g-matrices of st-tilt(L_5)

```
[ [   1,   0,   0,   0,   0 ],
  [   0,   1,   0,   0,   0 ],
  [   0,   0,   1,   0,   0 ],
  [   0,   0,   0,   1,   0 ],
  [   0,   0,   0,   0,   1 ] ]
```

```
[ [  -1,   0,   0,   0,   0 ],
  [   0,  -1,   0,   0,   0 ],
  [   0,   0,  -1,   0,   0 ],
  [   0,   0,   0,  -1,   0 ],
  [   0,   0,   0,   0,  -1 ] ]
```

```
[ [   0,   0,   0,   1,  -1 ],
  [   0,   1,   0,   0,   0 ],
  [   0,   0,   1,   0,   0 ],
  [   0,   0,   0,   1,   0 ],
  [   1,   0,   0,   0,   0 ] ]
```

```
[ [   0,   1,   0,  -1,   1 ],
  [   0,   1,   0,   0,   0 ],
  [   0,   0,   1,   0,   0 ],
  [   0,   0,   0,   0,   1 ],
  [   1,   0,   0,   0,   0 ] ]
```

```
[ [   0,   1,  -1,   0,   0 ],
  [   0,   1,   0,   0,   0 ],
  [   0,   0,   0,   1,   0 ],
  [   0,   0,   0,   0,   1 ],
  [   1,   0,   0,   0,   0 ] ]
```

```
[ [   1,  -1,   1,   1,   0 ],
  [   0,   0,   1,   0,   0 ],
  [   0,   0,   0,   1,   0 ],
  [   0,   0,   0,   0,   1 ],
  [   1,   0,   0,   0,   0 ] ]
```

```
[ [  -1,   1,   0,   0,   0 ],
  [   0,   1,   0,   0,   0 ],
```

```
   [   0,    0,    1,    0,    0 ],
   [   0,    0,    0,    1,    0 ],
   [   0,    0,    0,    0,    1 ] ]
----------
[ [   0,    1,    0,    0,   -1 ],
   [   0,    0,    0,    1,   -1 ],
   [   0,    1,    0,    0,    0 ],
   [   0,    0,    1,    0,    0 ],
   [   1,    0,    0,    0,    0 ] ]
----------
[ [   0,    1,   -1,    0,    0 ],
   [   0,    0,    0,    1,   -1 ],
   [   0,    1,    0,    0,    0 ],
   [   0,    0,    0,    1,    0 ],
   [   1,    0,    0,    0,    0 ] ]
----------
[ [   1,   -1,    1,    1,    0 ],
   [   0,    0,    0,    1,   -1 ],
   [   0,    0,    1,    0,    0 ],
   [   0,    0,    0,    1,    0 ],
   [   1,    0,    0,    0,    0 ] ]
----------
[ [  -1,    1,    0,    0,    0 ],
   [   0,    0,    0,    1,   -1 ],
   [   0,    1,    0,    0,    0 ],
   [   0,    0,    1,    0,    0 ],
   [   0,    0,    0,    1,    0 ] ]
----------
[ [   0,    1,    0,   -1,    0 ],
   [   0,    1,    0,   -1,    1 ],
   [   0,    1,    0,    0,    0 ],
   [   0,    0,    1,    0,    0 ],
   [   1,    0,    0,    0,    0 ] ]
----------
[ [   0,    1,   -1,    0,    0 ],
   [   0,    1,    0,   -1,    1 ],
   [   0,    1,    0,    0,    0 ],
   [   0,    0,    0,    0,    1 ],
   [   1,    0,    0,    0,    0 ] ]
----------
[ [   1,    0,    1,   -1,    1 ],
```

```
    [    0,    1,    0,   -1,    1 ],
    [    0,    0,    1,    0,    0 ],
    [    0,    0,    0,    0,    1 ],
    [    1,    0,    0,    0,    0 ]]
----------
[[   -1,    1,    0,    0,    0 ],
    [    0,    1,    0,   -1,    1 ],
    [    0,    1,    0,    0,    0 ],
    [    0,    0,    1,    0,    0 ],
    [    0,    0,    0,    0,    1 ]]
----------
[[    0,    0,   -1,    1,    0 ],
    [    0,    1,   -1,    0,    0 ],
    [    0,    0,    0,    1,    0 ],
    [    0,    0,    0,    0,    1 ],
    [    1,    0,    0,    0,    0 ]]
----------
[[   -1,    1,    0,    0,    0 ],
    [    0,    1,   -1,    0,    0 ],
    [    0,    1,    0,    0,    0 ],
    [    0,    0,    0,    1,    0 ],
    [    0,    0,    0,    0,    1 ]]
----------
[[    2,   -1,    1,    0,    1 ],
    [    1,   -1,    1,    1,    0 ],
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    [    0,    0,    0,    0,    1 ],
    [    1,    0,    0,    0,    0 ]]
----------
[[    1,   -1,    0,    2,    0 ],
    [    1,   -1,    1,    1,    0 ],
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    [    0,    0,    0,    0,    1 ],
    [    1,    0,    0,    0,    0 ]]
----------
[[    0,   -1,    1,    1,    0 ],
    [    1,   -1,    1,    1,    0 ],
    [    0,    0,    1,    0,    0 ],
    [    0,    0,    0,    1,    0 ],
    [    0,    0,    0,    0,    1 ]]
----------
```

```
[ [  -1,    0,    0,    1,    0 ],
  [  -1,    1,    0,    0,    0 ],
  [   0,    0,    1,    0,    0 ],
  [   0,    0,    0,    1,    0 ],
  [   0,    0,    0,    0,    1 ] ]
----------
[ [   0,    1,   -1,    0,    0 ],
  [   0,    1,    0,    0,   -1 ],
  [   0,    0,    0,    1,   -1 ],
  [   0,    1,    0,    0,    0 ],
  [   1,    0,    0,    0,    0 ] ]
----------
[ [   0,    1,    0,    0,   -1 ],
  [   0,    0,    0,    1,   -1 ],
  [   0,    0,    1,    0,    0 ],
  [   0,    0,    1,    0,   -1 ],
  [   1,    0,    0,    0,    0 ] ]
----------
[ [   0,    1,    0,   -1,    0 ],
  [   0,    1,    0,    0,   -1 ],
  [   0,    1,    0,    0,    0 ],
  [   0,    0,    1,    0,    0 ],
  [   1,    0,    0,    0,    0 ] ]
----------
[ [  -1,    1,    0,    0,    0 ],
  [   0,    1,    0,    0,   -1 ],
  [   0,    0,    0,    1,   -1 ],
  [   0,    1,    0,    0,    0 ],
  [   0,    0,    1,    0,    0 ] ]
----------
[ [   0,    0,   -1,    1,    0 ],
  [   0,    1,   -1,    0,    0 ],
  [   0,    0,    0,    1,   -1 ],
  [   0,    0,    0,    1,    0 ],
  [   1,    0,    0,    0,    0 ] ]
----------
[ [  -1,    1,    0,    0,    0 ],
  [   0,    1,   -1,    0,    0 ],
  [   0,    0,    0,    1,   -1 ],
  [   0,    1,    0,    0,    0 ],
  [   0,    0,    0,    1,    0 ] ]
```

```
----------
[ [    1,   -1,    1,    1,    0 ],
  [    0,    0,    0,    1,   -1 ],
  [    0,    0,    1,    0,    0 ],
  [    1,   -1,    1,    1,   -1 ],
  [    1,    0,    0,    0,    0 ] ]
----------
[ [    1,   -1,    0,    2,    0 ],
  [    1,   -1,    1,    1,    0 ],
  [    0,    0,    0,    1,   -1 ],
  [    0,    0,    0,    1,    0 ],
  [    1,    0,    0,    0,    0 ] ]
----------
[ [    0,   -1,    1,    1,    0 ],
  [    1,   -1,    1,    1,    0 ],
  [    0,    0,    0,    1,   -1 ],
  [    0,    0,    1,    0,    0 ],
  [    0,    0,    0,    1,    0 ] ]
----------
[ [   -1,    0,    0,    1,    0 ],
  [   -1,    1,    0,    0,    0 ],
  [    0,    0,    0,    1,   -1 ],
  [    0,    0,    1,    0,    0 ],
  [    0,    0,    0,    1,    0 ] ]
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  [    0,    1,    0,   -1,    0 ],
  [    0,    1,    0,   -1,    1 ],
  [    0,    1,    0,    0,    0 ],
  [    1,    0,    0,    0,    0 ] ]
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[ [    1,    0,    1,   -1,    1 ],
  [    0,    1,    0,   -1,    0 ],
  [    0,    1,    0,   -1,    1 ],
  [    0,    0,    1,    0,    0 ],
  [    1,    0,    0,    0,    0 ] ]
----------
[ [   -1,    1,    0,    0,    0 ],
  [    0,    1,    0,   -1,    0 ],
  [    0,    1,    0,   -1,    1 ],
  [    0,    1,    0,    0,    0 ],
```

```
        [    0,    0,    1,    0,    0 ] ]
----------
[ [    0,    1,   -1,   -1,    1 ],
  [    0,    1,   -1,    0,    0 ],
  [    0,    1,    0,   -1,    1 ],
  [    0,    0,    0,    0,    1 ],
  [    1,    0,    0,    0,    0 ] ]
----------
[ [   -1,    1,    0,    0,    0 ],
  [    0,    1,   -1,    0,    0 ],
  [    0,    1,    0,   -1,    1 ],
  [    0,    1,    0,    0,    0 ],
  [    0,    0,    0,    0,    1 ] ]
----------
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  [    1,    0,    1,   -1,    1 ],
  [    0,    1,    0,   -1,    1 ],
  [    0,    0,    0,    0,    1 ],
  [    1,    0,    0,    0,    0 ] ]
----------
[ [    2,   -1,    1,    0,    1 ],
  [    1,    0,    1,   -1,    1 ],
  [    0,    0,    1,    0,    0 ],
  [    0,    0,    0,    0,    1 ],
  [    1,    0,    0,    0,    0 ] ]
----------
[ [    0,    0,    1,   -1,    1 ],
  [    1,    0,    1,   -1,    1 ],
  [    0,    1,    0,   -1,    1 ],
  [    0,    0,    1,    0,    0 ],
  [    0,    0,    0,    0,    1 ] ]
----------
[ [   -1,    1,    0,   -1,    1 ],
  [   -1,    1,    0,    0,    0 ],
  [    0,    1,    0,   -1,    1 ],
  [    0,    0,    1,    0,    0 ],
  [    0,    0,    0,    0,    1 ] ]
----------
[ [    0,    0,   -1,    0,    1 ],
  [    0,    0,   -1,    1,    0 ],
  [    0,    1,   -1,    0,    0 ],
```

```
   [    0,    0,    0,    0,    1 ],
   [    1,    0,    0,    0,    0 ] ]
----------
[ [    1,   -1,    0,    2,    0 ],
   [    0,    0,   -1,    1,    0 ],
   [    0,    0,    0,    1,    0 ],
   [    0,    0,    0,    0,    1 ],
   [    1,    0,    0,    0,    0 ] ]
----------
[ [   -1,    1,   -1,    1,    0 ],
   [    0,    0,   -1,    1,    0 ],
   [    0,    1,   -1,    0,    0 ],
   [    0,    0,    0,    1,    0 ],
   [    0,    0,    0,    0,    1 ] ]
----------
[ [   -1,    1,   -1,    1,    0 ],
   [   -1,    1,    0,    0,    0 ],
   [    0,    1,   -1,    0,    0 ],
   [    0,    0,    0,    1,    0 ],
   [    0,    0,    0,    0,    1 ] ]
----------
[ [    2,   -1,    1,    0,    1 ],
   [    1,   -1,    1,    1,    0 ],
   [    0,    0,    1,    0,    0 ],
   [    2,   -1,    1,    0,    0 ],
   [    1,    0,    0,    0,    0 ] ]
----------
[ [    1,   -1,    0,    1,    1 ],
   [    2,   -1,    1,    0,    1 ],
   [    1,   -1,    1,    1,    0 ],
   [    0,    0,    0,    0,    1 ],
   [    1,    0,    0,    0,    0 ] ]
----------
[ [    1,   -1,    1,    0,    1 ],
   [    2,   -1,    1,    0,    1 ],
   [    1,   -1,    1,    1,    0 ],
   [    0,    0,    1,    0,    0 ],
   [    0,    0,    0,    0,    1 ] ]
----------
[ [    1,   -1,    0,    1,    1 ],
   [    1,   -1,    0,    2,    0 ],
```

```
    [    1,   -1,    1,    1,    0 ],
    [    0,    0,    0,    0,    1 ],
    [    1,    0,    0,    0,    0 ] ]
----------
[ [    0,   -1,    1,    1,    0 ],
   [    1,   -1,    0,    2,    0 ],
   [    1,   -1,    1,    1,    0 ],
   [    0,    0,    0,    1,    0 ],
   [    0,    0,    0,    0,    1 ] ]
----------
[ [    1,   -1,    1,    0,    1 ],
   [    0,   -1,    1,    1,    0 ],
   [    1,   -1,    1,    1,    0 ],
   [    0,    0,    1,    0,    0 ],
   [    0,    0,    0,    0,    1 ] ]
----------
[ [   -1,    0,    0,    1,    0 ],
   [    0,   -1,    1,    1,    0 ],
   [    0,    0,    1,    0,    0 ],
   [    0,    0,    0,    1,    0 ],
   [    0,    0,    0,    0,    1 ] ]
----------
[ [   -2,    1,    0,    0,    0 ],
   [   -1,    0,    0,    1,    0 ],
   [   -1,    1,    0,    0,    0 ],
   [    0,    0,    1,    0,    0 ],
   [    0,    0,    0,    0,    1 ] ]
----------
[ [   -1,    1,   -1,    1,    0 ],
   [   -1,    0,    0,    1,    0 ],
   [   -1,    1,    0,    0,    0 ],
   [    0,    0,    0,    1,    0 ],
   [    0,    0,    0,    0,    1 ] ]
----------
[ [    0,    1,   -1,    0,    0 ],
   [    0,    1,    0,    0,   -1 ],
   [    0,    0,    0,    1,   -1 ],
   [    0,    1,   -1,    0,   -1 ],
   [    1,    0,    0,    0,    0 ] ]
----------
[ [    0,    1,    0,   -1,    0 ],
```

```
    [    0,    1,   -1,    0,    0 ],
    [    0,    1,    0,    0,   -1 ],
    [    0,    1,    0,    0,    0 ],
    [    1,    0,    0,    0,    0 ] ]
----------
[ [   -1,    1,    0,    0,    0 ],
    [    0,    1,   -1,    0,    0 ],
    [    0,    1,    0,    0,   -1 ],
    [    0,    0,    0,    1,   -1 ],
    [    0,    1,    0,    0,    0 ] ]
----------
[ [    0,    1,    0,    0,   -1 ],
    [    0,    0,    0,    1,   -1 ],
    [    0,    1,    0,    0,   -2 ],
    [    0,    0,    1,    0,   -1 ],
    [    1,    0,    0,    0,    0 ] ]
----------
[ [    0,    1,    0,   -1,    0 ],
    [    0,    1,    0,    0,   -1 ],
    [    0,    0,    1,    0,    0 ],
    [    0,    0,    1,    0,   -1 ],
    [    1,    0,    0,    0,    0 ] ]
----------
[ [    0,    0,    0,    1,   -1 ],
    [    0,    0,    1,    0,    0 ],
    [    1,   -1,    1,    1,   -1 ],
    [    0,    0,    1,    0,   -1 ],
    [    1,    0,    0,    0,    0 ] ]
----------
[ [   -1,    1,    0,    0,   -1 ],
    [    0,    1,    0,    0,   -1 ],
    [    0,    0,    0,    1,   -1 ],
    [    0,    0,    1,    0,    0 ],
    [    0,    0,    1,    0,   -1 ] ]
----------
[ [   -1,    1,    0,    0,    0 ],
    [    0,    1,    0,   -1,    0 ],
    [    0,    1,    0,    0,   -1 ],
    [    0,    1,    0,    0,    0 ],
    [    0,    0,    1,    0,    0 ] ]
----------
```

```
[[  -1,    1,    0,    0,   -1 ],
 [  -1,    1,    0,    0,    0 ],
 [   0,    1,    0,    0,   -1 ],
 [   0,    0,    0,    1,   -1 ],
 [   0,    0,    1,    0,    0 ]]
----------
[[   0,    0,   -1,    1,    0 ],
 [   0,    1,   -1,    0,    0 ],
 [   0,    0,    0,    1,   -1 ],
 [   0,    0,   -1,    1,   -1 ],
 [   1,    0,    0,    0,    0 ]]
----------
[[   1,   -1,    0,    2,    0 ],
 [   0,    0,   -1,    1,    0 ],
 [   0,    0,    0,    1,   -1 ],
 [   0,    0,    0,    1,    0 ],
 [   1,    0,    0,    0,    0 ]]
----------
[[  -1,    1,   -1,    1,    0 ],
 [   0,    0,   -1,    1,    0 ],
 [   0,    1,   -1,    0,    0 ],
 [   0,    0,    0,    1,   -1 ],
 [   0,    0,    0,    1,    0 ]]
----------
[[  -1,    1,   -1,    1,    0 ],
 [  -1,    1,    0,    0,    0 ],
 [   0,    1,   -1,    0,    0 ],
 [   0,    0,    0,    1,   -1 ],
 [   0,    0,    0,    1,    0 ]]
----------
[[   1,   -1,    0,    2,   -1 ],
 [   1,   -1,    1,    1,    0 ],
 [   0,    0,    0,    1,   -1 ],
 [   1,   -1,    1,    1,   -1 ],
 [   1,    0,    0,    0,    0 ]]
----------
[[   1,   -1,    1,    1,    0 ],
 [   0,    0,    1,    0,    0 ],
 [   2,   -1,    1,    0,    0 ],
 [   1,   -1,    1,    1,   -1 ],
 [   1,    0,    0,    0,    0 ]]
```

```
----------
[ [    0,   -1,    1,    1,    0 ],
  [    1,   -1,    1,    1,    0 ],
  [    0,    0,    0,    1,   -1 ],
  [    0,    0,    1,    0,    0 ],
  [    1,   -1,    1,    1,   -1 ] ]
----------
[ [    1,   -1,    0,    2,   -1 ],
  [    1,   -1,    0,    2,    0 ],
  [    1,   -1,    1,    1,    0 ],
  [    0,    0,    0,    1,   -1 ],
  [    1,    0,    0,    0,    0 ] ]
----------
[ [    0,   -1,    1,    1,    0 ],
  [    1,   -1,    0,    2,    0 ],
  [    1,   -1,    1,    1,    0 ],
  [    0,    0,    0,    1,   -1 ],
  [    0,    0,    0,    1,    0 ] ]
----------
[ [   -1,    0,    0,    1,    0 ],
  [    0,   -1,    1,    1,    0 ],
  [    0,    0,    0,    1,   -1 ],
  [    0,    0,    1,    0,    0 ],
  [    0,    0,    0,    1,    0 ] ]
----------
[ [   -2,    1,    0,    1,   -1 ],
  [   -1,    0,    0,    1,    0 ],
  [   -1,    1,    0,    0,    0 ],
  [    0,    0,    0,    1,   -1 ],
  [    0,    0,    1,    0,    0 ] ]
----------
[ [   -1,    1,   -1,    1,    0 ],
  [   -1,    0,    0,    1,    0 ],
  [   -1,    1,    0,    0,    0 ],
  [    0,    0,    0,    1,   -1 ],
  [    0,    0,    0,    1,    0 ] ]
----------
[ [    0,    1,   -1,   -1,    1 ],
  [    0,    1,   -1,    0,    0 ],
  [    0,    1,    0,   -1,    0 ],
  [    0,    1,    0,   -1,    1 ],
```

```
      [    1,    0,    0,    0,    0 ] ]
----------
[ [   -1,    1,    0,    0,    0 ],
  [    0,    1,   -1,    0,    0 ],
  [    0,    1,    0,   -1,    0 ],
  [    0,    1,    0,   -1,    1 ],
  [    0,    1,    0,    0,    0 ] ]
----------
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  [    0,    1,    0,   -1,    0 ],
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  [    1,    0,    0,    0,    0 ] ]
----------
[ [    1,    0,    1,   -1,    1 ],
  [    0,    1,    0,   -1,    0 ],
  [    0,    0,    1,    0,    0 ],
  [    1,    0,    1,   -1,    0 ],
  [    1,    0,    0,    0,    0 ] ]
----------
[ [    0,    0,    1,   -1,    1 ],
  [    1,    0,    1,   -1,    1 ],
  [    0,    1,    0,   -1,    0 ],
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  [    0,    0,    1,    0,    0 ] ]
----------
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  [    0,    1,   -1,   -1,    1 ],
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  [    1,    0,    0,    0,    0 ] ]
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  [    0,    1,    0,   -1,    1 ],
```

```
    [    0,    0,    0,    0,    1 ],
    [    1,    0,    0,    0,    0 ] ]
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    [    0,    1,   -1,    0,    0 ],
    [    0,    1,    0,   -1,    1 ],
    [    0,    0,    0,    0,    1 ] ]
----------
[ [   -1,    2,   -1,   -1,    1 ],
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    [    0,    0,    0,    0,    1 ] ]
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[ [    1,   -1,    1,    0,    1 ],
    [    2,   -1,    1,    0,    1 ],
```

```
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[ [  -1,    2,   -1,   -1,    1 ],
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[ [  -1,    1,   -1,    0,    0 ],
```

