Input code:

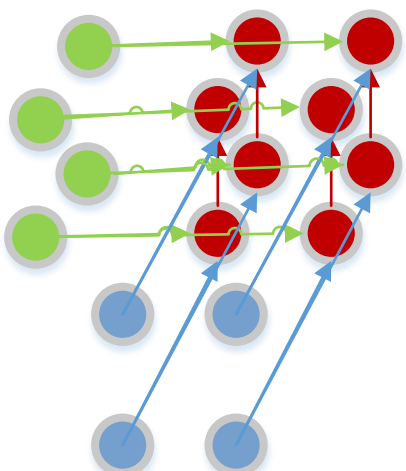
```
for (i1 = 0; i1 < N; i1++)
      for (i2 = 0; i2 < M; i2++)
            for (i3 = 0; i3 < K; i3++)
            S1 : C[i1][i2] = C[i1][i2] + A[i1][i3]*B[i3][i1];
```

Transformation to SSA form:

....

```
S1 : C[i1][i2][i3+1] = C[i1][i2][i3] + A[i1][i3]*B[i3][i1];
```

Execution DAG for N=M=K=2



Symbolic graph