

Benchmark

Algorithm0:

```
for g1 ← 0; G1^start, G1^end-1
  for g2 ← 0; G2^start, G2^end-1
    for b1 ← 0; B1^start, B1^end-1
      for b2 ← 0; B2^start, B2^end-1
        for r1 ← 0; R1^start, R1^end-1
          for r2 ← 0; R2^start, R2^end-1
            O[g1, g2, ..., b1, b2, ..., r1, r2] +=
              H[g1, g2, ..., b1, b2, ..., r1, r2] × W[g1, g2, ..., r1, r2, ...]
```

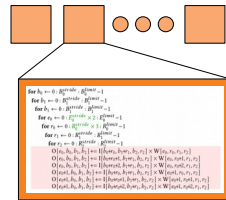
Algorithm1:

```
for g1 ← 0; G1^start, G1^end-1
  for g2 ← 0; G2^start, G2^end-1
    for b1 ← 0; B1^start, B1^end-1
      for b2 ← 0; B2^start, B2^end-1
        for r1 ← 0; R1^start, R1^end-1
          for r2 ← 0; R2^start, R2^end-1
            O[g1, g2, ..., b1, b2, ..., r1, r2] +=
              H[g1, g2, ..., b1, b2, ..., r1, r2] × W[g1, g2, ..., r1, r2, ...]
```

AlgorithmN:

```
for g1 ← 0; G1^start, G1^end-1
  for g2 ← 0; G2^start, G2^end-1
    for b1 ← 0; B1^start, B1^end-1
      for b2 ← 0; B2^start, B2^end-1
        for r1 ← 0; R1^start, R1^end-1
          for r2 ← 0; R2^start, R2^end-1
            O[g1, g2, ..., b1, b2, ..., r1, r2] +=
              H[g1, g2, ..., b1, b2, ..., r1, r2] × W[g1, g2, ..., r1, r2, ...]
```

Unrollings



Projections

{<>, <>, ..., <>}

A projection

{<>, <>, ..., <>}

{<>, <>, ..., <>}

Selected
projections

Selection

{<>, <>, ..., <>}

Generation

Projections	Configurations
P0 < >	Config 0
P1 < >	Config 1
P2 < >	Config 2
⋮	⋮

MLBlock