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[ [    0,   -1,    0,    2,    0 ],
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    [    1,    0,    0,    0,    0 ] ]
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  [    2,   -1,    1,    0,    0 ] ]
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  [    1,   -1,    0,    2,    0 ],
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  [    0,    0,    0,    0,    1 ] ]
```

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  [   -1,    1,    0,    0,    0 ],
```

```
       [    0,    0,    0,    0,    1 ] ]
----------
[ [    0,    0,    0,    0,    1 ],
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  [   -1,    0,    0,    0,    0 ] ]
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  [    0,    1,   -1,    0,   -1 ] ]
----------
[ [   -1,    1,    0,    0,    0 ],
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  [    0,    1,   -1,    0,    0 ],
```

```
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----------
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   [    0,    0,    0,    1,   -1 ] ]
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   [    0,    1,    0,    0,   -2 ],
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----------
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   [    0,    0,    0,    1,   -2 ],
   [    0,    1,    0,    0,   -2 ],
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   [    1,    0,    0,    0,    0 ] ]
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   [    0,    0,    1,    0,   -1 ] ]
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   [    1,    0,    0,    0,    0 ] ]
----------
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   [    0,    0,    1,    0,   -1 ] ]
----------
[ [    0,    0,    0,    1,   -1 ],
   [    0,    0,    0,    1,   -2 ],
```

```
  [    1,   -1,    1,    1,   -1 ],
  [    0,    0,    1,    0,   -1 ],
  [    1,    0,    0,    0,    0 ] ]
----------
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  [    1,   -1,    1,    1,   -1 ],
  [    0,    0,    1,    0,   -1 ],
  [    1,    0,    0,    0,    0 ] ]
----------
[ [    0,    0,    0,    1,   -1 ],
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  [    1,   -1,    1,    1,   -1 ],
  [    0,    0,    1,    0,   -1 ] ]
----------
[ [   -1,    0,    0,    1,   -1 ],
  [   -1,    1,    0,    0,   -1 ],
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----------
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  [    0,    0,    1,    0,    0 ] ]
----------
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  [    0,    0,    0,    1,   -1 ] ]
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  [   -1,    1,    0,    0,    0 ],
  [    0,    0,    0,    1,   -1 ],
  [    0,    0,    1,    0,    0 ] ]
----------
[ [    0,    1,   -1,    0,    0 ],
```

```
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----------
```

```
[ [  -1,    1,  -1,    1,  -1 ],
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  [    1,  -1,    1,    1,  -1 ] ]
```

```
----------
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  [   -1,    1,    0,    0,    0 ],
```

```
     [    0,    0,    0,    1,   -1 ] ]
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  [    0,    0,    1,    0,    0 ] ]
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----------
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[ [   -1,    2,   -1,   -1,    1 ],
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  [    1,    0,    1,   -1,    1 ],
```

```
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[ [  -1,    1,    0,   -1,    0 ],
  [  -1,    1,    0,   -1,    1 ],
```

```
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----------
[ [   -1,    1,    0,   -1,    1 ],
```

```
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  [    2,    -1,     1,     0,     0 ] ]
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  [   0,    1,    0,   -1,    1 ],
  [   0,    0,    0,    0,    1 ] ]
```

```
----------
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----------
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----------
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----------
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  [    0,    0,   -1,    0,    1 ],
```

```
       [   0,    0,   -1,    0,    0 ] ]
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----------
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  [    1,   -1,    0,    2,    0 ],
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  [    0,    0,    0,    0,    1 ] ]
----------
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  [    0,    0,   -1,    1,    0 ],
```

```
       [    0,    0,    0,    1,    0 ],
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----------
[ [   -1,    1,   -1,    1,   -1 ],
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  [    0,    1,   -1,    0,    0 ] ]
----------
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  [    0,    0,    0,    0,    1 ] ]
----------
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  [    0,    1,   -1,    0,    0 ] ]
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----------
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  [    1,   -1,    0,    1,    0 ],
```

```
  [   1,  -1,   0,   1,   1 ],
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----------
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----------
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----------
[ [   1,  -1,   0,   1,   0 ],
```

```
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----------
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----------
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----------
```

```
[ [  -1,    1,   -1,    0,    0 ],
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[ [  -1,    1,    0,    0,   -1 ],
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```

```
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  [    0,    1,   -1,    0,   -1 ] ]
----------
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  [    0,    1,   -1,    0,   -1 ],
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  [    0,    0,   -1,    1,   -1 ],
  [    0,    1,   -1,    0,   -1 ] ]
----------
[ [    0,    0,    0,    1,   -1 ],
  [    0,    0,    0,    1,   -2 ],
  [    0,    1,    0,    0,   -2 ],
  [    0,    1,   -1,    0,   -1 ],
```

```
         [    1,    0,    0,    0,    0 ] ]
----------
[ [   -1,    1,    0,    0,   -1 ],
  [    0,    1,    0,    0,   -1 ],
  [    0,    0,    0,    1,   -1 ],
  [    0,    1,    0,    0,   -2 ],
  [    0,    1,   -1,    0,   -1 ] ]
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  [    0,    1,   -1,    0,   -1 ] ]
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  [    0,    0,    0,    1,   -1 ],
  [    0,    1,   -1,    0,   -1 ] ]
----------
[ [   -1,    2,   -1,    0,   -1 ],
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  [    0,    1,    0,   -1,    0 ],
  [    0,    1,   -1,    0,    0 ],
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[ [   -1,    1,   -1,    1,   -1 ],
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  [   -1,    1,    0,    0,    0 ],
  [    0,    1,   -1,    0,    0 ],
  [    0,    0,    0,    1,   -1 ] ]
----------
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  [    0,    1,    0,    0,   -2 ],
  [    0,    0,    1,    0,   -1 ],
  [    1,    0,    0,    0,    0 ] ]
----------
[ [   -1,    1,    0,    0,   -1 ],
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  [    0,    1,    0,    0,   -1 ],
```

```
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       [    0,    0,    1,    0,  -1 ] ]
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  [    0,    1,    0,    0,  -2 ],
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  [    0,    0,    1,    0,  -1 ] ]
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  [    0,    0,    0,    1,  -1 ],
  [    0,    1,    0,    0,  -2 ],
  [    0,    0,    1,    0,  -1 ] ]
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  [    1,    0,    0,    0,   0 ] ]
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  [    1,    0,    0,    0,   0 ] ]
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  [    1,    0,    1,   -1,   0 ],
  [    0,    0,    1,    0,  -1 ],
  [    0,    0,    1,   -1,   0 ] ]
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[ [   -1,    1,    0,   -1,   0 ],
  [   -1,    1,    0,    0,  -1 ],
```

```
   [    0,    1,    0,   -1,    0 ],
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   [    1,   -1,    1,    1,   -1 ],
   [    0,    0,    1,    0,   -1 ] ]
----------
[ [   -1,    0,    0,    1,   -1 ],
```

```
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      [    0,    0,    1,    0,   -1 ]]
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[[   -1,    2,   -1,    0,   -1 ],
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[[   -1,    1,    0,   -1,    0 ],
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[[   -1,    1,   -1,    1,   -1 ],
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[[   -1,    1,   -1,    1,   -1 ],
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----------
```

```
[ [  -1,    0,    0,    1,   -1 ],
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  [   0,    0,   -1,    1,   -1 ] ]
```

```
----------
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  [   1,   -1,    0,    2,   -1 ],
  [   1,   -1,    1,    1,    0 ],
```

```
       [    1,   -1,    1,    1,   -1 ] ]
----------
[ [    1,   -2,    1,    3,   -2 ],
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  [    1,   -1,    0,    2,   -2 ],
  [    1,   -1,    1,    1,   -1 ] ]
----------
[ [    1,   -2,    1,    3,   -2 ],
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  [    0,    0,    0,    1,   -1 ],
  [    1,   -1,    1,    1,   -1 ] ]
----------
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  [    1,   -1,    1,    1,   -1 ],
  [    1,    0,    0,    0,    0 ] ]
----------
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  [    1,   -1,    1,    0,    0 ],
  [    2,   -1,    1,    0,    0 ],
  [    1,   -1,    1,    1,   -1 ] ]
----------
[ [    1,   -1,    0,    1,    0 ],
  [    0,   -1,    1,    1,    0 ],
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  [    1,   -1,    1,    0,    0 ],
  [    1,   -1,    1,    1,   -1 ] ]
----------
[ [    0,   -1,    1,    1,    0 ],
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  [    1,   -1,    1,    1,   -1 ] ]
----------
[ [    1,   -2,    1,    3,   -2 ],
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  [    0,    0,    0,    1,   -1 ],
```

```
        [    0,   -1,    1,    1,   -1 ],
        [    1,   -1,    1,    1,   -1 ] ]
----------
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----------
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----------
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----------
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----------
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----------
[ [   -2,    1,   -1,    2,   -2 ],
        [   -1,    1,   -1,    1,   -1 ],
```

```
  [   -2,    1,    0,    1,   -1 ],
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----------
[ [   -2,    1,   -1,    2,   -2 ],
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----------
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  [    0,    1,    0,   -1,    1 ] ]
----------
[ [   -1,    2,   -1,   -1,    0 ],
```

```
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----------
```

```
[ [    1,    1,    0,   -2,    1 ],
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  [    1,    0,    1,   -1,    0 ] ]
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  [    0,    0,    1,   -1,    0 ] ]
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  [    0,    0,    1,   -1,    1 ],
  [    0,    1,    0,   -1,    0 ],
  [    0,    1,    0,   -1,    1 ] ]
```

```
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  [  -1,    1,    0,   -1,    1 ],
  [   0,    0,    1,   -1,    1 ],
  [   0,    1,    0,   -1,    0 ],
  [   0,    0,    1,    0,    0 ] ]
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  [  -1,    1,    0,   -1,    1 ],
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  [   0,    1,    0,   -1,    0 ] ]
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  [   0,    0,   -1,    0,    1 ],
  [   0,    0,    0,    0,    1 ],
```

```
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```

```
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  [    1,    1,    0,   -2,    2 ],
  [    1,    0,    1,   -1,    1 ] ]
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  [    1,    1,    0,   -2,    2 ],
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  [    1,    0,    0,   -1,    1 ],
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----------
[ [   0,   -1,    1,    0,    1 ],
```

```
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----------
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     [   -1,    1,    0,   -1,    1 ],
     [   -1,    1,    0,    0,    0 ] ]
----------
```

```
[ [  -1,    1,   -1,    0,    0 ],
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  [  -1,    1,    0,    0,    0 ] ]
----------
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  [  -1,    1,    0,   -1,    0 ],
  [  -1,    0,    0,    0,    0 ] ]
----------
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  [  -2,    1,    0,    0,    0 ],
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  [   0,    0,   -1,    0,    0 ] ]
```

```
----------
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----------
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  [   1,    -1,     0,     1,     1 ],
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  [   1,     0,     0,     0,     0 ] ]
----------
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  [   1,    -1,     0,     1,     1 ],
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  [   1,    -1,     0,     1,     1 ],
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----------
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----------
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  [  -1,     1,   -1,     0,     0 ],
  [   0,     0,   -1,     0,     1 ],
```

```
 [    0,    0,    0,    0,    1 ] ]
----------
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  [    1,   -1,    0,    1,    1 ],
  [    1,   -1,    0,    2,    0 ],
  [    0,    0,   -1,    1,    0 ] ]
----------
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  [    1,   -1,    0,    1,    1 ],
  [    0,    0,   -1,    1,    0 ],
  [    0,    0,    0,    0,    1 ] ]
----------
[ [   -1,   -1,    0,    2,    0 ],
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  [    2,   -1,    0,    0,    0 ],
```

```
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----------
[ [    0,   -1,    0,    2,    0 ],
   [    0,   -1,    1,    1,    0 ],
```

```
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[ [    0,   -1,    0,    1,    1 ],
```

```
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```

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```

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```

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[ [   -1,    1,   -1,    1,   -2 ],
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```

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[ [    1,    0,    0,    0,    0 ],
```

```
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----------
```

```
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```

```
----------
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----------
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```

```
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  [   -1,    1,    0,    0,   -1 ],
```

```
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[ [   -2,    1,   -1,    2,  -2 ],
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```

```
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[ [   -1,    0,   -1,    2,   -1 ],
```

```
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    [    0,    0,   -1,    1,    0 ],
    [    0,    0,    0,    1,   -1 ],
    [    0,    0,   -1,    1,   -1 ] ]
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    [   -1,    1,   -1,    1,   -1 ],
    [    0,    0,   -1,    1,    0 ],
    [    0,    0,   -1,    1,   -1 ] ]
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    [   -1,    1,   -1,    1,   -1 ],
    [    0,    0,    0,    1,   -1 ],
    [    0,    0,   -1,    1,   -1 ] ]
----------
[ [    0,   -1,    0,    2,    0 ],
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    [    1,   -1,    0,    2,    0 ],
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----------
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    [    0,    0,   -1,    1,    0 ],
    [    0,    0,    0,    1,   -1 ] ]
----------
[ [   -1,   -1,    0,    3,   -1 ],
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    [    0,    0,   -1,    1,    0 ],
    [    0,    0,    0,    1,   -1 ] ]
----------
[ [   -1,    0,   -1,    2,   -1 ],
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    [   -1,    1,   -1,    1,   -1 ],
    [    0,    0,   -1,    1,    0 ],
    [    0,    0,    0,    1,   -1 ] ]
----------
```

```
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  [    1,   -1,    0,    1,   -1 ],
  [    1,   -1,    0,    2,   -2 ],
  [    1,   -1,    1,    1,   -1 ],
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  [    1,   -1,    0,    2,   -1 ],
  [    1,   -1,    0,    2,   -2 ],
  [    1,   -1,    1,    1,   -1 ] ]
----------
[ [    1,   -2,    1,    3,   -2 ],
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  [    1,   -1,    0,    2,   -1 ],
  [    1,   -1,    1,    1,   -1 ] ]
----------
[ [    1,   -2,    1,    3,   -2 ],
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  [    1,   -1,    0,    2,   -2 ],
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  [    1,   -1,    0,    2,   -1 ],
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  [    1,   -1,    0,    2,   -2 ] ]
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  [    1,   -1,    0,    1,   -1 ],
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  [    1,   -1,    1,    1,   -1 ] ]
```

```
----------
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  [    1,   -1,    1,    1,   -1 ] ]
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  [    1,   -1,    1,    1,   -1 ] ]
----------
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  [    0,   -1,    1,    1,    0 ],
  [    0,    0,    0,    1,   -1 ],
```

