

## Mini Quiz 26

[github.com/6035/sp22](https://github.com/6035/sp22)

Name: \_\_\_\_\_

Kerberos username (omit @mit.edu): \_\_\_\_\_

Consider the following program:

```
for (i = 0; i < n; i += 1) {  
    for (j = 0; j < n; j += 1) {  
        if (i < 1 || j < 2) continue;  
        A[i, j] = A[i - 1, j - 2] + 3;  
    }  
}
```

$A[i, j]$  means the element at the  $i$ -th row and the  $j$ -th column in the 2 dimensional array.

What is the distance vector for these loops?

Assume that  $n = 4$ . Draw the iteration space grid below. Use dots to represent the values of  $i$  and  $j$  for an iteration. Use arrows to represent dependencies.