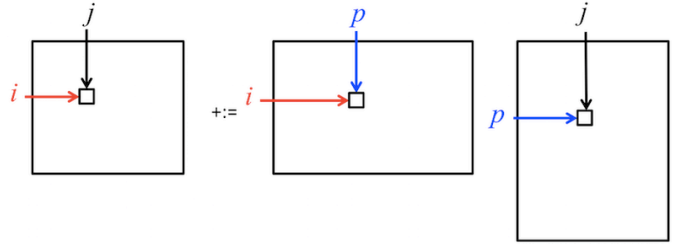


Draw what the inner-most loop computes

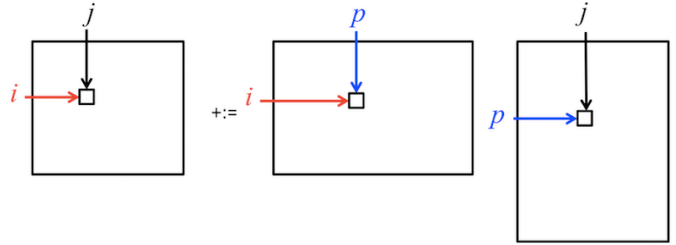
```

for i := 0, ..., m-1
  for j := 0, ..., n-1
    for p := 0, ..., k-1
       $\gamma_{i,j} := \alpha_{i,p} \beta_{p,j} + \gamma_{i,j}$ 
    }  $\gamma_{i,j} := \tilde{a}_i^T b_j + \gamma_{i,j}$ 
  end
end
end
    
```



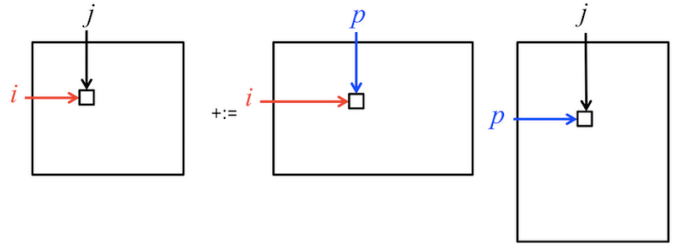
```

for i := 0, ..., m-1
  for p := 0, ..., k-1
    for j := 0, ..., n-1
       $\gamma_{i,j} := \alpha_{i,p} \beta_{p,j} + \gamma_{i,j}$ 
    }  $\tilde{c}_i^T := \alpha_{i,p} \tilde{b}_p^T + \tilde{c}_i$ 
  end
end
end
    
```



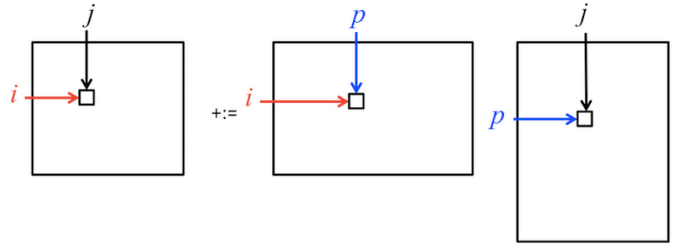
```

for j := 0, ..., n-1
  for i := 0, ..., m-1
    for p := 0, ..., k-1
       $\gamma_{i,j} := \alpha_{i,p} \beta_{p,j} + \gamma_{i,j}$ 
    }  $\gamma_{i,j} := \tilde{a}_i^T b_j + \gamma_{i,j}$ 
  end
end
end
    
```



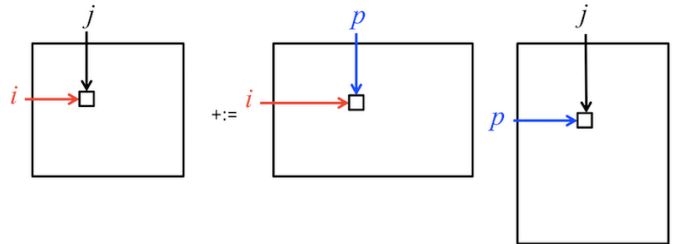
```

for j := 0, ..., n-1
  for p := 0, ..., k-1
    for i := 0, ..., m-1
       $\gamma_{i,j} := \alpha_{i,p} \beta_{p,j} + \gamma_{i,j}$ 
    }  $c_j := \beta_{p,j} a_p + c_j$ 
  end
end
end
    
```



```

for p := 0, ..., k-1
  for i := 0, ..., m-1
    for j := 0, ..., n-1
       $\gamma_{i,j} := \alpha_{i,p} \beta_{p,j} + \gamma_{i,j}$ 
    }  $\tilde{c}_i^T := \alpha_{i,p} \tilde{b}_p^T + \tilde{c}_i^T$ 
  end
end
end
    
```



```

for p := 0, ..., k-1
  for j := 0, ..., n-1
    for i := 0, ..., m-1
       $\gamma_{i,j} := \alpha_{i,p} \beta_{p,j} + \gamma_{i,j}$ 
    }  $c_j := \beta_{p,j} a_p + c_j$ 
  end
end
end
    
```