```
    [    0,   -1,    1,    1,   -1 ]]
----------
[[    0,   -1,    0,    2,    0 ],
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 [    1,   -1,    0,    2,   -1 ],
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[[   -1,    0,   -1,    2,   -1 ],
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 [   -1,    0,    0,    1,   -1 ],
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[[    0,   -1,    0,    2,   -1 ],
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 [   -1,    1,   -1,    1,   -1 ],
```

```
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[ [   -2,    1,   -1,    1,   -1 ],
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----------
[ [    1,    1,    0,   -2,    1 ],
    [    0,    1,    0,   -1,    0 ],
```

```
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  [    0,    1,    0,   -1,    0 ],
  [    0,    1,   -1,   -1,    0 ]]
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  [    0,    1,   -1,   -1,    1 ],
  [    1,    0,    0,    0,    0 ]]
----------
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  [    1,    1,    0,   -2,    1 ],
  [    1,    1,    0,   -2,    2 ],
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  [    0,    1,    0,   -1,    0 ]]
----------
[[   -1,    1,    0,   -1,    1 ],
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  [    0,    1,   -1,   -1,    1 ],
  [    0,    1,    0,   -1,    0 ],
  [    0,    1,    0,   -1,    1 ]]
----------
[[   -1,    1,    0,   -1,    1 ],
```

```
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    [    0,    1,    0,   -1,    0 ] ]
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[ [    0,    0,    1,   -1,    1 ],
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    [    1,    1,    0,   -2,    1 ],
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    [    1,    0,    1,   -1,    1 ] ]
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    [    0,    1,    0,   -1,    0 ] ]
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[ [    1,    0,    0,   -1,    1 ],
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    [    1,    1,    0,   -2,    0 ],
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----------
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----------
[ [    1,    1,    1,   -3,    1 ],
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    [    1,    0,    1,   -1,    0 ] ]
----------
[ [    1,    1,    1,   -3,    1 ],
    [    0,    0,    1,   -1,    1 ],
    [    1,    1,    0,   -2,    1 ],
    [    0,    1,    0,   -1,    0 ],
    [    1,    0,    1,   -1,    0 ] ]
----------
```

```
[ [   1,    0,    0,   -1,    1 ],
  [   2,   -1,    1,    0,    0 ],
  [   1,    0,    1,   -1,    0 ],
  [   1,    0,    0,    0,    0 ],
  [   1,    0,    0,   -1,    0 ] ]
----------
[ [   2,   -1,    2,   -1,    1 ],
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  [   1,    0,    1,   -1,    1 ],
  [   2,   -1,    1,    0,    0 ],
  [   1,    0,    1,   -1,    0 ] ]
----------
[ [   2,   -1,    2,   -1,    1 ],
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  [   1,   -1,    1,    0,    0 ],
  [   2,   -1,    1,    0,    0 ],
  [   1,    0,    1,   -1,    0 ] ]
----------
[ [   1,    0,    0,   -1,    1 ],
  [   2,   -1,    2,   -1,    1 ],
  [   0,    0,    1,   -1,    1 ],
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  [   1,    0,    1,   -1,    0 ] ]
----------
[ [   2,   -1,    2,   -1,    1 ],
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  [   0,    0,    1,    0,    0 ],
  [   1,   -1,    1,    0,    0 ],
  [   1,    0,    1,   -1,    0 ] ]
----------
[ [   1,    1,    1,   -3,    1 ],
  [   0,    0,    1,   -1,    1 ],
  [   0,    1,    0,   -1,    0 ],
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----------
[ [   0,    0,    1,   -1,    1 ],
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  [   1,    0,    1,   -1,    0 ],
  [   0,    0,    1,   -1,    0 ] ]
```

```
----------
[ [   -1,    1,    0,   -1,    0 ],
  [    0,    0,    1,   -1,    1 ],
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  [    0,    0,    1,    0,    0 ],
  [    0,    0,    1,   -1,    0 ] ]
----------
[ [   -1,    2,    0,   -3,    2 ],
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  [   -1,    1,    0,   -1,    1 ],
  [    0,    0,    1,   -1,    1 ],
  [    0,    1,    0,   -1,    0 ] ]
----------
[ [   -1,    2,    0,   -3,    2 ],
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  [   -1,    1,    0,   -1,    1 ],
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  [    0,    1,    0,   -1,    0 ] ]
----------
[ [   -1,    1,   -1,    0,    0 ],
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  [   -1,    1,    0,   -1,    1 ],
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  [    0,    1,    0,   -1,    0 ] ]
----------
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  [    0,    0,   -1,    0,    0 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
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  [    0,    1,   -1,   -1,    1 ],
  [    0,    0,   -1,    0,    1 ],
```

```
   [    0,    0,   -1,    0,    0 ] ]
----------
[ [   -1,    1,   -1,   -1,    1 ],
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  [    0,    0,   -1,    0,    1 ],
  [    0,    0,   -1,    0,    0 ] ]
----------
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  [    1,    0,    0,   -1,    2 ],
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  [    1,    0,    0,    0,    0 ] ]
----------
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  [    1,    0,    0,   -1,    2 ],
  [    0,    0,   -1,    0,    1 ],
  [    0,    1,   -1,   -1,    1 ] ]
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  [    1,    0,    0,   -1,    2 ],
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  [    1,    0,    0,   -1,    2 ],
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  [    0,    0,    0,    0,    1 ] ]
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  [   -1,    1,   -1,   -1,    1 ],
  [   -1,    1,   -1,    0,    0 ],
```

```
      [    0,    0,   -1,    0,    1 ],
      [    0,    0,    0,    0,    1 ] ]
----------
[ [    0,    1,    0,   -2,    2 ],
      [    1,    0,    0,   -1,    1 ],
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      [    1,    1,    0,   -2,    2 ],
      [    0,    1,   -1,   -1,    1 ] ]
----------
[ [    0,    0,    0,   -1,    2 ],
      [    0,    1,    0,   -2,    2 ],
      [    1,    0,    0,   -1,    2 ],
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      [    0,    0,    0,    0,    1 ] ]
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[ [   -1,    1,    0,   -2,    2 ],
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      [    0,    0,    0,    0,    1 ] ]
----------
[ [   -1,    1,    0,   -1,    1 ],
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[ [   -1,    1,   -1,   -1,    1 ],
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[ [   -1,    2,   -1,    0,   -1 ],
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      [   -1,    1,    0,    0,    0 ],
      [    0,    1,   -1,    0,    0 ] ]
----------
[ [    0,    1,    0,   -2,    2 ],
      [    0,    0,    1,   -1,    1 ],
```

```
    [    1,     0,     0,    -1,     1 ],
    [    1,     0,     0,    -1,     2 ],
    [    1,     1,     0,    -2,     2 ] ]
----------
[ [    0,     0,     0,    -1,     2 ],
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    [    0,     0,     1,    -1,     1 ],
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    [    2,    -1,     0,     0,     0 ],
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    [    1,     0,     0,     0,     0 ] ]
----------
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    [    1,     0,     0,    -1,     1 ],
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    [    2,    -1,     1,     0,     0 ] ]
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    [    1,     0,     0,    -1,     1 ],
    [    1,     0,     1,    -1,     1 ],
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    [    1,     0,     0,     0,     0 ] ]
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[ [    1,    -1,     1,     0,     1 ],
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    [    1,     0,     0,    -1,     1 ],
    [    1,     0,     0,    -1,     2 ],
    [    2,    -1,     1,     0,     1 ] ]
----------
[ [    1,    -1,     0,     0,     2 ],
```

```
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    [    1,    0,    0,   -1,    2 ],
    [    0,    0,    0,    0,    1 ] ]
----------
[ [    2,   -1,    1,   -1,    1 ],
    [    1,    0,    0,   -1,    1 ],
    [    2,   -1,    2,   -1,    1 ],
    [    1,   -1,    1,    0,    1 ],
    [    0,    0,    1,   -1,    1 ] ]
----------
[ [    2,   -1,    1,   -1,    1 ],
    [    2,   -1,    2,   -1,    1 ],
    [    1,   -1,    1,    0,    1 ],
    [    0,    0,    1,   -1,    1 ],
    [    1,   -1,    1,    0,    0 ] ]
----------
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    [    1,   -1,    1,    0,    1 ],
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----------
[ [    1,   -1,    0,    0,    2 ],
    [    1,   -1,    1,   -1,    3 ],
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    [    1,   -1,    1,    0,    1 ],
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----------
[ [    0,    0,    0,   -1,    2 ],
    [    1,   -1,    1,   -1,    3 ],
    [    1,    0,    0,   -1,    2 ],
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----------
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    [    0,   -1,    1,    0,    1 ],
    [    1,   -1,    1,    0,    1 ],
    [    0,    0,    1,   -1,    1 ],
    [    1,   -1,    1,    0,    0 ] ]
----------
```

```
[ [   0,  -1,   1,   0,   1 ],
  [   0,   0,   1,  -1,   1 ],
  [   0,   0,   1,   0,   0 ],
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  [   0,  -1,   1,   0,   0 ] ]
----------
[ [   1,  -1,   1,  -1,   2 ],
  [   1,  -1,   1,  -1,   3 ],
  [   0,  -1,   1,   0,   1 ],
  [   1,  -1,   1,   0,   1 ],
  [   0,   0,   1,  -1,   1 ] ]
----------
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  [   1,  -1,   1,  -1,   3 ],
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  [   1,  -1,   1,   0,   1 ],
  [   0,   0,   0,   0,   1 ] ]
----------
[ [   0,   0,   0,  -1,   2 ],
  [   1,  -1,   1,  -1,   3 ],
  [   0,  -1,   1,   0,   1 ],
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  [   0,   0,   0,   0,   1 ] ]
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  [   0,   0,   1,  -1,   1 ],
  [   0,  -1,   1,   0,   1 ],
  [  -1,   0,   0,   0,   0 ] ]
----------
[ [   0,   0,   1,   0,   0 ],
  [   0,   0,   1,  -1,   1 ],
  [   0,  -1,   1,   0,   1 ],
  [   0,  -1,   1,   0,   0 ],
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  [   0,   1,   0,  -2,   2 ],
  [  -1,   1,   0,  -1,   1 ],
  [   0,   0,   1,  -1,   1 ] ]
```

```
----------
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  [   -1,    1,    0,   -2,    2 ],
  [    0,    1,    0,   -2,    2 ],
  [    0,    0,    1,   -1,    1 ],
  [    0,    0,    0,    0,    1 ] ]
----------
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  [   -1,    1,    0,   -2,    2 ],
  [    0,    0,    0,    0,    1 ],
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  [   -1,    0,    0,    0,    0 ] ]
----------
[ [   -1,    1,   -1,   -1,    1 ],
  [   -1,    1,    0,   -2,    2 ],
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  [   -1,    1,    0,   -1,    1 ],
  [   -1,    0,    0,    0,    0 ] ]
----------
[ [   -1,    1,    0,   -1,    0 ],
  [   -1,    1,    0,   -2,    2 ],
  [    0,    0,    1,   -1,    1 ],
  [   -1,    1,    0,   -1,    1 ],
  [   -1,    0,    0,    0,    0 ] ]
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[ [   -1,    1,    0,   -1,    0 ],
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  [   -1,    1,    0,   -1,    0 ],
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  [   -1,    1,    0,   -1,    1 ] ]
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[ [   -1,    1,    0,    0,   -1 ],
  [   -1,    1,   -1,    0,    0 ],
  [   -1,    1,    0,   -1,    0 ],
  [   -2,    1,    0,    0,    0 ],
```

```
     [   -1,    1,    0,    0,    0 ] ]
----------
[ [   -2,    1,    0,    0,   -1 ],
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  [   -2,    1,    0,    0,    0 ],
  [   -1,    1,    0,   -1,    0 ],
  [   -1,    0,    0,    0,    0 ] ]
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  [   -1,    1,    0,   -1,    1 ],
  [   -2,    1,    0,    0,    0 ],
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  [   -1,    0,    0,    0,    0 ] ]
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  [   -1,    1,    0,    0,   -1 ],
  [   -1,    1,    0,   -1,    0 ],
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[ [   -1,    1,   -1,   -1,    1 ],
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  [    0,    0,    0,    0,    1 ] ]
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[ [   -1,    1,   -1,   -1,    1 ],
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  [   -1,    1,    0,   -1,    1 ],
  [   -1,    0,    0,    0,    0 ] ]
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  [    2,   -1,    0,    0,    0 ],
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  [    0,    0,   -1,    0,    0 ] ]
----------
[ [    1,   -1,    0,    0,    1 ],
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  [    1,   -1,    0,    1,    0 ],
```

```
     [    0,    0,   -1,    0,    1 ],
     [    0,    0,   -1,    0,    0 ] ]
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[ [    1,   -1,    0,    0,    1 ],
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     [    0,    0,   -1,    0,    0 ] ]
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[ [   -1,    0,   -1,    1,    0 ],
     [    0,   -1,    0,    1,    0 ],
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     [    0,    0,   -1,    0,    0 ] ]
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[ [   -2,    1,   -1,    0,    0 ],
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     [    0,    0,   -1,    0,    0 ] ]
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[ [    2,   -1,    0,    0,    1 ],
     [    2,   -1,    0,    0,    2 ],
     [    1,   -1,    0,    1,    0 ],
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     [    1,    0,    0,    0,    0 ] ]
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     [    1,   -1,    0,    1,    1 ],
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[ [    1,   -1,    0,    0,    2 ],
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     [    0,    0,   -1,    0,    1 ] ]
----------
[ [    0,   -1,    0,    1,    0 ],
     [    0,   -1,    0,    1,    1 ],
```

```
   [   1,  -1,    0,    1,    0 ],
   [   0,    0,  -1,    0,    1 ],
   [   0,    0,  -1,    1,    0 ] ]
----------
[ [   0,  -1,    0,    0,    2 ],
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   [   0,  -1,    0,    1,    1 ],
   [   0,    0,  -1,    0,    1 ],
   [   0,    0,    0,    0,    1 ] ]
----------
[ [   0,  -1,    0,    1,    0 ],
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   [   0,  -1,    0,    1,    1 ],
   [   0,    0,  -1,    0,    1 ],
   [   0,    0,  -1,    1,    0 ] ]
----------
[ [   0,    0,    0,    0,    1 ],
   [   0,    0,  -1,    0,    1 ],
   [   0,  -1,    0,    1,    1 ],
   [  -1,    0,  -1,    1,    0 ],
   [  -1,    0,    0,    0,    0 ] ]
----------
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----------
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   [   1,  -1,    0,    1,    0 ],
   [   1,  -1,    0,    1,    1 ],
   [   0,    0,  -1,    1,    0 ] ]
----------
[ [  -1,  -1,    0,    2,    0 ],
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   [   0,  -1,    0,    2,    0 ],
   [   0,    0,  -1,    1,    0 ],
   [   0,    0,    0,    0,    1 ] ]
----------
[ [  -1,  -1,    0,    3,  -1 ],
```

```
    [   -1,   -1,    0,    2,    0 ],
    [   -1,    0,    0,    1,    0 ],
    [    0,   -1,    0,    2,    0 ],
    [    0,    0,   -1,    1,    0 ] ]
----------
[ [   -1,    0,   -1,    1,    0 ],
    [   -1,   -1,    0,    2,    0 ],
    [   -1,    0,    0,    1,    0 ],
    [    0,    0,   -1,    1,    0 ],
    [    0,    0,    0,    0,    1 ] ]
----------
[ [   -1,    0,   -1,    2,   -1 ],
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    [   -1,    1,   -1,    1,   -1 ],
    [   -1,    1,   -1,    0,    0 ],
    [    0,    0,   -1,    1,    0 ] ]
----------
[ [   -1,    0,   -1,    2,   -1 ],
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    [   -1,    0,    0,    1,    0 ],
    [   -1,    1,   -1,    0,    0 ],
    [    0,    0,   -1,    1,    0 ] ]
----------
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    [    2,   -1,    1,    0,    0 ] ]
----------
[ [    3,   -2,    1,    0,    1 ],
    [    1,   -1,    1,    0,    1 ],
    [    2,   -1,    0,    0,    1 ],
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[ [    3,   -2,    1,    0,    1 ],
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    [    1,   -1,    0,    1,    0 ],
    [    1,   -1,    1,    0,    0 ],
    [    2,   -1,    1,    0,    0 ] ]
----------
```

```
[ [    2,   -1,    1,   -1,    1 ],
  [    2,   -1,    2,   -1,    1 ],
  [    1,   -1,    1,    0,    1 ],
  [    1,   -1,    1,    0,    0 ],
  [    2,   -1,    1,    0,    0 ] ]
----------
[ [    1,   -1,    1,    0,    1 ],
  [    2,   -1,    0,    0,    1 ],
  [    2,   -1,    0,    0,    2 ],
  [    1,   -1,    0,    1,    0 ],
  [    2,   -1,    1,    0,    1 ] ]
----------
[ [    1,   -1,    0,    0,    2 ],
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  [    1,   -1,    1,    0,    0 ] ]
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[ [    1,   -2,    1,    1,    0 ],
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[ [    1,   -1,    0,    0,    1 ],
  [    1,   -2,    1,    1,    1 ],
  [    0,   -1,    1,    0,    1 ],
  [    1,   -1,    1,    0,    1 ],
  [    1,   -1,    1,    0,    0 ] ]
```

```
----------
[ [    1,   -2,    1,    1,    0 ],
  [    1,   -2,    1,    1,    1 ],
  [    0,   -1,    1,    0,    1 ],
  [    0,   -1,    1,    1,    0 ],
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----------
[ [    1,   -2,    1,    1,    0 ],
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  [    0,   -1,    1,    1,    0 ],
  [    1,   -1,    1,    0,    0 ],
  [    0,   -1,    1,    0,    0 ] ]
----------
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  [    1,   -1,    0,    1,    0 ],
  [    1,   -1,    0,    1,    1 ],
  [    1,   -1,    1,    0,    1 ] ]
----------
[ [    0,   -1,    0,    1,    1 ],
  [    1,   -2,    1,    1,    2 ],
  [    1,   -1,    0,    1,    0 ],
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  [    0,   -1,    1,    1,    0 ] ]
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  [    1,   -2,    1,    1,    2 ],
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  [    1,   -2,    1,    1,    2 ],
  [    0,   -1,    1,    0,    1 ],
```

