Sorting Algorithms

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Print Algorithm

```python
def printmat(M):
    dim1 = len(M[0])
    for i in range(len(M)):
        for j in range(dim1):
            print(M[i][j], end ="␣")
        print()
```

PrettyPrint Algorithm

```python
def prettyprint(M,d):
    s = "|{:"+str(d)+"d}"
    dim1 = len(M[0])
    for i in range(len(M)):
        print("-"*(d+2)*dim1)
        for j in range(dim1):
            print(s.format(M[i][j]), end="␣")
        print("|")
    print("-"*(d+2)*dim1)
```

Init & Load Algorithm

```python
return [[val for i in range c] for i in range l]
def init(l,c,val):
    matrix = []
    for i in range(l):
        l = []
        for j in range(c):
            l.append(val)
        matrix.append(l)
    return matrix

def load(filename):
    f = open(filename)
    lines = f.readlines()
    f.close()
    M = []
    for line in lines:
        M.append(__str2intlist(line))
    return M
```