

$$a_0, \underline{a_1}, \underline{a_2}, \dots, \underline{a_{n-1}}$$

$$a_1 + a_1$$

$$a_1 + a_2$$

$$a_1 + a_3$$

$$\vdots$$

$$a_1 + a_{n-1}$$

$$a_2 + a_2$$

$$a_2 + a_3$$

⋮

$$a_2 + a_{n-1}$$

$$AB_{ik} = \sum_{j=1}^n a_{ij} b_{jk}$$

$$m \times n \quad n \times l$$

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$$\begin{pmatrix} a_{11} & a_{12} & \dots & a_{1n} \\ \underline{a_{21}} & \underline{a_{22}} & \dots & \underline{a_{2n}} \\ \vdots & \vdots & \ddots & \vdots \\ a_{m1} & a_{m2} & \dots & a_{mn} \end{pmatrix} \begin{pmatrix} b_{11} & b_{12} & \dots & b_{1l} \\ b_{21} & b_{22} & \dots & b_{2l} \\ \vdots & \vdots & \ddots & \vdots \\ b_{n1} & b_{n2} & \dots & b_{nl} \end{pmatrix}$$

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$$AB_{23} = \underbrace{a_{21}}_{m \times n} \underbrace{b_{13}}_{n \times l} + \underbrace{a_{22}}_{m \times n} \underbrace{b_{23}}_{n \times l} + \dots + \underbrace{a_{2n}}_{m \times n} \underbrace{b_{n3}}_{n \times l}$$

~~L~~ ~~o~~ ~~s~~ ~~p~~ ~~o~~ ~~l~~ ~~l~~ ~~o~~  
~~s~~ ~~a~~ ~~l~~ ~~a~~ ~~p~~ ~~t~~  
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