```
        [    1,   -1,    1,    0,    1 ] ]
----------
[ [    0,   -1,    0,    1,    1 ],
  [    1,   -2,    1,    1,    1 ],
  [    1,   -2,    1,    1,    2 ],
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  [    0,   -1,    1,    1,    0 ] ]
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  [    1,   -2,    1,    1,    2 ],
  [    0,   -1,    1,    0,    1 ],
  [    0,    0,    0,    0,    1 ] ]
----------
[ [    0,   -1,    0,    0,    2 ],
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  [    0,   -1,    1,    0,    1 ],
  [   -1,    0,    0,    0,    0 ] ]
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  [    0,   -1,    1,    1,    0 ],
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  [   -1,    0,    0,    0,    0 ] ]
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  [    0,   -1,    1,    1,   -1 ],
  [    0,   -1,    1,    0,    0 ],
  [   -1,    0,    0,    0,    0 ] ]
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  [    0,   -1,    1,    0,    1 ],
  [    0,   -1,    1,    0,    0 ],
  [   -1,    0,    0,    0,    0 ] ]
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[ [   -1,    0,   -1,    1,    0 ],
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  [   -1,   -1,    0,    2,    0 ],
```

```
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    [    -1,     0,     0,     0,     0 ] ]
----------
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  [    -1,     0,     0,     0,     0 ] ]
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  [    -1,     0,     0,     0,     0 ] ]
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  [    -1,     0,     0,     0,     0 ] ]
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[ [    -1,    -1,     0,     2,    -1 ],
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  [     0,    -1,     1,     1,     0 ] ]
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```

```
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  [  -1,    0,    0,    0,    0 ] ]
----------
[ [  -2,    1,    0,    0,   -1 ],
```

```
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    [  -1,    0,    0,    0,    0 ] ]
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[ [   -1,    2,   -1,   -1,   -1 ],
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----------
[ [    0,    1,   -1,    0,   -1 ],
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----------
[ [   -1,    1,   -1,    0,    0 ],
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    [    0,    1,   -1,    0,   -1 ],
    [    0,    1,   -1,   -1,    0 ] ]
----------
```

```
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  [   0,    1,   -1,    0,   -1 ],
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  [   0,    1,    0,    0,   -2 ],
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  [   0,    1,   -1,    0,   -1 ] ]
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[ [  -1,    1,   -1,    0,   -1 ],
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  [   0,    0,    0,    0,   -1 ] ]
```

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  [    1,   -1,    0,    2,   -2 ],
  [    0,    0,    0,    1,   -2 ],
```

```
    [    0,    0,   -1,    1,   -1 ] ]
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[ [   -1,    1,   -1,    1,   -2 ],
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  [    0,    1,    0,    0,   -2 ],
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[ [   -1,    1,    0,    1,   -3 ],
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[ [   -1,    1,   -1,    1,   -2 ],
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  [    0,    1,   -1,    0,   -1 ] ]
----------
[ [   -1,    1,    0,    1,   -3 ],
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  [    0,    1,   -1,    0,   -1 ] ]
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[ [   -1,    1,   -1,    1,   -2 ],
  [   -1,    1,    0,    1,   -3 ],
  [   -1,    1,    0,    0,   -1 ],
```

```
     [    0,    0,    0,    1,   -1 ],
     [    0,    1,   -1,    0,   -1 ] ]
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     [   -1,    1,   -1,    1,   -1 ],
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     [    0,    1,   -1,    0,   -1 ] ]
----------
[ [   -1,    1,    0,    0,   -2 ],
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     [    0,    1,    0,    0,   -2 ],
     [    0,    1,    0,   -1,   -1 ],
     [    0,    0,    0,    0,   -1 ] ]
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[ [   -1,    2,    0,   -1,   -2 ],
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     [    0,    0,    1,    0,   -1 ] ]
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----------
[ [   -1,    0,    0,    1,   -2 ],
     [   -1,    1,    0,    0,   -2 ],
```

```
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----------
[ [   -1,    0,    0,    1,   -1 ],
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  [   -1,    1,    0,    0,   -2 ],
  [    0,    0,    0,    1,   -2 ],
  [    0,    0,    1,    0,   -1 ] ]
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[ [   -1,    1,   -1,    1,   -2 ],
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  [    0,    0,    0,    1,   -2 ] ]
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  [    0,    1,    0,   -1,   -1 ],
  [    0,    0,    0,    0,   -1 ] ]
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[ [   -1,    1,    0,   -1,    0 ],
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  [    0,    0,    1,    0,   -1 ],
  [    0,    0,    1,   -1,    0 ] ]
----------
[ [    1,    0,    0,    0,    0 ],
```

```
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     [    2,   -1,    1,    0,    0 ],
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  [    1,   -1,    1,    0,    0 ],
  [    0,    0,    1,   -1,    0 ],
  [    0,    0,    0,    0,   -1 ] ]
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  [    0,    0,    1,    0,   -1 ],
  [    0,   -1,    1,    0,    0 ],
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[ [   -1,    2,    0,   -1,   -2 ],
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[ [   -1,    2,   -1,   -1,   -1 ],
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  [    0,    1,    0,   -1,    0 ] ]
----------
```

```
[ [  -2,    1,    0,    0,   -1 ],
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  [  -1,    1,    0,    0,   -2 ],
  [   0,    0,    1,    0,   -1 ] ]
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  [   0,    0,    1,    0,   -1 ],
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----------
[ [   1,   -1,    0,    1,   -1 ],
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  [   1,   -1,    1,    1,   -1 ],
  [   0,    0,    0,    0,   -1 ] ]
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[ [   0,   -1,    1,    1,   -1 ],
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[ [  -1,    0,    0,    1,   -2 ],
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  [   0,    0,    0,    1,   -2 ],
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[ [   0,    0,    0,    1,   -1 ],
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  [  -1,    0,    0,    1,   -2 ],
  [   0,   -1,    1,    1,   -1 ],
  [   0,    0,    0,    1,   -2 ],
  [   0,    0,    1,    0,   -1 ] ]
```

```
----------
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  [    0,     0,     0,     1,   -1 ],
  [    0,    -1,     0,     2,   -2 ],
  [    0,    -1,     1,     1,   -1 ],
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  [    1,     0,     0,     0,     0 ],
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  [    1,    -1,     0,     1,   -1 ],
  [    1,    -1,     1,     1,   -1 ],
  [    2,    -1,     1,     0,     0 ],
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  [    0,    -1,     1,     1,   -1 ],
```

```
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[ [  -1,    1,   -1,    1,   -2 ],
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  [  -1,    0,    0,    0,    0 ] ]
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  [  -1,    1,    0,    0,   -1 ],
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  [  -1,    1,    0,   -1,    0 ],
```

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[ [  -1,    0,   -1,    1,    0 ],
  [   0,   -1,    0,    1,    0 ],
```

```
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[ [   -1,     0,     0,     1,    -1 ],
```

```
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```

```
      [    0,   -1,    1,    1,   -1 ] ]
----------
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  [    0,   -1,    1,    1,   -1 ] ]
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```

```
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[ [   -1,    1,   -1,   -1,    1 ],
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----------
[ [    0,    1,    0,   -2,    1 ],
    [    1,    0,    0,   -1,    1 ],
```

```
  [    1,    1,    0,   -2,    1 ],
  [    0,    1,   -1,   -1,    1 ],
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----------
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  [    0,    1,   -1,   -1,    0 ]]
----------
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----------
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[ [   -1,    2,    0,   -3,    2 ],
```

```
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[ [    1,    0,    0,   -1,    1 ],
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[ [    1,    1,    1,   -3,    1 ],
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```

```
[ [    1,    1,    1,   -3,    1 ],
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```

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  [    1,   -1,    1,    0,    0 ],
  [    1,    0,    1,   -1,    0 ],
  [    0,    0,    1,   -1,    0 ] ]
----------
[ [    0,    0,    1,   -1,    1 ],
  [    0,    0,    1,    0,    0 ],
  [    1,   -1,    1,    0,    0 ],
  [    0,   -1,    1,    0,    0 ],
  [    0,    0,    1,   -1,    0 ] ]
----------
[ [    0,    1,    0,   -2,    1 ],
  [   -1,    1,    0,   -1,    0 ],
  [    0,    0,    1,   -1,    1 ],
  [    0,    1,    0,   -1,    0 ],
```

```
       [    0,    0,    1,   -1,    0 ] ]
----------
[ [    0,    1,    0,   -2,    1 ],
  [   -1,    2,    0,   -3,    2 ],
  [    0,    1,    0,   -2,    2 ],
  [    0,    0,    1,   -1,    1 ],
  [    0,    1,    0,   -1,    0 ] ]
----------
[ [   -1,    1,    0,   -2,    2 ],
  [   -1,    2,    0,   -3,    2 ],
  [   -1,    1,    0,   -1,    0 ],
  [   -1,    1,    0,   -1,    1 ],
  [    0,    0,    1,   -1,    1 ] ]
----------
[ [   -1,    2,   -1,   -2,    1 ],
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  [   -1,    1,    0,   -1,    0 ],
  [   -1,    1,    0,   -1,    1 ],
  [    0,    1,    0,   -1,    0 ] ]
----------
[ [    0,    1,    0,   -2,    1 ],
  [   -1,    2,    0,   -3,    2 ],
  [   -1,    1,    0,   -1,    0 ],
  [    0,    0,    1,   -1,    1 ],
  [    0,    1,    0,   -1,    0 ] ]
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[ [   -1,    2,   -1,   -2,    1 ],
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  [   -1,    1,    0,   -1,    0 ],
  [   -1,    1,    0,   -1,    1 ] ]
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[ [    2,   -1,    0,    0,    1 ],
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  [    2,   -1,    0,    0,    0 ],
  [    1,    0,    0,    0,    0 ],
  [    0,    0,   -1,    0,    0 ] ]
----------
[ [    1,   -1,    0,    0,    1 ],
  [    2,   -1,    0,    0,    1 ],
  [    1,    0,    0,   -1,    1 ],
```

```
  [    0,    0,   -1,    0,    1 ],
  [    0,    0,   -1,    0,    0 ] ]
----------
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  [    0,    0,    0,   -1,    1 ],
  [    1,    0,    0,   -1,    1 ],
  [    0,    0,   -1,    0,    1 ],
  [    0,    0,   -1,    0,    0 ] ]
----------
[ [   -1,    1,   -1,   -1,    1 ],
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  [    0,    1,   -1,   -1,    1 ],
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  [    0,    0,   -1,    0,    0 ] ]
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  [    0,    0,   -1,    0,    0 ] ]
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  [    1,    0,    0,    0,    0 ] ]
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  [    1,    0,    0,   -1,    2 ],
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  [    1,    0,    0,   -1,    1 ],
  [    1,    0,    0,   -1,    2 ],
  [    0,    0,   -1,    0,    1 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
  [    0,    0,    0,   -1,    2 ],
```

```
    [    1,    0,    0,   -1,    1 ],
    [    0,    0,   -1,    0,    1 ],
    [    0,    1,   -1,   -1,    1 ]]
----------
[[    0,   -1,    0,    0,    2 ],
    [    1,   -1,    0,    0,    2 ],
    [    0,    0,    0,   -1,    2 ],
    [    0,    0,   -1,    0,    1 ],
    [    0,    0,    0,    0,    1 ]]
----------
[[    0,    0,    0,   -1,    1 ],
    [   -1,    1,   -1,   -1,    1 ],
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    [    0,    1,   -1,   -1,    1 ]]
----------
[[    0,    0,    0,    0,    1 ],
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    [   -1,    1,   -1,   -1,    1 ],
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----------
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----------
[[   -1,    1,    0,   -2,    2 ],
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    [    0,    1,   -1,   -1,    1 ],
    [    0,    0,    0,    0,    1 ]]
----------
[[   -1,    2,    0,   -3,    2 ],
```

```
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   [  -1,    1,    0,   -1,    1 ],
   [   0,    1,    0,   -2,    2 ],
   [   0,    1,   -1,   -1,    1 ]]
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[[  -1,    1,   -1,   -1,    1 ],
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   [   2,   -1,    1,    0,    0 ]]
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[[   3,   -2,    1,    0,    1 ],
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   [   2,   -1,    0,    0,    1 ],
   [   1,    0,    0,   -1,    1 ],
   [   2,   -1,    1,    0,    0 ]]
----------
```

```
[ [    2,   -1,    1,   -1,    1 ],
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  [    1,   -1,    1,    0,    1 ],
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  [    2,   -1,    1,    0,    0 ] ]
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  [    2,   -1,    0,    0,    2 ],
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  [    1,   -1,    1,    0,    1 ] ]
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[ [    0,    0,    0,   -1,    2 ],
  [    1,   -1,    1,   -1,    3 ],
  [    1,    0,    0,   -1,    1 ],
  [    1,    0,    0,   -1,    2 ],
  [    0,    0,    1,   -1,    1 ] ]
```

```
----------
[ [    1,   -1,    1,   -1,    2 ],
  [    1,   -1,    1,   -1,    3 ],
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  [    1,   -1,    1,    0,    1 ],
  [    0,    0,    1,   -1,    1 ] ]
----------
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  [    1,   -1,    0,    0,    2 ],
  [    1,   -1,    1,   -1,    3 ],
  [    1,    0,    0,   -1,    2 ],
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----------
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  [    1,   -1,    1,   -1,    2 ],
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  [    1,   -1,    1,    0,    1 ],
  [    1,   -1,    1,    0,    0 ] ]
----------
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  [    0,    0,    1,   -1,    1 ],
  [    1,   -1,    1,    0,    0 ] ]
----------
[ [    1,   -1,    1,   -1,    1 ],
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  [    1,   -1,    1,    0,    0 ],
  [    0,   -1,    1,    0,    0 ] ]
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[ [    1,   -1,    0,    0,    2 ],
  [    1,   -1,    1,   -1,    2 ],
  [    1,   -1,    1,   -1,    3 ],
  [    0,   -1,    1,    0,    1 ],
  [    1,   -1,    1,    0,    1 ] ]
----------
[ [    0,    0,    0,   -1,    2 ],
  [    1,   -1,    1,   -1,    2 ],
  [    1,   -1,    1,   -1,    3 ],
  [    0,   -1,    1,    0,    1 ],
```

```
    [    0,    0,    1,   -1,    1 ] ]
----------
[ [    0,    0,    0,   -1,    2 ],
  [    1,   -1,    0,    0,    2 ],
  [    1,   -1,    1,   -1,    3 ],
  [    0,   -1,    1,    0,    1 ],
  [    0,    0,    0,    0,    1 ] ]
----------
[ [    0,   -1,    0,    0,    2 ],
  [    0,    0,    0,   -1,    2 ],
  [    0,    0,    0,    0,    1 ],
  [    0,   -1,    1,    0,    1 ],
  [   -1,    0,    0,    0,    0 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
  [    0,    0,    0,   -1,    2 ],
  [    0,    0,    1,   -1,    1 ],
  [    0,   -1,    1,    0,    1 ],
  [   -1,    0,    0,    0,    0 ] ]
----------
[ [    0,    0,    1,    0,    0 ],
  [    0,    0,    1,   -1,    1 ],
  [    0,    0,    1,   -1,    0 ],
  [    0,   -1,    1,    0,    0 ],
  [   -1,    0,    0,    0,    0 ] ]
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[ [    0,    0,    0,   -1,    1 ],
  [    0,    0,    1,   -1,    1 ],
  [    0,   -1,    1,    0,    1 ],
  [    0,   -1,    1,    0,    0 ],
  [   -1,    0,    0,    0,    0 ] ]
----------
[ [    0,    1,    0,   -2,    1 ],
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  [   -1,    1,    0,   -2,    2 ],
  [    0,    1,    0,   -2,    2 ],
  [    0,    0,    1,   -1,    1 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
  [    0,    0,    0,   -1,    2 ],
  [   -1,    1,    0,   -2,    2 ],
```

```
     [    0,    1,    0,   -2,    2 ],
     [    0,    0,    1,   -1,    1 ] ]
----------
[ [   -1,    1,   -1,   -1,    1 ],
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     [   -1,    1,    0,   -2,    2 ],
     [    0,    0,    0,    0,    1 ],
     [   -1,    0,    0,    0,    0 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
     [    0,    0,    0,   -1,    2 ],
     [   -1,    1,    0,   -2,    2 ],
     [    0,    0,    1,   -1,    1 ],
     [   -1,    0,    0,    0,    0 ] ]
----------
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     [   -1,    1,    0,   -2,    2 ],
     [   -1,    1,    0,   -1,    1 ],
     [   -1,    0,    0,    0,    0 ] ]
----------
[ [   -1,    1,    0,   -2,    1 ],
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     [   -1,    0,    0,    0,    0 ] ]
----------
[ [   -1,    1,    0,   -2,    1 ],
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----------
[ [   -3,    2,   -1,    0,   -1 ],
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     [   -2,    1,    0,    0,    0 ] ]
----------
[ [   -1,    1,   -1,   -1,    1 ],
     [   -2,    1,   -1,    0,    0 ],
```

```
   [   -1,     1,    -1,     0,     0 ],
   [   -1,     1,     0,    -1,     0 ],
   [   -1,     1,     0,    -1,     1 ] ]
----------
[ [   -3,     2,    -1,     0,    -1 ],
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   [   -1,     1,    -1,     0,     0 ],
   [   -1,     1,     0,    -1,     0 ],
   [   -2,     1,     0,     0,     0 ] ]
----------
[ [   -2,     1,    -1,     0,     0 ],
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   [   -1,     0,     0,     0,     0 ] ]
----------
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   [   -1,     1,     0,    -1,     0 ],
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----------
[ [   -3,     2,    -1,     0,    -1 ],
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   [   -1,     1,     0,    -1,     0 ],
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----------
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   [    1,    -1,     0,     1,     0 ],
   [    2,    -1,     0,     0,     0 ],
   [    0,     0,    -1,     0,     0 ] ]
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[ [    1,    -1,     0,     0,     1 ],
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   [    0,     0,    -1,     0,     0 ] ]
----------
[ [    0,    -1,     0,     0,     1 ],
```

