

Schedule Explorer

↓
Query: Loop AST

```
for yo in range(4):
    for xo in range(4):
        C[yo*2:yo*2+2][xo*2:xo*2+2] = 0
        for ko in range(8):
            for yi in range(2):
                for xi in range(2):
                    C[yo*2+yi][xo*2+xi] +=
                        A[k][yo*2+yi] * B[k][xo*2+xi]
```

Feature Extraction

e.g. touched memory size

| | xi | yi | k | xo | yo |
|---|----|----|----|----|----|
| C | 2 | 4 | 4 | 16 | 64 |
| A | 1 | 2 | 16 | 16 | 64 |
| B | 2 | 2 | 16 | 64 | 64 |

alternatively, we can feed AST to TreeRNN

XGBoost

cost prediction