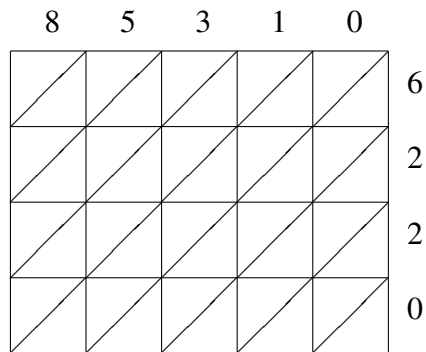# Lattice Multiplication (E)
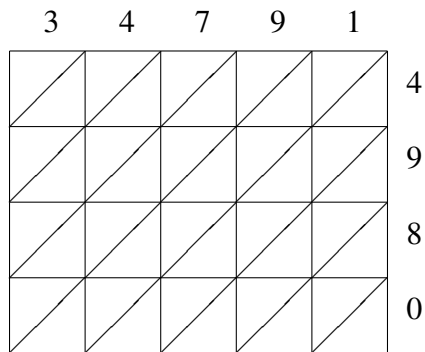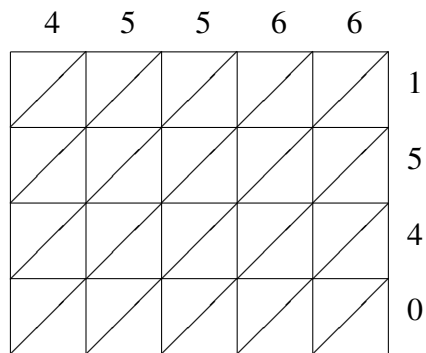
Use lattice multiplication to find each product.

```
    3   4   7   9   1              8   5   3   1   0
  ┌───┬───┬───┬───┬───┐        ┌───┬───┬───┬───┬───┐
  │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 4      │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 6
  ├───┼───┼───┼───┼───┤        ├───┼───┼───┼───┼───┤
  │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 9      │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 2
  ├───┼───┼───┼───┼───┤        ├───┼───┼───┼───┼───┤
  │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 8      │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 2
  ├───┼───┼───┼───┼───┤        ├───┼───┼───┼───┼───┤
  │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 0      │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 0
  └───┴───┴───┴───┴───┘        └───┴───┴───┴───┴───┘
```

$34791 \times 4980 = $ _____ $85310 \times 6220 = $ _____

```
    4   9   8   2   6              4   5   5   6   6
  ┌───┬───┬───┬───┬───┐        ┌───┬───┬───┬───┬───┐
  │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 2      │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 1
  ├───┼───┼───┼───┼───┤        ├───┼───┼───┼───┼───┤
  │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 5      │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 5
  ├───┼───┼───┼───┼───┤        ├───┼───┼───┼───┼───┤
  │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 0      │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 4
  ├───┼───┼───┼───┼───┤        ├───┼───┼───┼───┼───┤
  │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 3      │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 0
  └───┴───┴───┴───┴───┘        └───┴───┴───┴───┴───┘
```