```
  [   1,  -1,   0,   0,   1 ],
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  [   0,   0,  -1,   0,   0 ] ]
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  [   0,   0,  -1,   0,   0 ] ]
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  [   2,  -1,   0,   0,   2 ],
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  [   0,   0,  -1,   0,   1 ] ]
----------
[ [   1,  -2,   0,   1,   2 ],
  [   1,  -1,   0,   0,   2 ],
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  [   1,  -1,   0,   1,   0 ],
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----------
[ [   1,  -2,   0,   1,   2 ],
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  [   0,  -1,   0,   1,   1 ],
  [   1,  -1,   0,   1,   0 ],
  [   0,   0,  -1,   0,   1 ] ]
----------
```

```
[ [   1,   -2,    0,    1,    2 ],
  [   0,   -1,    0,    0,    2 ],
  [   1,   -1,    0,    0,    2 ],
  [   0,   -1,    0,    1,    1 ],
  [   0,    0,   -1,    0,    1 ] ]
----------
[ [   0,    0,    0,    0,    1 ],
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  [   0,   -1,    0,    1,    1 ],
  [   0,   -1,    0,    0,    2 ],
  [  -1,    0,    0,    0,    0 ] ]
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  [   0,   -1,    0,    1,    0 ],
  [  -1,    0,    0,    0,    0 ] ]
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  [   0,    0,   -1,    1,    0 ] ]
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```

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```

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```

```
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  [    0,    0,   -1,    0,    0 ],
```

```
          [    0,    0,    0,    0,   -1 ] ]
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    ----------
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```

```
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[ [   -2,    1,   -2,    1,   -1 ],
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```

```
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[ [   -1,    0,    0,    1,   -1 ],
```

```
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     [    -1,    1,    0,     0,   -2 ],
     [     0,    1,   -1,     0,   -1 ]]
----------
```

```
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  [   0,    1,   -1,    0,   -1 ] ]
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  [   0,    0,    0,    0,   -1 ] ]
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  [  -1,    1,    0,    0,   -2 ],
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  [   0,    0,    1,    0,   -1 ] ]
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  [  -1,    2,    0,   -1,   -2 ],
  [   0,    1,    0,   -1,    0 ],
  [   0,    1,    0,   -1,   -1 ] ]
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  [  -1,    1,    0,    0,   -2 ],
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  [   0,    0,    1,    0,   -1 ] ]
```

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  [  -1,    1,    0,    1,   -3 ],
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```

```
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  [   -1,    1,    0,   -1,    0 ],
```

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    [   -1,    0,    0,    1,   -2 ],
```

```
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----------
[ [   -1,    1,   -1,    1,   -2 ],
```

```
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----------
```

```
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----------
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  [  -2,    1,   -1,    2,   -2 ],
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----------
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  [   0,    0,   -1,    0,    0 ] ]
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  [   0,    0,   -1,    1,   -1 ],
  [   0,    0,   -1,    0,    0 ] ]
```

```
----------
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  [    0,    0,   -1,    1,   -1 ] ]
----------
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----------
[ [    1,   -2,    0,    3,   -2 ],
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  [    0,    0,   -1,    1,   -1 ] ]
----------
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----------
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  [    0,   -1,    0,    2,   -1 ],
```

```
   [    0,    0,   -1,    1,   -1 ] ]
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[ [    1,   -2,    1,    2,   -1 ],
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```

```
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   [    1,   -1,    0,    1,   -1 ],
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   [    1,   -2,    1,    2,   -1 ],
```

```
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   [    0,   -1,    1,    0,    0 ] ]
----------
[ [    0,   -1,    0,    1,    0 ],
   [    0,   -1,    0,    2,   -1 ],
   [    1,   -2,    1,    2,   -1 ],
   [    0,   -1,    1,    1,    0 ],
   [    0,   -1,    1,    1,   -1 ] ]
----------
[ [   -1,   -1,    0,    2,   -1 ],
```

```
    [    0,   -1,    0,    2,   -1 ],
    [   -1,    0,    0,    1,   -1 ],
    [    0,   -1,    0,    2,   -2 ],
    [    0,   -1,    1,    1,   -1 ] ]
----------
[ [    0,   -1,    0,    1,    0 ],
    [   -1,   -1,    0,    2,   -1 ],
    [    0,   -1,    0,    2,   -1 ],
    [    0,   -1,    1,    1,    0 ],
    [    0,   -1,    1,    1,   -1 ] ]
----------
[ [    0,   -1,    0,    1,    0 ],
    [    0,   -1,    0,    2,   -1 ],
    [    0,   -1,    0,    2,    0 ],
    [    0,   -1,    1,    1,    0 ],
    [    1,   -1,    0,    1,    0 ] ]
----------
[ [    0,   -1,    0,    2,   -1 ],
    [   -1,    0,   -1,    2,   -1 ],
    [   -1,   -1,    0,    2,    0 ],
    [   -1,   -1,    0,    3,   -1 ],
    [   -1,    0,    0,    1,   -1 ] ]
----------
[ [   -1,    0,   -1,    1,    0 ],
    [   -1,    0,   -1,    2,   -1 ],
    [   -1,   -1,    0,    2,    0 ],
    [   -1,    0,    0,    1,   -1 ],
    [   -1,    0,    0,    1,    0 ] ]
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[ [   -1,   -1,    0,    2,   -1 ],
    [    0,   -1,    0,    2,   -1 ],
    [   -1,   -1,    0,    2,    0 ],
    [   -1,    0,    0,    1,   -1 ],
    [    0,   -1,    1,    1,    0 ] ]
----------
[ [   -2,    1,   -1,    1,   -1 ],
    [   -1,    0,   -1,    2,   -1 ],
    [   -2,    1,   -1,    2,   -2 ],
    [   -1,    1,   -1,    0,    0 ],
    [   -1,    0,    0,    1,    0 ] ]
----------
```

```
[ [  -1,    0,   -1,    1,    0 ],
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  [  -2,    1,   -1,    1,   -1 ],
  [  -1,    0,    0,    1,   -1 ],
  [  -1,    0,    0,    1,    0 ] ]
----------
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  [   1,    0,    0,   -1,    0 ],
  [   0,    1,   -1,   -1,    0 ],
  [   0,    0,   -1,    0,    0 ] ]
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  [   1,    0,    0,    0,    0 ],
  [   1,    0,    0,   -1,    0 ],
  [   0,    0,   -1,    0,    0 ] ]
----------
[ [  -1,    1,   -1,   -1,    1 ],
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  [   0,    1,   -1,   -1,    1 ],
  [   0,    1,   -1,   -1,    0 ],
  [   0,    0,   -1,    0,    0 ] ]
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  [   1,    0,    0,    0,    0 ],
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  [   0,    1,   -1,   -1,    0 ] ]
----------
[ [   0,    1,    0,   -2,    1 ],
  [   1,    0,    0,   -1,    1 ],
  [   1,    1,    0,   -2,    1 ],
  [   1,    1,    0,   -2,    0 ],
  [   0,    1,   -1,   -1,    0 ] ]
```

```
----------
[ [   0,    0,    0,   -1,    1 ],
  [   0,    1,    0,   -2,    1 ],
  [   1,    0,    0,   -1,    1 ],
  [   0,    1,   -1,   -1,    1 ],
  [   0,    1,   -1,   -1,    0 ] ]
----------
[ [   0,    1,    0,   -2,    1 ],
  [   0,    1,    0,   -1,    0 ],
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----------
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  [   0,    1,   -1,   -1,    0 ] ]
----------
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  [   0,    1,    0,   -2,    1 ],
  [   0,    1,    0,   -1,    0 ],
  [   0,    1,   -1,   -1,    0 ] ]
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[ [  -1,    1,   -1,   -1,    1 ],
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  [   0,    1,    0,   -2,    2 ],
  [   1,    0,    0,   -1,    1 ],
  [   1,    1,    0,   -2,    1 ],
```

```
   [    0,    1,   -1,   -1,    1 ] ]
----------
[ [   -1,    2,    0,   -3,    2 ],
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  [    0,    1,    0,   -2,    2 ],
  [    0,    1,   -1,   -1,    1 ],
  [    0,    1,    0,   -1,    0 ] ]
----------
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  [   -1,    2,    0,   -3,    2 ],
  [   -1,    1,    0,   -1,    1 ],
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  [    0,    1,    0,   -1,    0 ] ]
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  [    0,    0,    1,   -1,    1 ],
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  [    1,    1,    0,   -2,    1 ] ]
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  [    1,    1,    0,   -2,    0 ],
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[ [    1,    0,    1,   -2,    1 ],
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  [    1,    0,    0,   -1,    1 ],
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  [    1,    1,    0,   -2,    0 ] ]
----------
[ [    1,    0,    1,   -2,    1 ],
  [    1,    1,    1,   -3,    1 ],
  [    0,    0,    1,   -1,    1 ],
```

```
   [     1,      0,      0,     -1,      1 ],
   [     1,      0,      1,     -1,      0 ] ]
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[ [     0,      1,      0,     -2,      1 ],
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   [     0,      0,      1,     -1,      1 ],
   [     1,      0,      0,     -1,      1 ],
   [     1,      1,      0,     -2,      1 ] ]
----------
[ [     1,      0,      1,     -2,      1 ],
   [     1,      1,      1,     -3,      1 ],
   [     1,      1,      0,     -2,      0 ],
   [     1,      0,      1,     -1,      0 ],
   [     0,      0,      1,     -1,      0 ] ]
----------
[ [     0,      1,      0,     -2,      1 ],
   [     1,      1,      1,     -3,      1 ],
   [     0,      1,      0,     -1,      0 ],
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   [     0,      0,      1,     -1,      0 ] ]
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   [     2,     -1,      1,      0,      0 ],
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   [     1,      0,      0,     -1,      0 ] ]
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   [     2,     -1,      0,      0,      0 ],
   [     2,     -1,      1,      0,      0 ],
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   [     1,      0,      0,     -1,      1 ],
   [     1,      0,      1,     -1,      0 ],
   [     1,      0,      0,     -1,      0 ] ]
----------
[ [     1,      0,      1,     -2,      1 ],
   [     2,     -1,      1,     -1,      1 ],
```

```
   [   1,    0,    0,   -1,    1 ],
   [   0,    0,    1,   -1,    1 ],
   [   1,    0,    1,   -1,    0 ] ]
----------
[ [   1,    0,    1,   -2,    1 ],
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   [   1,   -1,    1,    0,    0 ],
   [   1,    0,    1,   -1,    0 ] ]
----------
[ [   0,    1,    0,   -2,    1 ],
   [   1,    0,    1,   -2,    1 ],
   [   1,    1,    1,   -3,    1 ],
   [   0,    0,    1,   -1,    1 ],
   [   0,    0,    1,   -1,    0 ] ]
----------
[ [   1,    0,    1,   -2,    1 ],
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   [   1,    0,    1,   -1,    0 ],
   [   0,    0,    1,   -1,    0 ],
   [   1,    0,    0,   -1,    0 ] ]
----------
[ [   1,   -1,    1,   -1,    1 ],
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   [   0,    0,    1,   -1,    1 ],
   [   1,   -1,    1,    0,    0 ],
   [   0,    0,    1,   -1,    0 ] ]
----------
[ [   1,   -1,    1,   -1,    1 ],
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   [   1,   -1,    1,    0,    0 ],
   [   0,   -1,    1,    0,    0 ],
   [   0,    0,    1,   -1,    0 ] ]
----------
[ [  -1,    1,    0,   -2,    1 ],
   [   0,    1,    0,   -2,    1 ],
   [  -1,    1,    0,   -1,    0 ],
   [   0,    0,    1,   -1,    1 ],
   [   0,    0,    1,   -1,    0 ] ]
----------
[ [   0,    1,    0,   -2,    1 ],
```

```
     [   -1,    1,    0,   -1,    0 ],
     [    0,    1,    0,   -1,    0 ],
     [    0,    1,    0,   -2,    0 ],
     [    0,    0,    1,   -1,    0 ] ]
----------
[ [   -1,    2,   -1,   -2,    1 ],
     [   -1,    1,    0,   -2,    2 ],
     [   -1,    2,    0,   -3,    2 ],
     [   -1,    1,    0,   -1,    0 ],
     [   -1,    1,    0,   -1,    1 ] ]
----------
[ [    0,    1,    0,   -2,    1 ],
     [   -1,    1,    0,   -2,    2 ],
     [   -1,    2,    0,   -3,    2 ],
     [   -1,    1,    0,   -1,    0 ],
     [    0,    0,    1,   -1,    1 ] ]
----------
[ [    0,    1,    0,   -2,    1 ],
     [   -1,    2,   -1,   -2,    1 ],
     [   -1,    2,    0,   -3,    2 ],
     [   -1,    1,    0,   -1,    0 ],
     [    0,    1,    0,   -1,    0 ] ]
----------
[ [   -1,    1,   -1,   -1,    1 ],
     [   -1,    2,   -1,   -2,    1 ],
     [   -1,    1,   -1,    0,    0 ],
     [   -1,    1,    0,   -1,    0 ],
     [   -1,    1,    0,   -1,    1 ] ]
----------
[ [    1,   -1,    0,    0,    1 ],
     [    2,   -1,    0,    0,    1 ],
     [    1,    0,    0,   -1,    1 ],
     [    2,   -1,    0,    0,    0 ],
     [    0,    0,   -1,    0,    0 ] ]
----------
[ [    2,   -1,    0,   -1,    1 ],
     [    1,   -1,    0,    0,    1 ],
     [    0,    0,    0,   -1,    1 ],
     [    1,    0,    0,   -1,    1 ],
     [    0,    0,   -1,    0,    0 ] ]
----------
```

```
[ [    0,   -1,    0,    0,    1 ],
  [    1,   -1,    0,    0,    1 ],
  [    0,    0,    0,   -1,    1 ],
  [    0,    0,   -1,    0,    1 ],
  [    0,    0,   -1,    0,    0 ] ]
----------
[ [    0,    0,   -1,    0,    1 ],
  [    0,    0,    0,   -1,    1 ],
  [   -1,    1,   -1,   -1,    1 ],
  [   -1,    0,    0,    0,    0 ],
  [    0,    0,   -1,    0,    0 ] ]
----------
[ [   -2,    1,   -1,    0,    0 ],
  [   -1,    1,   -1,   -1,    1 ],
  [   -1,    1,   -1,    0,    0 ],
  [   -1,    1,   -1,   -1,    0 ],
  [    0,    0,   -1,    0,    0 ] ]
----------
[ [    0,    0,   -1,    0,    1 ],
  [   -1,    1,   -1,   -1,    1 ],
  [   -2,    1,   -1,    0,    0 ],
  [   -1,    0,    0,    0,    0 ],
  [    0,    0,   -1,    0,    0 ] ]
----------
[ [    1,   -1,    0,    0,    2 ],
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  [    2,   -1,    0,    0,    2 ],
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  [    0,    0,   -1,    0,    1 ] ]
----------
[ [    1,   -1,    0,   -1,    3 ],
  [    1,   -1,    0,    0,    2 ],
  [    0,    0,    0,   -1,    2 ],
  [    1,    0,    0,   -1,    1 ],
  [    0,    0,   -1,    0,    1 ] ]
----------
[ [    1,   -1,    0,   -1,    3 ],
  [    0,    0,    0,   -1,    1 ],
  [    0,    0,    0,   -1,    2 ],
  [    1,    0,    0,   -1,    1 ],
  [    0,    0,   -1,    0,    1 ] ]
```

```
----------
[ [    1,   -1,    0,   -1,    3 ],
   [    0,   -1,    0,    0,    2 ],
   [    1,   -1,    0,    0,    2 ],
   [    0,    0,    0,   -1,    2 ],
   [    0,    0,   -1,    0,    1 ] ]
----------
[ [    0,    0,    0,    0,    1 ],
   [    0,    0,   -1,    0,    1 ],
   [    0,    0,    0,   -1,    2 ],
   [    0,   -1,    0,    0,    2 ],
   [   -1,    0,    0,    0,    0 ] ]
----------
[ [    0,    0,   -1,    0,    1 ],
   [    0,    0,    0,   -1,    2 ],
   [   -1,    1,   -1,   -1,    1 ],
   [    0,    0,    0,   -1,    1 ],
   [   -1,    0,    0,    0,    0 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
   [    0,    0,    0,   -1,    2 ],
   [    0,    1,    0,   -2,    2 ],
   [    1,    0,    0,   -1,    1 ],
   [    0,    1,   -1,   -1,    1 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
   [   -1,    1,    0,   -2,    2 ],
   [    0,    0,    0,   -1,    2 ],
   [    0,    1,    0,   -2,    2 ],
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----------
[ [   -1,    1,   -1,   -1,    1 ],
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----------
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   [   -1,    2,    0,   -3,    2 ],
   [   -1,    1,    0,   -2,    2 ],
   [   -1,    1,    0,   -1,    1 ],
```

```
  [    0,    1,   -1,   -1,    1 ] ]
----------
[ [    0,    1,    0,   -2,    1 ],
  [   -1,    2,    0,   -3,    2 ],
  [   -1,    1,    0,   -2,    2 ],
  [    0,    1,    0,   -2,    2 ],
  [    0,    1,   -1,   -1,    1 ] ]
----------
[ [   -1,    2,   -1,   -2,    1 ],
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  [   -1,    1,    0,   -2,    2 ],
  [   -1,    1,    0,   -1,    1 ],
  [    0,    1,   -1,   -1,    1 ] ]
----------
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  [    0,    1,    0,   -2,    2 ],
  [    0,    0,    1,   -1,    1 ],
  [    1,    0,    0,   -1,    1 ] ]
----------
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  [    2,   -1,    0,    0,    0 ],
  [    2,   -1,    1,    0,    0 ] ]
----------
[ [    1,   -1,    0,    0,    1 ],
  [    3,   -2,    1,    0,    1 ],
  [    2,   -1,    0,    0,    1 ],
  [    1,    0,    0,   -1,    1 ],
  [    2,   -1,    0,    0,    0 ] ]
----------
[ [    2,   -1,    1,   -1,    1 ],
  [    3,   -2,    1,    0,    1 ],
  [    1,   -1,    1,    0,    1 ],
  [    1,    0,    0,   -1,    1 ],
  [    2,   -1,    1,    0,    0 ] ]
----------
[ [    1,   -1,    0,    0,    1 ],
  [    3,   -2,    1,    0,    1 ],
  [    1,   -1,    1,    0,    1 ],
```

```
    [    2,   -1,    0,    0,    1 ],
    [    1,    0,    0,   -1,    1 ] ]
----------
[ [    1,   -1,    0,    0,    2 ],
    [    1,   -1,    1,    0,    1 ],
    [    2,   -1,    0,    0,    1 ],
    [    2,   -1,    0,    0,    2 ],
    [    1,    0,    0,   -1,    1 ] ]
----------
[ [    1,   -1,    0,    0,    1 ],
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    [    2,   -1,    1,   -1,    1 ],
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    [    1,   -1,    1,    0,    1 ] ]
----------
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    [    1,   -1,    1,   -1,    2 ],
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    [    0,    0,    1,   -1,    1 ] ]
----------
[ [    1,   -1,    0,    0,    1 ],
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    [    1,   -1,    1,    0,    0 ] ]
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    [    1,    0,    0,   -1,    2 ] ]
----------
[ [    1,   -1,    1,   -1,    2 ],
    [    1,   -1,    0,    0,    2 ],
```

```
      [     1,    -1,     1,    -1,     3 ],
      [     1,     0,     0,    -1,     1 ],
      [     1,    -1,     1,     0,     1 ] ]
----------
[ [     1,    -1,     1,    -1,     2 ],
      [     0,     0,     0,    -1,     2 ],
      [     1,    -1,     1,    -1,     3 ],
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      [     0,     0,     1,    -1,     1 ] ]
----------
[ [     1,    -1,     1,    -1,     1 ],
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      [     0,    -1,     1,     0,     1 ],
      [     1,    -1,     1,     0,     0 ] ]
----------
[ [     0,     0,     0,    -1,     1 ],
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      [     0,     0,     1,    -1,     1 ] ]
----------
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[ [     0,     0,     0,    -1,     2 ],
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      [     0,    -1,     1,     0,     1 ] ]
----------
[ [     1,    -1,     0,     0,     1 ],
```

```
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    [    1,   -1,    1,   -1,    2 ],
    [    0,   -1,    1,    0,    1 ],
    [    1,   -1,    1,    0,    1 ] ]
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[ [    0,    0,    0,   -1,    1 ],
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    [    1,   -1,    1,   -1,    2 ],
    [    0,   -1,    1,    0,    1 ],
    [    0,    0,    1,   -1,    1 ] ]
----------
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    [    1,   -1,    0,    0,    2 ],
    [    0,   -1,    1,    0,    1 ],
    [    0,    0,    0,    0,    1 ] ]
----------
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    [    0,    0,    0,   -1,    2 ],
    [    0,   -1,    1,    0,    1 ],
    [   -1,    0,    0,    0,    0 ] ]
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    [    0,    0,    1,   -1,    0 ],
    [    0,   -1,    1,    0,    0 ],
    [   -1,    0,    0,    0,    0 ] ]
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[ [    0,   -1,    0,    0,    1 ],
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    [    0,   -1,    1,    0,    1 ],
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    [    0,    1,    0,   -2,    2 ],
    [    0,    0,    1,   -1,    1 ] ]
----------
```

```
[ [    0,    0,    0,   -1,    1 ],
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  [   -1,    1,    0,   -2,    2 ],
  [   -1,    0,    0,    0,    0 ] ]
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  [   -1,    1,    0,   -2,    2 ],
  [    0,    0,    1,   -1,    1 ],
  [   -1,    0,    0,    0,    0 ] ]
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[ [   -1,    1,    0,   -2,    1 ],
  [   -1,    1,    0,   -1,    0 ],
  [   -1,    1,   -1,   -1,    1 ],
  [   -1,    1,    0,   -2,    2 ],
  [   -1,    0,    0,    0,    0 ] ]
----------
[ [   -1,    1,    0,   -2,    1 ],
  [   -1,    1,    0,   -1,    0 ],
  [   -1,    1,    0,   -2,    0 ],
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  [    0,    0,    1,   -1,    0 ],
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  [   -1,    1,   -1,    0,   -1 ] ]
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  [   -2,    1,   -1,    0,    0 ],
  [   -1,    1,    0,   -1,    0 ],
  [   -2,    1,    0,    0,    0 ] ]
```

```
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 [  -2,    1,   -1,    0,    0 ],
 [  -1,    1,   -1,    0,    0 ],
 [  -1,    1,    0,   -1,    0 ],
 [  -1,    1,   -1,   -1,    0 ]]
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[[  -3,    2,   -1,    0,   -1 ],
 [  -1,    1,    0,    0,   -1 ],
 [  -1,    1,   -1,    0,    0 ],
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 [  -1,    1,   -1,    0,   -1 ]]
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[[  -2,    1,   -1,    0,    0 ],
 [  -2,    1,    0,    0,   -1 ],
 [  -1,    1,    0,   -1,    0 ],
 [  -2,    1,   -1,    0,   -1 ],
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 [  -1,    1,    0,   -1,    0 ],
 [  -1,    1,   -1,    0,   -1 ]]
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 [   1,   -1,    0,    0,    0 ],
 [   0,    0,   -1,    0,    0 ]]
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[[   0,   -1,    0,    0,    1 ],
 [   1,   -1,    0,    0,    1 ],
 [   0,   -1,    0,    1,    0 ],
 [   1,   -1,    0,    0,    0 ],
```

```
    [    0,    0,   -1,    0,    0 ] ]
----------
[ [    0,    0,   -1,    0,    1 ],
  [    0,   -1,    0,    1,    0 ],
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  [    0,    0,   -1,    0,    0 ] ]
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  [   -1,    0,   -1,    1,   -1 ],
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  [   -1,    0,   -1,    1,   -1 ],
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[ [   -2,    1,   -2,    1,   -1 ],
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[ [   -1,    0,   -1,    1,    0 ],
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  [    0,    0,   -1,    0,    1 ] ]
----------
[ [    1,   -1,    0,    0,    1 ],
  [    1,   -2,    0,    1,    2 ],
  [    1,   -1,    0,    0,    2 ],
```

```
      [   1,   -1,    0,    1,    0 ],
      [   0,    0,   -1,    0,    1 ] ]
----------
[ [   0,   -1,    0,    0,    2 ],
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      [   0,   -1,    0,    1,    0 ],
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      [   0,    0,   -1,    0,    1 ] ]
----------
[ [   1,   -1,    0,    0,    1 ],
      [   1,   -2,    0,    1,    2 ],
      [   0,   -1,    0,    1,    0 ],
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----------
[ [   1,   -1,    0,    0,    1 ],
      [   1,   -2,    0,    1,    2 ],
      [   0,   -1,    0,    0,    2 ],
      [   1,   -1,    0,    0,    2 ],
      [   0,    0,   -1,    0,    1 ] ]
----------
[ [   0,   -1,    0,    1,    0 ],
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      [   0,   -1,    0,    1,    1 ],
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      [  -1,    0,    0,    0,    0 ] ]
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[ [  -1,    0,   -1,    1,    0 ],
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      [   0,    0,   -1,    1,    0 ] ]
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[ [   0,   -1,    0,    2,   -1 ],
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      [   0,   -1,    0,    2,    0 ],
      [   0,    0,   -1,    1,    0 ] ]
----------
[ [   0,   -1,    0,    2,   -1 ],
      [  -1,    0,   -1,    2,   -1 ],
```

```
     [   -1,   -1,    0,    3,   -1 ],
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     [    0,    0,   -1,    1,    0 ] ]
----------
[ [   -1,   -1,   -1,    3,   -1 ],
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  [    0,    0,   -1,    1,    0 ] ]
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  [    1,   -1,    1,    0,    0 ] ]
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  [    1,   -1,    0,    1,    0 ] ]
----------
[ [    1,   -2,    1,    1,    1 ],
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  [    0,   -1,    1,    1,    0 ],
  [    1,   -1,    0,    1,    0 ] ]
----------
[ [    1,   -2,    1,    1,    0 ],
```

```
   [   1,   -1,    0,    0,    1 ],
   [   1,   -1,    0,    1,    0 ],
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   [   1,   -1,    0,    0,    0 ] ]
----------
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   [   1,   -1,    0,    0,    1 ],
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   [   1,   -1,    0,    1,    0 ] ]
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   [   1,   -2,    1,    1,    2 ],
   [   1,   -1,    0,    1,    0 ] ]
----------
```

```
[ [    1,   -1,    0,    0,    1 ],
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  [    1,   -1,    0,    0,    2 ],
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```

