	Blocked matrix-matrix multiplication

for $i := 0, \ldots, m-1$
  for $j := 0, \ldots, n-1$
    for $p := 0, \ldots, k-1$
      $\left.\gamma_{i,j} := \alpha_{i,p}\beta_{p,j} + \gamma_{i,j}\right\\}$ $\gamma_{i,j} := \widetilde{a}_i^T b_j + \gamma_{i,j}$
    end
  end
end
	$m_b = \boxed{1}$, $n_b = \boxed{1}$, and $k_b = \boxed{k}$:
	$\left(\begin{array}{c\|c\|c} \gamma_{0,0} & \cdots & \gamma_{0,n-1} \\ \hline \vdots & & \vdots \\ \hline \gamma_{m-1,0} & \cdots & \gamma_{m-1,n-1} \end{array}\right) +:= \left(\begin{array}{c} \widetilde{a}_0^T \\ \hline \vdots \\ \hline \widetilde{a}_{m-1}^T \end{array}\right) \left(\begin{array}{c\|c\|c} b_0 & \cdots & b_{n-1} \end{array}\right)$

for $i := 0, \ldots, m-1$
  for $p := 0, \ldots, k-1$
    for $j := 0, \ldots, n-1$
      $\left.\gamma_{i,j} := \alpha_{i,p}\beta_{p,j} + \gamma_{i,j}\right\\}$ $\widetilde{c}_i^T := \alpha_{i,p}\widetilde{b}_p^T + \widetilde{c}_i$
    end
  end
end
	$m_b = \boxed{}$, $n_b = \boxed{}$, and $k_b = \boxed{}$:
	$\left(\begin{array}{c} \widetilde{c}_0^T \\ \hline \vdots \\ \hline \widetilde{c}_{m-1}^T \end{array}\right) +:= \left(\begin{array}{c\|c\|c} \alpha_{0,0} & \cdots & \alpha_{0,k-1} \\ \hline \vdots & & \vdots \\ \hline \alpha_{m-1,0} & \cdots & \alpha_{m-1,k-1} \end{array}\right) \left(\begin{array}{c} \widetilde{b}_0^T \\ \hline \vdots \\ \hline \widetilde{b}_{k-1}^T \end{array}\right)$

for $j := 0, \ldots, n-1$
  for $i := 0, \ldots, m-1$
    for $p := 0, \ldots, k-1$
      $\left.\gamma_{i,j} := \alpha_{i,p}\beta_{p,j} + \gamma_{i,j}\right\\}$ $\gamma_{i,j} := \widetilde{a}_i^T b_j + \gamma_{i,j}$
    end
  end
end
	$m_b = \boxed{}$, $n_b = \boxed{}$, and $k_b = \boxed{}$:
	$\left(\begin{array}{c\|c\|c} \gamma_{0,0} & \cdots & \gamma_{0,n-1} \\ \hline \vdots & & \vdots \\ \hline \gamma_{m-1,0} & \cdots & \gamma_{m-1,n-1} \end{array}\right) +:= \left(\begin{array}{c} \widetilde{a}_0^T \\ \hline \vdots \\ \hline \widetilde{a}_{m-1}^T \end{array}\right) \left(\begin{array}{c\|c\|c} b_0 & \cdots & b_{n-1} \end{array}\right)$

for $j := 0, \ldots, n-1$
  for $p := 0, \ldots, k-1$
    for $i := 0, \ldots, m-1$
      $\left.\gamma_{i,j} := \alpha_{i,p}\beta_{p,j} + \gamma_{i,j}\right\\}$ $c_j := \beta_{p,j} a_p + c_j$
    end
  end
end
	$m_b = \boxed{}$, $n_b = \boxed{}$, and $k_b = \boxed{}$:
	$\left(\begin{array}{c\|c\|c} c_0 & \cdots & c_{n-1} \end{array}\right) +:= \left(\begin{array}{c\|c\|c} a_0 & \cdots & a_{k-1} \end{array}\right) \left(\begin{array}{c\|c\|c} \beta_{0,0} & \cdots & \beta_{0,n-1} \\ \hline \vdots & & \vdots \\ \hline \beta_{k-1,0} & \cdots & \beta_{k-1,n-1} \end{array}\right)$

for $p := 0, \ldots, k-1$
  for $i := 0, \ldots, m-1$
    for $j := 0, \ldots, n-1$
      $\left.\gamma_{i,j} := \alpha_{i,p}\beta_{p,j} + \gamma_{i,j}\right\\}$ $\widetilde{c}_i^T := \alpha_{i,p}\widetilde{b}_p^T + \widetilde{c}_i^T$
    end
  end
end
	$m_b = \boxed{}$, $n_b = \boxed{}$, and $k_b = \boxed{}$:
	$\left(\begin{array}{c} \widetilde{c}_0^T \\ \hline \vdots \\ \hline \widetilde{c}_{m-1}^T \end{array}\right) +:= \left(\begin{array}{c\|c\|c} \alpha_{0,0} & \cdots & \alpha_{0,k-1} \\ \hline \vdots & & \vdots \\ \hline \alpha_{m-1,0} & \cdots & \alpha_{m-1,k-1} \end{array}\right) \left(\begin{array}{c} \widetilde{b}_0^T \\ \hline \vdots \\ \hline \widetilde{b}_{k-1}^T \end{array}\right)$

for $p := 0, \ldots, k-1$
  for $j := 0, \ldots, n-1$
    for $i := 0, \ldots, m-1$
      $\left.\gamma_{i,j} := \alpha_{i,p}\beta_{p,j} + \gamma_{i,j}\right\\}$ $c_j := \beta_{p,j} a_p + c_j$
    end
  end
end
	$m_b = \boxed{}$, $n_b = \boxed{}$, and $k_b = \boxed{}$:
	$\left(\begin{array}{c\|c\|c} c_0 & \cdots & c_{n-1} \end{array}\right) +:= \left(\begin{array}{c\|c\|c} a_0 & \cdots & a_{k-1} \end{array}\right) \left(\begin{array}{c\|c\|c} \beta_{0,0} & \cdots & \beta_{0,n-1} \\ \hline \vdots & & \vdots \\ \hline \beta_{k-1,0} & \cdots & \beta_{k-1,n-1} \end{array}\right)$