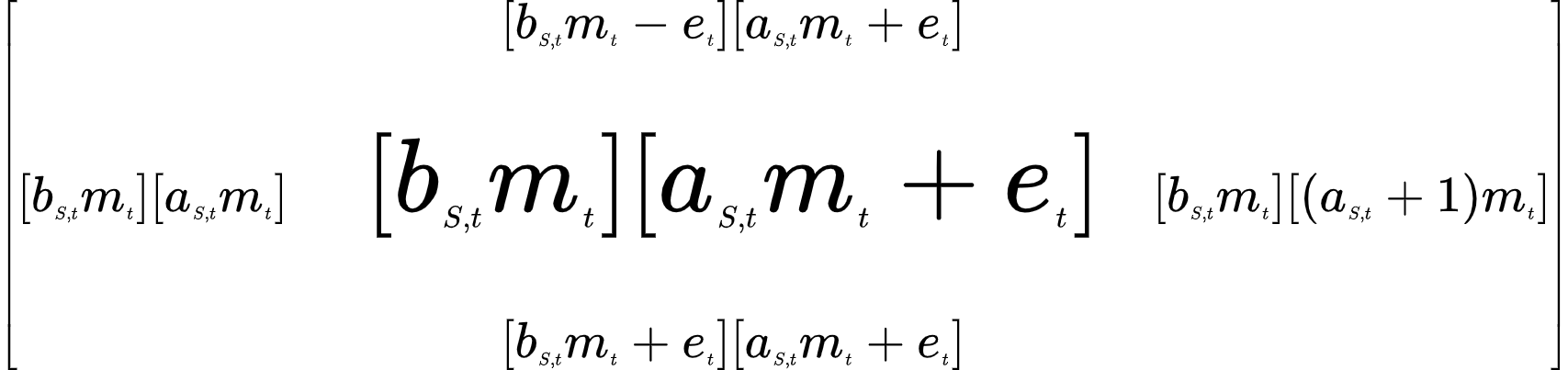
\tiny \begin{bmatrix}

& \normalsize [b\_{\tiny S,t} m\_{\tiny t}\normalsize -e\_{\tiny t}\normalsize ][a\_{\tiny S,t} m\_{\tiny t}\normalsize +e\_{\tiny t}\normalsize] & \\ \\ \\

\normalsize [b\_{\tiny S,t} m\_{\tiny t}\normalsize][a\_{\tiny S,t} m\_{\tiny t}\normalsize ] \ \ \ \ & \huge [b\_{\small S,t} m\_{\small t}\huge ][a\_{\small S,t} m\_{\small t}\huge +e\_{\small t}\huge] & \ \ \ \ \normalsize [b\_{\tiny S,t} m\_{\tiny t}\normalsize ][(a\_{\tiny S,t}+1) m\_{\tiny t}\normalsize ] \\ \\ \\

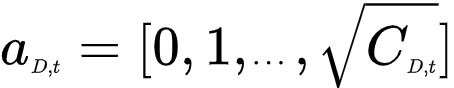
& \normalsize [b\_{\tiny S,t} m\_{\tiny t}\normalsize +e\_{\tiny t}\normalsize ][a\_{\tiny S,t} m\_{\tiny t}\normalsize +e\_{\tiny t}\normalsize] &

\end{bmatrix}



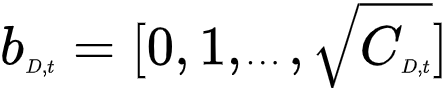
**a range (Diamond)**

a\_{\tiny D,t}\normalsize = [0,1,\tiny ...\normalsize,\small \sqrt{ \normalsize C\_{\tiny D,t}} \normalsize]



**b range (Diamond)**

b\_{\tiny D,t}\normalsize = [0,1,\tiny ...\normalsize,\small \sqrt{ \normalsize C\_{\tiny D,t}} \normalsize]



**a range (Square)**

a\_{\tiny S,t}\normalsize = [0,1,\tiny ...\normalsize , \normalsize 2^{\small(t-1)}\small - \normalsize1]



**b range (Square)**

b\_{\tiny S,t}\normalsize = [0,1,\tiny ...\normalsize , \normalsize 2^{\small(t-1)}\normalsize]



**t range**

t = 1,2,\tiny ...\normalsize n



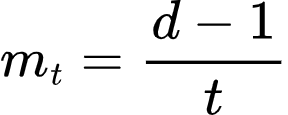
**d**

d = 2^{\small n}\small + \normalsize 1



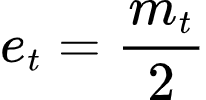
**m**

m\_{\small t} \normalsize = \frac{d-1}{t}



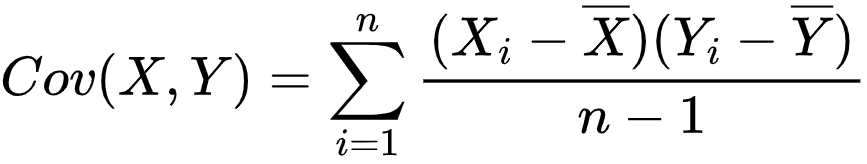
**e**

e\_{\small t} \normalsize = \frac{m\_{\small t}}{2}



z = \frac{x - \mu}{\sigma}

Cov(X,Y)=\sum\_{i=1}^{n}\frac{(X\_i-\overline{X})(Y\_{i}-\overline{Y})}{n-1}



\begin{bmatrix}

Cov(x,x) &Cov(x,y)  & Cov(x,z) \\

 Cov(y,x)&Cov(y,y)  & Cov(y,z) \\

 Cov(z,x)& Cov(z,y) & Cov(z,z)

\end{bmatrix}

A group of black letters

Description automatically generated