```
----------
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[ [   -1,   -1,    0,    2,   -1 ],
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  [   -1,    1,   -1,    0,    0 ],
```

```
    [  -1,    1,  -1,    0,  -1 ] ]
----------
[ [  -3,    2,  -1,    0,  -1 ],
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   [  -2,    1,  -1,    1,  -1 ],
   [  -1,    0,    0,    1,  -1 ],
   [  -1,    1,  -1,    0,  -1 ] ]
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   [  -2,    1,  -1,    1,  -1 ],
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   [  -1,    1,  -1,    0,  -1 ] ]
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[ [  -1,    0,    0,    1,  -1 ],
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   [  -2,    1,  -1,    0,  -1 ],
```

```
      [    -1,     0,    -1,     1,    -1 ],
      [    -1,     0,     0,     0,     0 ] ]
----------
[ [     1,     1,     0,    -2,     0 ],
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  [     1,     0,     0,    -1,     0 ],
  [     0,     1,    -1,    -1,     0 ],
  [     0,     0,     0,     0,    -1 ] ]
----------
[ [     1,     1,     0,    -2,     0 ],
  [     0,     1,     0,    -1,    -1 ],
  [     0,     1,     0,    -2,     0 ],
  [     0,     1,    -1,    -1,     0 ],
  [     0,     0,     0,     0,    -1 ] ]
----------
[ [    -1,     1,    -1,     0,    -1 ],
  [    -1,     2,    -1,    -1,    -2 ],
  [     0,     1,    -1,     0,    -1 ],
  [     0,     1,    -1,    -1,     0 ],
  [     0,     0,     0,     0,    -1 ] ]
----------
[ [    -1,     1,     0,    -1,    -1 ],
  [    -1,     2,    -1,    -1,    -2 ],
  [     0,     1,     0,    -1,    -1 ],
  [     0,     1,    -1,    -1,     0 ],
  [     0,     0,     0,     0,    -1 ] ]
----------
[ [    -1,     1,     0,    -1,     0 ],
  [    -1,     2,    -1,    -1,    -1 ],
  [    -1,     2,    -1,    -1,    -2 ],
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  [     0,     1,    -1,    -1,     0 ] ]
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[ [    -1,     2,    -1,    -1,    -1 ],
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  [    -1,     2,    -1,    -1,    -2 ],
  [     0,     1,    -1,     0,    -1 ],
  [     0,     1,    -1,    -1,     0 ] ]
----------
[ [    -1,     1,     0,    -1,     0 ],
  [     0,     1,     0,    -1,     0 ],
```

```
    [    0,    1,    0,   -1,   -1 ],
    [    0,    1,    0,   -2,    0 ],
    [    0,    1,   -1,   -1,    0 ] ]
----------
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   [    0,    1,   -1,   -1,    0 ],
   [    0,    0,   -1,    0,    0 ],
   [    0,    0,    0,    0,   -1 ] ]
----------
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   [    1,    0,    0,   -1,    0 ],
   [    0,    0,   -1,    0,    0 ],
   [    0,    0,    0,   -1,    0 ],
   [    0,    0,    0,    0,   -1 ] ]
----------
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   [    1,    0,    0,   -1,    0 ],
   [    0,    0,   -1,    0,    0 ],
   [    0,    0,    0,    0,   -1 ] ]
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   [   -1,    1,   -1,   -1,    0 ],
   [    0,    1,   -1,   -1,    0 ],
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[ [   -1,    1,   -1,    0,    0 ],
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   [    0,    1,   -1,   -1,    0 ] ]
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   [   -1,    2,   -1,   -1,   -1 ],
   [   -1,    2,   -1,   -1,    0 ],
   [    0,    1,   -1,   -1,    0 ] ]
----------
[ [   -1,    2,   -1,   -1,   -2 ],
```

```
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    [   0,    1,   -1,    0,  -1 ],
    [   0,    1,    0,   -1,  -1 ],
    [   0,    0,    0,    0,  -1 ] ]
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[ [  -1,    2,   -1,   -1,  -1 ],
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    [  -1,    1,    0,    0,  -2 ],
    [   0,    1,    0,   -1,  -1 ],
    [   0,    1,   -1,    0,  -1 ] ]
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    [   0,    1,   -1,    0,  -1 ] ]
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    [   0,    1,   -1,    0,  -1 ] ]
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    [   1,   -1,    0,    0,   0 ],
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    [   0,    0,    0,    0,  -1 ] ]
----------
```

```
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  [   0,   0,   0,   0,  -1 ] ]
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  [  -1,   1,  -1,   0,  -1 ],
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  [  -1,   1,  -1,   1,  -3 ],
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  [  -1,   1,  -1,   0,  -1 ],
  [  -1,   1,  -1,   1,  -3 ],
  [   0,   0,  -1,   1,  -1 ] ]
```

```
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  [  -1,    0,    0,    1,   -2 ],
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  [   0,    0,    0,    1,   -2 ],
  [   0,    0,   -1,    1,   -1 ] ]
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  [   0,    0,   -1,    1,   -1 ] ]
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  [  -1,    1,   -1,    1,   -2 ],
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  [  -2,    1,   -1,    2,   -2 ],
  [  -1,    1,   -1,    1,   -2 ],
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  [   0,    0,    0,    0,   -1 ] ]
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[ [  -1,    1,   -1,    1,   -2 ],
  [  -1,    1,   -1,    1,   -3 ],
  [  -1,    1,    0,    0,   -2 ],
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  [   0,    1,   -1,    0,   -1 ] ]
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[ [  -1,    1,   -1,    1,   -2 ],
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  [  -1,    1,   -1,    0,   -1 ],
  [  -1,    1,    0,    0,   -2 ],
```

```
  [   0,    1,   -1,    0,   -1 ] ]
----------
[ [  -1,    1,   -1,    1,   -2 ],
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  [  -1,    1,   -1,    0,    0 ],
  [  -1,    1,   -1,    0,   -1 ],
  [   0,    1,   -1,    0,   -1 ] ]
----------
[ [  -2,    1,    0,    0,   -2 ],
  [  -1,    1,    0,   -1,   -1 ],
  [  -1,    1,    0,    0,   -2 ],
  [   0,    0,    1,    0,   -1 ],
  [   0,    0,    0,    0,   -1 ] ]
----------
[ [  -1,    2,   -1,   -1,   -2 ],
  [  -1,    1,    0,   -1,   -1 ],
  [  -1,    1,    0,    0,   -2 ],
  [   0,    1,    0,   -1,   -1 ],
  [   0,    0,    0,    0,   -1 ] ]
----------
[ [  -1,    1,    0,   -1,    0 ],
  [  -1,    1,    0,   -1,   -1 ],
  [  -1,    1,    0,    0,   -2 ],
  [   0,    1,    0,   -1,   -1 ],
  [   0,    0,    1,    0,   -1 ] ]
----------
[ [  -1,    2,   -1,   -1,   -1 ],
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  [  -1,    2,    0,   -1,   -2 ],
  [  -1,    1,    0,    0,   -2 ],
  [   0,    1,    0,   -1,   -1 ] ]
----------
[ [  -1,    1,   -1,    0,   -1 ],
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  [  -1,    0,    0,    1,   -2 ],
  [  -1,    1,    0,    0,   -2 ],
  [   0,    0,    0,    0,   -1 ] ]
----------
[ [   0,    0,    1,    0,   -1 ],
  [  -1,    0,    0,    1,   -2 ],
  [  -2,    1,    0,    0,   -2 ],
```

```
    [   -1,    0,    0,    0,    0 ],
    [    0,    0,    0,    0,   -1 ] ]
----------
[ [   -1,    1,   -1,    0,   -1 ],
    [   -1,    1,   -1,    1,   -3 ],
    [   -1,    0,    0,    1,   -2 ],
    [   -1,    1,    0,    0,   -2 ],
    [    0,    0,    0,    0,   -1 ] ]
----------
[ [   -1,    0,    0,    1,   -1 ],
    [   -1,    1,   -1,    1,   -3 ],
    [   -1,    0,    0,    1,   -2 ],
    [   -1,    1,    0,    0,   -2 ],
    [    0,    0,    0,    1,   -2 ] ]
----------
[ [   -1,    1,   -1,    1,   -2 ],
    [   -1,    0,    0,    1,   -1 ],
    [   -1,    1,   -1,    1,   -3 ],
    [   -1,    1,    0,    0,   -2 ],
    [    0,    0,    0,    1,   -2 ] ]
----------
[ [    1,    1,    0,   -2,    0 ],
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    [    0,    0,    1,   -1,    0 ],
    [    1,    0,    0,   -1,    0 ],
    [    0,    0,    0,    0,   -1 ] ]
----------
[ [    1,    1,    0,   -2,    0 ],
    [    0,    1,    0,   -1,   -1 ],
    [    0,    1,    0,   -2,    0 ],
    [    0,    0,    1,   -1,    0 ],
    [    0,    0,    0,    0,   -1 ] ]
----------
[ [    0,    0,    1,    0,   -1 ],
    [   -1,    1,    0,   -1,   -1 ],
    [    0,    0,    1,   -1,    0 ],
    [   -1,    0,    0,    0,    0 ],
    [    0,    0,    0,    0,   -1 ] ]
----------
[ [   -1,    1,    0,   -1,   -1 ],
    [    0,    1,    0,   -1,   -1 ],
```

