



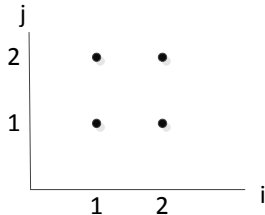
```

For i = 1 to 2
  For j = 1 to 2
S1:   A[i][j] = B[i-1][j]
      ↗
S2:   B[i-1][j] = B[i-1][j-1]
      ↖
  Endfor
Endfor

```

 Loop independent dependency  
 Loop-carried dependency

Iteration vectors for both S1 & S2:  
 $(1,1), (1,2), (2,1), (2,2)$



Iteration Space