

Algorithm

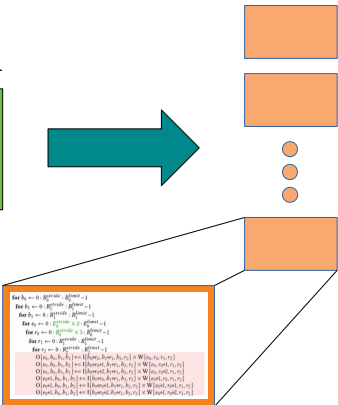
```

for  $g_0 \leftarrow 0 : G_0^{step} : G_0^{count} - 1$ 
  for  $g_1 \leftarrow 0 : G_1^{step} : G_1^{count} - 1$ 
    ...
    for  $b_0 \leftarrow 0 : B_0^{step} : B_0^{count} - 1$ 
      for  $b_1 \leftarrow 0 : B_1^{step} : B_1^{count} - 1$ 
        ...
        for  $e_0 \leftarrow 0 : E_0^{step} : E_0^{count} - 1$ 
          for  $e_1 \leftarrow 0 : E_1^{step} : E_1^{count} - 1$ 
            ...
            for  $r_0 \leftarrow 0 : R_0^{step} : R_0^{count} - 1$ 
              for  $r_1 \leftarrow 0 : R_1^{step} : R_1^{count} - 1$ 
                ...
                 $O[g_0, g_1, \dots, b_0, b_1, \dots, e_0, e_1, \dots, r_0, r_1, \dots] +=$ 
                 $I[g_0, g_1, \dots, b_0, b_1, \dots, e_0, e_1, \dots, r_0, r_1, \dots] \times W[g_0, g_1, \dots, b_0, b_1, \dots, e_0, e_1, \dots, r_0, r_1, \dots]$ 

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Unrollings



Projections

$$P(0): \langle (U_{R-W}^0, W_{rate}^0, W_{stride}^0), U_{R-N}^0, U_E^0, U_B^0, U_G^0 \rangle$$

$$P(1): \langle (U_{R-W}^1, W_{rate}^1, W_{stride}^1), U_{R-N}^1, U_E^1, U_B^1, U_G^1 \rangle$$

⋮

$$P(N): \langle (U_{R-W}^N, W_{rate}^N, W_{stride}^N), U_{R-N}^N, U_E^N, U_B^N, U_G^N \rangle$$