```
    [    0,    1,    0,   -2,    0 ],
    [    0,    0,    1,   -1,    0 ],
    [    0,    0,    0,    0,   -1 ] ]
----------
[ [   -1,    1,    0,   -1,    0 ],
    [   -1,    1,    0,   -1,   -1 ],
    [    0,    1,    0,   -1,   -1 ],
    [    0,    1,    0,   -2,    0 ],
    [    0,    0,    1,   -1,    0 ] ]
----------
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    [    0,    0,    0,    0,   -1 ] ]
----------
[ [    0,    0,    1,    0,   -1 ],
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    [    0,   -1,    1,    0,    0 ],
    [   -1,    0,    0,    0,    0 ],
    [    0,    0,    0,    0,   -1 ] ]
----------
[ [    1,   -1,    1,    0,    0 ],
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    [    0,    0,    0,    0,   -1 ] ]
----------
[ [    1,   -1,    1,    0,    0 ],
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    [    0,    0,    0,    0,   -1 ] ]
----------
[ [   -1,    1,    0,   -1,    0 ],
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    [   -1,    1,    0,   -2,    0 ],
    [    0,    0,    1,   -1,    0 ],
    [   -1,    0,    0,    0,    0 ] ]
----------
[ [   -1,    2,   -1,   -1,   -1 ],
```

```
     [    -1,     1,     0,    -1,     0 ],
     [    -1,     1,     0,     0,    -1 ],
     [    -1,     1,    -1,     0,    -1 ],
     [    -1,     1,     0,     0,    -2 ] ]
----------
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     [    -2,     1,     0,     0,    -2 ],
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----------
[ [    -2,     1,     0,     0,    -1 ],
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     [    -1,     1,    -1,     0,    -1 ],
     [    -2,     1,     0,     0,    -2 ],
     [    -1,     1,     0,     0,    -2 ] ]
----------
[ [    -1,     1,     0,    -1,     0 ],
     [    -1,     1,     0,    -1,    -1 ],
     [    -2,     1,     0,     0,    -2 ],
     [     0,     0,     1,     0,    -1 ],
     [    -1,     0,     0,     0,     0 ] ]
----------
[ [    -1,     1,     0,    -1,     0 ],
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     [    -2,     1,    -1,     0,    -1 ],
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[ [     0,    -1,     0,     2,    -2 ],
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     [     1,    -1,     0,     1,    -1 ],
     [     1,    -1,     0,     2,    -2 ],
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[ [    -1,    -1,     0,     2,    -2 ],
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     [    -1,     0,     0,     1,    -2 ],
     [    -1,     0,     0,     0,     0 ],
     [     0,     0,     0,     0,    -1 ] ]
----------
```

```
[ [  -1,   -1,    0,    2,   -2 ],
  [    0,   -1,    0,    2,   -2 ],
  [   -1,    0,    0,    1,   -2 ],
  [    0,   -1,    1,    1,   -1 ],
  [    0,    0,    0,    0,   -1 ] ]
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  [    0,   -1,    0,    2,   -2 ],
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  [    0,   -1,    1,    1,   -1 ] ]
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----------
[ [   0,   -1,    0,    1,   -1 ],
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[ [   1,   -2,    1,    1,   -1 ],
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  [    1,   -1,    0,    1,   -1 ],
  [    0,   -1,    1,    1,   -1 ],
  [    0,    0,    0,    0,   -1 ] ]
```

```
----------
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  [   0,    0,    0,    0,  -1 ] ]
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  [  -1,    0,    0,    0,    0 ] ]
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  [  -1,    1,    0,  -1,    0 ],
  [  -1,    1,    0,    0,  -1 ],
```

```
        [   -1,     1,    -1,     0,    -1 ] ]
    ----------
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      [   -1,     1,    -1,     1,    -2 ],
      [   -2,     1,    -1,     2,    -2 ],
      [   -1,     1,    -1,     0,     0 ],
      [   -1,     1,     0,     0,    -1 ] ]
    ----------
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      [   -2,     1,    -1,     1,    -1 ],
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      [   -1,     1,     0,     0,    -1 ],
      [   -1,     1,    -1,     0,    -1 ] ]
    ----------
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      [    0,    -1,     0,     1,    -1 ],
      [    1,    -1,     0,     1,    -1 ],
      [    1,    -1,     0,     0,     0 ],
      [    0,     0,    -1,     0,     0 ] ]
    ----------
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      [   -1,     0,    -1,     1,    -1 ],
      [    0,    -1,     0,     1,    -1 ],
      [    0,     0,    -1,     1,    -1 ],
      [    0,     0,    -1,     0,     0 ] ]
    ----------
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      [    1,    -1,     0,     1,    -1 ],
      [    1,    -1,     0,     2,    -2 ],
      [    0,     0,    -1,     1,    -1 ] ]
    ----------
    [ [    0,    -1,     0,     1,     0 ],
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      [    0,     0,    -1,     1,    -1 ] ]
    ----------
    [ [    1,    -2,     0,     3,    -2 ],
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      [    0,    -1,     0,     2,    -1 ],
```

```
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----------
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  [    0,   -1,    0,    2,   -2 ],
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[ [   -2,    1,   -2,    1,   -1 ],
  [   -2,    1,   -1,    1,   -1 ],
```

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[ [    1,   -2,    0,    3,   -2 ],
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  [    1,   -1,    0,    2,   -2 ]]
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----------
[ [    1,   -2,    0,    3,   -2 ],
  [    0,   -1,    0,    2,   -1 ],
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  [    1,   -1,    0,    2,   -2 ]]
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  [    1,   -1,    0,    2,   -2 ]]
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  [    0,   -1,    1,    1,   -1 ],
  [    1,   -1,    0,    2,   -2 ]]
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[ [    1,   -2,    1,    1,    0 ],
```

```
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    [   1,   -1,    0,    0,    0 ] ]
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----------
```

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[ [   0,  -1,   0,   1,   0 ],
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[ [  -1,  -1,  -1,   3,  -1 ],
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  [   1,   0,   0,  -1,   1 ],
  [   1,   0,   0,  -1,   0 ],
  [   0,   0,  -1,   0,   0 ] ]
```

```
----------
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  [    2,   -1,    0,    0,    0 ],
  [    1,    0,    0,   -1,    0 ],
  [    0,    0,   -1,    0,    0 ] ]
----------
[ [   -1,    1,   -1,   -1,    1 ],
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  [   -1,    1,   -1,   -1,    0 ],
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  [    0,    0,   -1,    0,    0 ] ]
----------
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  [    0,    1,   -1,   -1,    0 ] ]
----------
[ [    1,    1,    0,   -3,    1 ],
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  [    1,    1,    0,   -2,    0 ],
  [    0,    1,   -1,   -1,    0 ] ]
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[ [    1,    1,    0,   -3,    1 ],
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----------
[ [    1,    1,    0,   -3,    1 ],
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  [    1,    1,    0,   -2,    0 ],
  [    0,    1,    0,   -2,    0 ],
```

```
    [    0,    1,   -1,   -1,    0 ] ]
----------
[ [   -1,    1,    0,   -1,    0 ],
  [    0,    1,    0,   -2,    1 ],
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  [    0,    1,   -1,   -1,    0 ] ]
----------
[ [   -1,    1,    0,   -1,    0 ],
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  [   -1,    2,   -1,   -2,    1 ],
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  [    0,    1,   -1,   -1,    0 ] ]
----------
[ [   -1,    1,   -1,   -1,    1 ],
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  [   -1,    2,   -1,   -2,    1 ],
  [    0,    1,   -1,   -1,    1 ],
  [    0,    1,   -1,   -1,    0 ] ]
----------
[ [   -1,    1,   -1,   -1,    1 ],
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  [   -1,    2,   -1,   -2,    1 ],
  [   -1,    1,   -1,    0,    0 ],
  [    0,    1,   -1,   -1,    0 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
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  [    1,    0,    0,   -1,    1 ],
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----------
[ [   -1,    2,   -1,   -2,    1 ],
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  [    0,    1,   -1,   -1,    1 ],
  [    0,    1,    0,   -1,    0 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
  [    0,    1,    0,   -2,    1 ],
  [    0,    1,    0,   -2,    2 ],
```

```
    [    0,    0,    1,   -1,    1 ],
    [    1,    0,    0,   -1,    1 ] ]
----------
[ [    1,    0,    1,   -2,    1 ],
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    [    1,    0,    1,   -1,    0 ],
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    [    1,    0,    0,   -1,    0 ] ]
----------
[ [    1,    1,    0,   -3,    1 ],
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    [    1,    1,    0,   -2,    0 ],
    [    1,    0,    0,   -1,    0 ] ]
----------
[ [    0,    1,    0,   -2,    1 ],
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[ [    2,   -1,    1,   -1,    1 ],
    [    2,   -1,    0,    0,    0 ],
```

```
      [    1,   -1,    1,    0,    0 ],
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----------
[ [    1,    0,    1,   -2,    1 ],
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[ [    2,   -1,    0,   -1,    1 ],
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[ [    2,   -1,    1,   -2,    2 ],
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----------
[ [    1,   -1,    1,   -1,    1 ],
```

```
  [    1,    0,    1,   -2,    1 ],
  [    1,   -1,    1,    0,    0 ],
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  [    1,    0,    0,   -1,    0 ] ]
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  [    0,    0,    1,   -1,    0 ] ]
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  [    0,    0,    1,   -1,    0 ] ]
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[ [   -1,    1,    0,   -2,    1 ],
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  [    0,    0,    1,   -1,    0 ] ]
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  [   -1,    1,    0,   -1,    0 ] ]
----------
```

```
[ [   -1,     1,   -1,   -1,     1 ],
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  [   -1,     1,     0,   -2,     2 ],
  [   -1,     1,     0,   -1,     0 ],
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  [     0,     0,     1,   -1,     1 ] ]
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  [   -1,     1,   -1,   -1,     0 ],
  [   -1,     0,     0,     0,     0 ],
  [     0,     0,   -1,     0,     0 ] ]
```

```
----------
[ [  -1,    1,   -1,   -1,    1 ],
  [  -2,    1,   -1,    0,    0 ],
  [  -1,    1,   -1,   -1,    0 ],
  [  -1,    0,    0,    0,    0 ],
  [   0,    0,   -1,    0,    0 ] ]
----------
[ [  -2,    1,   -1,    0,    0 ],
  [  -1,    1,   -1,    0,    0 ],
  [  -1,    1,   -1,    0,   -1 ],
  [  -1,    1,   -1,   -1,    0 ],
  [   0,    0,   -1,    0,    0 ] ]
----------
[ [   1,   -1,    0,    0,    1 ],
  [   1,   -1,    0,    0,    2 ],
  [   2,   -1,    0,    0,    1 ],
  [   1,    0,    0,   -1,    1 ],
  [   0,    0,   -1,    0,    1 ] ]
----------
[ [   1,   -1,    0,    0,    1 ],
  [   1,   -1,    0,   -1,    3 ],
  [   1,   -1,    0,    0,    2 ],
  [   1,    0,    0,   -1,    1 ],
  [   0,    0,   -1,    0,    1 ] ]
----------
[ [   0,   -1,    0,    0,    2 ],
  [   1,   -1,    0,   -1,    3 ],
  [   0,    0,    0,   -1,    1 ],
  [   0,    0,    0,   -1,    2 ],
  [   0,    0,   -1,    0,    1 ] ]
----------
[ [   1,   -1,    0,    0,    1 ],
  [   1,   -1,    0,   -1,    3 ],
  [   0,    0,    0,   -1,    1 ],
  [   1,    0,    0,   -1,    1 ],
  [   0,    0,   -1,    0,    1 ] ]
----------
[ [   1,   -1,    0,    0,    1 ],
  [   1,   -1,    0,   -1,    3 ],
  [   0,   -1,    0,    0,    2 ],
  [   1,   -1,    0,    0,    2 ],
```

```
      [    0,    0,   -1,    0,    1 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
  [    0,    0,   -1,    0,    1 ],
  [    0,    0,    0,   -1,    2 ],
  [    0,   -1,    0,    0,    2 ],
  [   -1,    0,    0,    0,    0 ] ]
----------
[ [   -1,    1,   -1,   -1,    1 ],
  [    0,    0,    0,   -1,    1 ],
  [   -1,    1,    0,   -2,    2 ],
  [    0,    0,    0,   -1,    2 ],
  [    0,    1,   -1,   -1,    1 ] ]
----------
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  [    0,    0,    0,   -1,    1 ],
  [   -1,    1,    0,   -2,    2 ],
  [    0,    1,    0,   -2,    2 ],
  [    0,    1,   -1,   -1,    1 ] ]
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  [   -1,    2,    0,   -3,    2 ],
  [   -1,    1,    0,   -2,    2 ],
  [    0,    1,   -1,   -1,    1 ] ]
----------
[ [   -1,    2,   -1,   -3,    2 ],
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  [   -1,    1,   -1,   -1,    1 ],
  [   -1,    1,    0,   -2,    2 ],
  [    0,    1,   -1,   -1,    1 ] ]
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  [    0,    0,    0,   -1,    2 ],
  [    0,    0,    1,   -1,    1 ],
  [    1,    0,    0,   -1,    1 ] ]
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[ [    1,   -1,    0,    0,    1 ],
  [    2,   -1,    1,   -1,    1 ],
  [    3,   -2,    1,    0,    1 ],
```

```
     [    1,    0,    0,   -1,    1 ],
     [    2,   -1,    0,    0,    0 ] ]
----------
[ [    1,   -1,    0,    0,    1 ],
     [    2,   -1,    1,   -1,    1 ],
     [    3,   -2,    1,    0,    1 ],
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     [    1,    0,    0,   -1,    1 ] ]
----------
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     [    1,   -1,    1,    0,    1 ],
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     [    1,    0,    0,   -1,    1 ] ]
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     [    1,   -1,    0,    0,    1 ],
     [    1,   -1,    1,   -1,    2 ],
     [    2,   -1,    1,   -1,    1 ],
     [    1,    0,    0,   -1,    1 ] ]
----------
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     [    0,    0,    1,   -1,    1 ] ]
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[ [    2,   -1,    1,   -2,    2 ],
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     [    1,   -1,    1,    0,    0 ] ]
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     [    1,   -1,    1,   -1,    2 ],
     [    0,    0,    1,   -1,    1 ],
     [    1,   -1,    1,    0,    0 ] ]
----------
[ [    1,   -1,    1,   -1,    2 ],
     [    0,    0,    0,   -1,    2 ],
```

```
  [   1,   -1,    0,    0,    2 ],
  [   1,   -1,    1,   -1,    3 ],
  [   1,    0,    0,   -1,    1 ] ]
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  [   1,   -1,    1,   -1,    2 ],
  [   1,   -1,    0,    0,    2 ],
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  [   1,   -1,    1,    0,    1 ] ]
----------
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  [   1,   -1,    0,    0,    1 ],
  [   0,   -1,    1,    0,    1 ],
  [   1,   -1,    1,    0,    0 ] ]
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[ [   0,    0,    0,   -1,    1 ],
  [   1,   -1,    1,   -1,    1 ],
  [   1,   -1,    0,    0,    1 ],
  [   1,   -1,    1,   -1,    2 ],
  [   0,   -1,    1,    0,    1 ] ]
----------
[ [   1,   -2,    1,    0,    1 ],
  [   1,   -1,    1,   -1,    1 ],
  [   1,   -1,    1,    0,    0 ],
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  [   1,   -1,    0,    0,    0 ] ]
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  [   1,   -1,    1,   -1,    1 ],
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  [   0,   -1,    1,    0,    0 ] ]
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  [   1,   -1,    0,    0,    2 ],
  [   1,   -1,    1,   -1,    2 ],
  [   0,   -1,    1,    0,    1 ] ]
----------
[ [   1,   -1,    0,   -1,    3 ],
```

```
      [    1,   -1,    0,    0,    1 ],
      [    1,   -1,    0,    0,    2 ],
      [    1,   -1,    1,   -1,    2 ],
      [    0,   -1,    1,    0,    1 ] ]
----------
[ [    1,   -1,    0,   -1,    3 ],
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      [    1,   -1,    1,   -1,    2 ],
      [    0,   -1,    1,    0,    1 ] ]
----------
[ [    1,   -1,    0,   -1,    3 ],
      [    0,   -1,    0,    0,    2 ],
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      [    1,   -1,    0,    0,    2 ],
      [    0,   -1,    1,    0,    1 ] ]
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[ [    0,   -1,    0,    0,    1 ],
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      [    0,   -1,    0,    0,    2 ],
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      [   -1,    0,    0,    0,    0 ] ]
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----------
[ [    0,    0,    0,   -1,    1 ],
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----------
[ [   -1,    1,    0,   -2,    1 ],
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      [   -1,    1,    0,   -2,    2 ],
      [    0,    0,    1,   -1,    1 ] ]
----------
```

```
[ [  -1,    1,    0,   -2,    1 ],
  [   0,    0,    0,   -1,    1 ],
  [  -1,    1,   -1,   -1,    1 ],
  [  -1,    1,    0,   -2,    2 ],
  [  -1,    0,    0,    0,    0 ] ]
----------
[ [  -1,    1,    0,   -2,    1 ],
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  [  -1,    1,   -1,   -1,    1 ],
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  [  -1,    0,    0,    0,    0 ] ]
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[ [   0,    0,    0,   -1,    1 ],
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  [  -1,    0,    0,    0,    0 ] ]
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[ [  -1,    1,    0,   -2,    1 ],
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  [  -1,    1,    0,   -2,    0 ],
  [  -1,    1,   -1,   -1,    0 ],
  [  -1,    0,    0,    0,    0 ] ]
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[ [  -2,    1,    0,    0,   -1 ],
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  [  -2,    1,   -1,    0,    0 ],
  [  -1,    1,    0,   -1,    0 ],
  [  -1,    1,   -1,    0,   -1 ] ]
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[ [  -2,    1,   -1,    0,    0 ],
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  [  -1,    1,    0,   -1,    0 ],
  [  -1,    1,   -1,    0,   -1 ],
  [  -1,    1,   -1,   -1,    0 ] ]
----------
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  [  -2,    1,   -1,    0,   -1 ],
  [  -1,    1,   -1,   -1,    0 ],
  [  -1,    0,    0,    0,    0 ] ]
```

