April 18, 2013	Name	
6.035 Spring 2013	Miniquiz $#21$	5 minutes

1. Provide the distance vectors for the following loops:

```
(a) FOR I = 1 to n
A[I] = A[I] + 1
(b) FOR I = 1 to n
FOR J = 1 to n
A[I, J] = A[I, J - 1] + 1
(c) FOR I = 1 to n
```

- FOR J = 1 to n A[I, J] = A[I - 1, J + 1] + 1
- 2. Which of the above loops can be parallelized using the distance vector method? If it can be parallelized, describe how. Remember that each loop in a loop nest may be individually parallelizable.