$49826 \times 2503 = $ _____ $45566 \times 1540 = $ _____

```
    4   2   2   9   2              7   9   2   7   7
  ┌───┬───┬───┬───┬───┐        ┌───┬───┬───┬───┬───┐
  │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 5      │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 9
  ├───┼───┼───┼───┼───┤        ├───┼───┼───┼───┼───┤
  │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 1      │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 3
  ├───┼───┼───┼───┼───┤        ├───┼───┼───┼───┼───┤
  │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 4      │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 4
  ├───┼───┼───┼───┼───┤        ├───┼───┼───┼───┼───┤
  │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 5      │ ╱ │ ╱ │ ╱ │ ╱ │ ╱ │ 6
  └───┴───┴───┴───┴───┘        └───┴───┴───┴───┴───┘
```
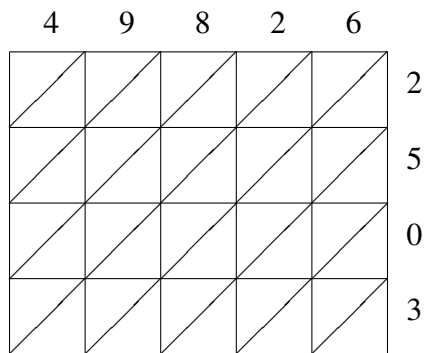
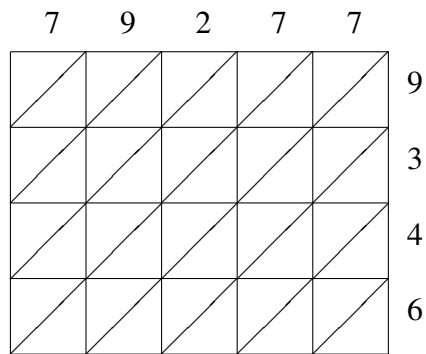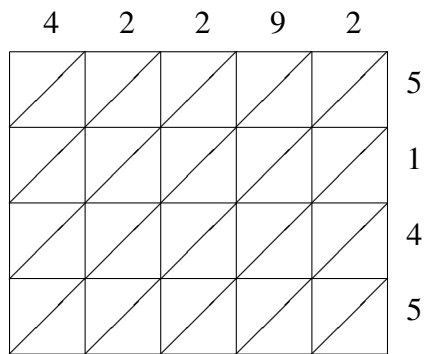$42292 \times 5145 = $ _____ $79277 \times 9346 = $ _____
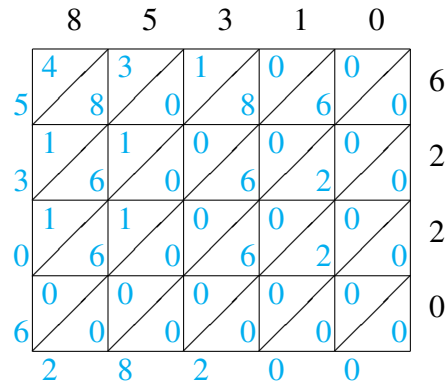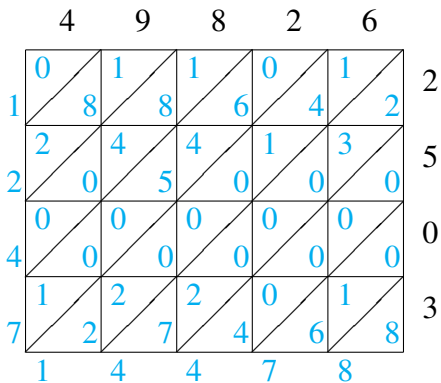
Lattice Multiplication (E) Answers
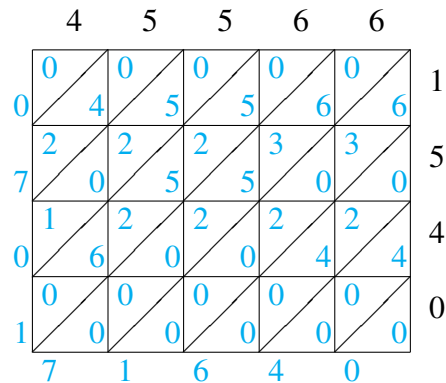
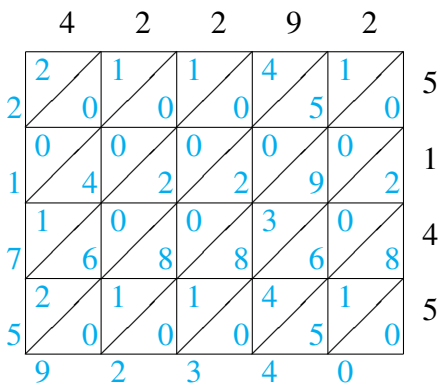## Use lattice multiplication to find each product.
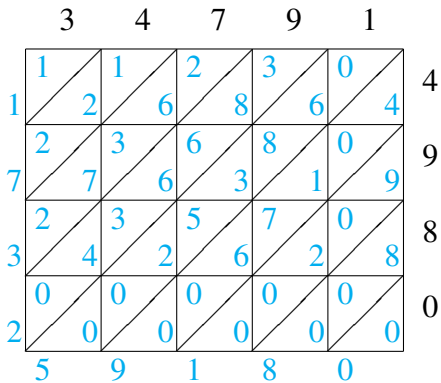
$34791 \times 4980 = 173,259,180$
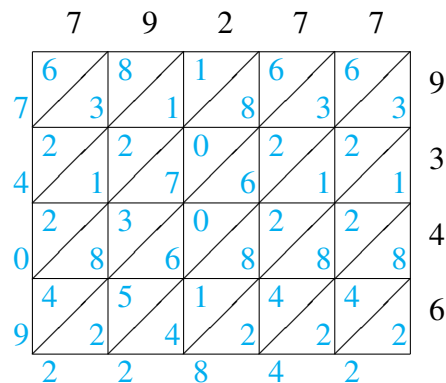
$85310 \times 6220 = 530,628,200$

$49826 \times 2503 = 124,714,478$

$45566 \times 1540 = 70,171,640$

$42292 \times 5145 = 217,592,340$

$79277 \times 9346 = 740,922,842$