Homework

```
for ( i = 0; i < MAX; i++ )
  for ( j = 0; j < MAX; j++ )
    for ( k = 0; k < MAX; k++ )
      for ( m = 0; m < MAX; m++)
        BODY(i, j, k, m) ;
```

BODY   .

(a) A[i, j, k, m] += A[i-1, j, k, m];
     R[m] += A[i+1, j-1, k,m];

(b)   R[m] += A[i-1, j-1, k+1, m+1];
      A[i, j, k, m] += A[i-1, j+1, k, m];

      Task: Draw dependence graph for these two cases, and determine all legal transformations