1

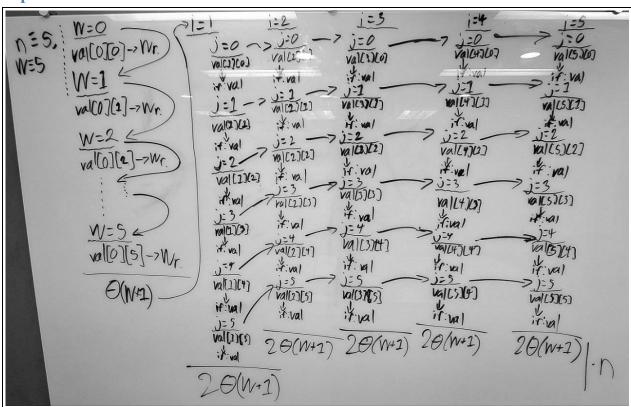
```
• Tasks: F[0][0] = C[0][0] \equiv 1, read(F[0][k-1]) \equiv 1, read(C[0][k]) \equiv 1, add(F[0][k-1], C[0][k]) \equiv 3, write(F[0][k]) \equiv 1, read(F[i-1][0]) \equiv 1, read(C[i][0]) \equiv 1, add(F[i-1][0], C[i][0]) \equiv 3, write(F[i][0]) \equiv 1, read(F[i-1][j]) \equiv 1, read(F[i-1][j], F[i][j-1]) \equiv 1, add(C[i][j]) \equiv 1, add(C[i][j]) \equiv 1, add(C[i][i]) \equiv 1, read(C[i][i]) \equiv 1,
```

• Dependencies:

```
F[0][0] = C[0][0] \rightarrow \operatorname{read}(F[0][k-1]) + \operatorname{read}(C[0][k]) + \operatorname{write}(F[0][k]) \rightarrow \operatorname{read}(F[i-1][j]) + \operatorname{read}(F[i][j-1]) + \operatorname{read}(C[i][j]) \rightarrow \operatorname{max}(F[i-1][j], F[i][j-1]) + \operatorname{read}(C[i][j]) \rightarrow \operatorname{read}(F[i-1][j], F[i][j-1]), C[i][j]) \rightarrow \operatorname{write}(F[i][j]) \rightarrow \operatorname{read}(F[n-1][m-1])
```

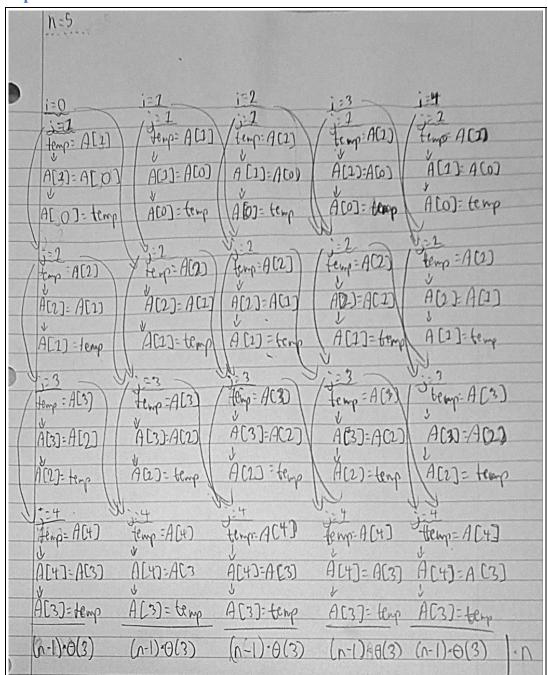
- width = 3mn
- $T_{\infty} = 6m + 6n + 10mn + 2$, length = 7

- Complexity: $\Theta(N) = (10n + 1)\Theta(W + 1)$
- Dependencies:



- width = W
- $\sum p_i = (10n+1)\Theta(W+1)$
- $T_{\infty} = (10n+1)\Theta(W+1)$, length = W+n

- Complexity: $\Theta(N) = n(n-1)\Theta(3)$
- Dependencies:



- width = n
- $T_{\infty} = (n-1)\Theta(3)$, length = [n-1]