```
----------
[ [    2,   -1,    0,   -1,    1 ],
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  [    2,   -1,    0,    0,    0 ],
  [    1,   -1,    0,    0,    0 ],
  [    0,    0,   -1,    0,    0 ] ]
----------
[ [    0,   -1,    0,    1,    0 ],
  [    0,   -1,    0,    0,    1 ],
  [    1,   -1,    0,    0,    0 ],
  [    0,   -1,    0,    0,    0 ],
  [    0,    0,   -1,    0,    0 ] ]
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  [    0,    0,   -1,    0,    0 ] ]
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[ [    0,   -1,    0,    1,    0 ],
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  [   -1,    0,   -1,    1,   -1 ],
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[ [   -2,    1,   -2,    1,   -1 ],
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----------
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  [    1,   -2,    0,    1,    2 ],
  [    0,   -1,    0,    1,    0 ],
```

```
                  [    0,    0,   -1,    0,    1 ] ]
----------
[ [    0,   -1,    0,    0,    1 ],
  [    0,   -1,    0,    1,    0 ],
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  [    0,   -1,    0,    0,    2 ],
  [   -1,    0,    0,    0,    0 ] ]
----------
[ [   -1,   -1,   -1,    3,   -1 ],
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  [   -1,   -1,    0,    2,    0 ],
  [    0,    0,   -1,    1,    0 ] ]
----------
[ [   -1,   -1,   -1,    3,   -1 ],
  [    0,   -1,    0,    2,   -1 ],
  [    0,   -1,    0,    1,    0 ],
  [   -1,   -1,    0,    2,    0 ],
  [    0,    0,   -1,    1,    0 ] ]
----------
[ [   -1,   -1,   -1,    3,   -1 ],
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  [   -1,    0,   -1,    2,   -1 ],
  [   -1,   -1,    0,    2,    0 ],
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----------
[ [    1,   -1,    0,    0,    1 ],
  [    2,   -1,    1,   -1,    1 ],
  [    3,   -2,    1,    0,    1 ],
  [    1,   -1,    1,    0,    0 ],
  [    2,   -1,    0,    0,    0 ] ]
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  [    1,   -1,    1,    0,    0 ],
  [    2,   -1,    0,    0,    0 ],
  [    1,   -1,    0,    0,    0 ] ]
----------
[ [    1,   -2,    0,    1,    2 ],
  [    1,   -2,    1,    1,    1 ],
  [    0,   -1,    0,    1,    0 ],
```

```
    [    0,   -1,    0,    1,    1 ],
    [    1,   -1,    0,    1,    0 ] ]
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[ [    0,   -1,    0,    1,    0 ],
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[ [    0,   -1,    0,    1,    0 ],
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    [    0,   -1,    1,    0,    1 ] ]
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    [    1,   -1,    0,    0,    0 ] ]
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[ [    0,   -1,    0,    0,    1 ],
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    [    0,   -1,    1,    0,    0 ] ]
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----------
[ [    1,   -2,    0,    1,    2 ],
    [    1,   -1,    0,    0,    1 ],
```

```
    [    1,   -2,    1,    1,    1 ],
    [    1,   -1,    0,    0,    2 ],
    [    1,   -1,    0,    1,    0 ] ]
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    [    0,   -1,    1,    0,    1 ] ]
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----------
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----------
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----------
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    [   -1,    0,   -1,    1,   -1 ],
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----------
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    [   -1,   -1,    0,    2,   -2 ],
    [    0,   -1,    1,    1,   -1 ],
    [   -1,    0,    0,    0,    0 ] ]
----------
[ [    0,   -1,    0,    1,    0 ],
```

```
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     [  -1,    0,   -1,    1,   -1 ],
     [  -1,   -1,    0,    2,   -2 ],
     [  -1,    0,    0,    0,    0 ] ]
----------
[ [  -1,   -1,   -1,    3,   -1 ],
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     [  -1,    1,   -1,    0,   -1 ] ]
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     [   1,    0,    0,   -1,    0 ],
     [   0,    1,   -1,   -1,    0 ],
     [   0,    0,    0,    0,   -1 ] ]
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```

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[ [   -1,    1,    0,   -1,   -1 ],
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  [    0,    0,    0,    0,   -1 ] ]
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```

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```

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```

```
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```

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[ [    1,    1,    0,   -2,    0 ],
```

```
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----------
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----------
```

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```

```
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```

```
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[ [   -1,   -1,    0,    2,  -1 ],
  [   -1,    0,    0,    1,  -1 ],
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```

```
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  [   1,   -2,    1,    1,   -1 ],
```

```
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   [  -1,   -1,    0,    2,    0 ],
   [  -1,    0,    0,    1,   -1 ] ]
----------
[ [   0,    0,    0,   -1,    1 ],
```

```
    [   -1,     1,    -1,    -1,     0 ],
    [    0,     1,    -1,    -1,     0 ],
    [    0,     0,    -1,     0,     0 ],
    [    0,     0,     0,    -1,     0 ] ]
----------
[ [    0,     0,     0,    -1,     1 ],
    [    1,     0,     0,    -1,     0 ],
    [    1,    -1,     0,     0,     0 ],
    [    0,     0,    -1,     0,     0 ],
    [    0,     0,     0,    -1,     0 ] ]
----------
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    [    0,     0,     0,    -1,     1 ],
    [    1,     0,     0,    -1,     0 ],
    [    1,    -1,     0,     0,     0 ],
    [    0,     0,    -1,     0,     0 ] ]
----------
[ [    2,    -1,     0,    -1,     1 ],
    [    2,    -1,     0,     0,     0 ],
    [    1,     0,     0,    -1,     0 ],
    [    1,    -1,     0,     0,     0 ],
    [    0,     0,    -1,     0,     0 ] ]
----------
[ [    1,     1,     0,    -3,     1 ],
    [    1,     1,     0,    -2,     0 ],
    [    0,     1,     0,    -2,     0 ],
    [    1,     0,     0,    -1,     0 ],
    [    0,     1,    -1,    -1,     0 ] ]
----------
[ [    0,     0,     0,    -1,     1 ],
    [    1,     1,     0,    -3,     1 ],
    [    1,     0,     0,    -1,     1 ],
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    [    0,     1,    -1,    -1,     0 ] ]
----------
[ [    1,     1,     0,    -3,     1 ],
    [    0,     0,     0,    -1,     1 ],
    [    0,     1,     0,    -2,     1 ],
    [    0,     1,     0,    -2,     0 ],
    [    0,     1,    -1,    -1,     0 ] ]
----------
```

```
[ [   -1,    1,    0,   -2,    1 ],
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  [    0,    1,    0,   -2,    1 ],
  [    0,    1,   -1,   -1,    0 ] ]
----------
[ [   -1,    1,   -1,   -1,    1 ],
  [   -1,    2,   -1,   -3,    2 ],
  [    0,    0,    0,   -1,    1 ],
  [    0,    1,   -1,   -1,    1 ],
  [    0,    1,   -1,   -1,    0 ] ]
----------
[ [   -1,    1,    0,   -2,    1 ],
  [   -1,    1,    0,   -1,    0 ],
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  [    0,    1,    0,   -2,    0 ],
  [    0,    1,   -1,   -1,    0 ] ]
----------
[ [   -1,    1,   -1,   -1,    1 ],
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[ [   -1,    1,   -1,   -1,    1 ],
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  [   -1,    1,   -1,   -1,    0 ],
  [    0,    1,   -1,   -1,    0 ] ]
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[ [    1,    0,    1,   -2,    1 ],
  [    0,    0,    0,   -1,    1 ],
  [    0,    1,    0,   -2,    1 ],
  [    0,    0,    1,   -1,    1 ],
  [    1,    0,    0,   -1,    1 ] ]
```

```
----------
[ [    1,    1,    0,   -3,    1 ],
  [    1,    0,    1,   -2,    1 ],
  [    1,    1,    0,   -2,    0 ],
  [    0,    0,    1,   -1,    0 ],
  [    1,    0,    0,   -1,    0 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
  [    1,    1,    0,   -3,    1 ],
  [    1,    0,    1,   -2,    1 ],
  [    1,    0,    0,   -1,    1 ],
  [    1,    0,    0,   -1,    0 ] ]
----------
[ [    1,    1,    0,   -3,    1 ],
  [    0,    1,    0,   -2,    1 ],
  [    1,    0,    1,   -2,    1 ],
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  [    2,   -1,    1,   -1,    1 ],
  [    1,   -1,    1,    0,    0 ],
```

```
   [   1,    0,    0,   -1,    0 ] ]
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  [   1,    0,    0,   -1,    1 ],
  [   1,    0,    0,   -1,    0 ] ]
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  [   0,    0,    1,   -1,    1 ] ]
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[ [   1,    1,    0,   -3,    1 ],
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  [   1,    0,    0,   -1,    0 ] ]
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  [   1,    0,    1,   -2,    1 ],
```

```
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[ [    0,     0,     0,   -1,     1 ],
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  [    0,     1,     0,   -2,     1 ],
  [    0,     1,     0,   -2,     0 ],
  [    0,     0,     1,   -1,     0 ] ]
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[ [   -1,     1,     0,   -2,     1 ],
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[ [   -1,     2,   -1,   -3,     2 ],
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  [   -1,     2,   -1,   -2,     1 ],
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  [   -1,     1,     0,   -1,     0 ] ]
----------
[ [   -1,     2,   -1,   -3,     2 ],
  [   -1,     1,     0,   -2,     1 ],
```

```
    [    0,    1,    0,   -2,    1 ],
    [   -1,    1,    0,   -2,    2 ],
    [   -1,    1,    0,   -1,    0 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
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    [    1,   -1,    0,    0,    0 ],
    [    0,   -1,    0,    0,    0 ],
    [    0,    0,   -1,    0,    0 ] ]
----------
[ [    0,   -1,    0,    0,    1 ],
    [    0,    0,    0,   -1,    1 ],
    [   -1,    0,    0,    0,    0 ],
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    [    0,    0,   -1,    0,    0 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
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    [   -1,    0,    0,    0,    0 ],
    [    0,    0,   -1,    0,    0 ],
    [    0,    0,    0,   -1,    0 ] ]
----------
[ [   -2,    1,   -1,    0,    0 ],
    [   -2,    1,   -1,    0,   -1 ],
    [   -1,    1,   -1,   -1,    0 ],
    [   -1,    0,    0,    0,    0 ],
    [    0,    0,   -1,    0,    0 ] ]
----------
[ [   -2,    1,   -1,    0,    0 ],
    [   -2,    1,   -1,    0,   -1 ],
    [   -1,    1,   -1,    0,   -1 ],
    [   -1,    1,   -1,   -1,    0 ],
    [    0,    0,   -1,    0,    0 ] ]
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[ [    1,   -1,    0,    0,    1 ],
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    [    1,   -1,    0,   -1,    3 ],
    [    0,    0,    0,   -1,    1 ],
    [    0,    0,   -1,    0,    1 ] ]
----------
[ [    0,   -1,    0,    0,    1 ],
```

```
     [    0,    0,    0,   -1,    1 ],
     [    0,    0,   -1,    0,    1 ],
     [    0,   -1,    0,    0,    2 ],
     [   -1,    0,    0,    0,    0 ] ]
----------
[ [   -1,    2,   -1,   -3,    2 ],
     [   -1,    1,   -1,   -1,    1 ],
     [    0,    0,    0,   -1,    1 ],
     [   -1,    1,    0,   -2,    2 ],
     [    0,    1,   -1,   -1,    1 ] ]
----------
[ [   -1,    2,   -1,   -3,    2 ],
     [    0,    1,    0,   -2,    1 ],
     [    0,    0,    0,   -1,    1 ],
     [   -1,    1,    0,   -2,    2 ],
     [    0,    1,   -1,   -1,    1 ] ]
----------
[ [   -1,    2,   -1,   -3,    2 ],
     [    0,    1,    0,   -2,    1 ],
     [   -1,    2,   -1,   -2,    1 ],
     [   -1,    1,    0,   -2,    2 ],
     [    0,    1,   -1,   -1,    1 ] ]
----------
[ [    1,   -1,    0,   -1,    3 ],
     [    1,   -1,    1,   -1,    2 ],
     [    0,    0,    0,   -1,    1 ],
     [    0,    0,    0,   -1,    2 ],
     [    1,    0,    0,   -1,    1 ] ]
----------
[ [    2,   -1,    0,   -1,    1 ],
     [    1,   -1,    0,    0,    1 ],
     [    2,   -1,    1,   -1,    1 ],
     [    1,    0,    0,   -1,    1 ],
     [    2,   -1,    0,    0,    0 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
     [    2,   -1,    1,   -2,    2 ],
     [    1,   -1,    0,    0,    1 ],
     [    1,   -1,    1,   -1,    2 ],
     [    1,    0,    0,   -1,    1 ] ]
----------
```

```
[ [   2,  -1,   0,  -1,   1 ],
  [   2,  -1,   1,  -2,   2 ],
  [   1,  -1,   0,   0,   1 ],
  [   2,  -1,   1,  -1,   1 ],
  [   1,   0,   0,  -1,   1 ] ]
----------
[ [   1,  -1,   1,  -1,   1 ],
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  [   2,  -1,   1,  -2,   2 ],
  [   1,  -1,   1,  -1,   2 ],
  [   0,   0,   1,  -1,   1 ] ]
----------
[ [   1,  -1,   1,  -1,   1 ],
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  [   1,  -1,   1,  -1,   2 ],
  [   1,  -1,   1,   0,   0 ] ]
----------
[ [   2,  -1,   0,  -1,   1 ],
  [   2,  -1,   1,  -2,   2 ],
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  [   2,  -1,   1,  -1,   1 ],
  [   1,  -1,   1,   0,   0 ] ]
----------
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  [   1,  -1,   0,   0,   2 ],
  [   1,   0,   0,  -1,   1 ] ]
----------
[ [   1,  -1,   0,  -1,   3 ],
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  [   1,   0,   0,  -1,   1 ] ]
----------
[ [   1,  -2,   1,   0,   1 ],
  [   1,  -1,   1,  -1,   1 ],
  [   1,  -1,   0,   0,   1 ],
  [   1,  -1,   1,   0,   0 ],
  [   1,  -1,   0,   0,   0 ] ]
```

```
----------
[ [    0,    0,    0,   -1,    1 ],
  [    1,   -2,    1,    0,    1 ],
  [    1,   -1,    1,   -1,    1 ],
  [    1,   -1,    0,    0,    1 ],
  [    0,   -1,    1,    0,    1 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
  [    1,   -2,    1,    0,    1 ],
  [    1,   -1,    1,   -1,    1 ],
  [    0,   -1,    1,    0,    0 ],
  [    1,   -1,    0,    0,    0 ] ]
----------
[ [    0,   -1,    0,    0,    1 ],
  [    0,    0,    0,   -1,    1 ],
  [    1,   -2,    1,    0,    1 ],
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  [    0,   -1,    1,    0,    0 ] ]
----------
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  [    0,   -1,    1,    0,    1 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
  [    1,   -1,    0,   -1,    3 ],
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----------
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  [    0,    0,    0,   -1,    2 ],
  [    0,   -1,    1,    0,    1 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
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  [   -1,    0,    0,    0,    0 ],
  [    0,   -1,    0,    0,    0 ],
```

```
  [    0,    0,    0,   -1,    0 ] ]
----------
[ [   -1,    2,   -1,   -3,    2 ],
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  [    0,    1,    0,   -2,    1 ],
  [   -1,    1,    0,   -2,    2 ] ]
----------
[ [   -1,    1,    0,   -2,    1 ],
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----------
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  [    0,    0,    0,   -1,    0 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
  [   -1,    1,    0,   -2,    1 ],
  [   -1,    1,    0,   -2,    0 ],
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  [   -2,    1,   -1,    0,   -1 ],
  [   -1,    1,   -1,    0,   -1 ] ]
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  [   -1,    1,   -1,    0,   -1 ],
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----------
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  [   -1,    1,    0,   -1,   -1 ],
  [   -2,    1,   -1,    0,   -1 ],
```

```
   [   -1,    1,   -1,   -1,    0 ],
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[ [    0,   -1,    0,    1,    0 ],
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   [    0,   -1,    0,    0,    0 ],
   [    0,    0,   -1,    0,    0 ] ]
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   [    1,   -1,    1,    0,    0 ],
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```
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[ [   -2,    1,   -2,    1,   -1 ],
```

```
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```

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  [  -1,    0,    0,    0,    0 ],
```

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  [    1,   -1,    0,    0,    0 ],
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   [    0,    0,   -1,    1,   -1 ] ]
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[ [   -1,   -1,    0,    2,   -1 ],
   [    0,   -1,    0,    1,    0 ],
```

```
  [   -1,   -1,    0,    2,   -2 ],
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  [    0,    0,   -1,    1,   -1 ] ]
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[ [    0,   -1,    0,    1,    0 ],
```

```
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   [    0,   -1,    1,    1,   -1 ]]
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----------
```

```
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```

```
----------
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```

```
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  [    0,   -1,    0,    0,    2 ],
```

```
  [    0,    0,    0,   -1,    1 ],
  [    0,    0,   -1,    0,    1 ] ]
----------
[ [   -1,    1,    0,   -2,    1 ],
  [   -1,    2,   -1,   -3,    2 ],
  [   -1,    1,   -1,   -1,    1 ],
  [    0,    0,    0,   -1,    1 ],
  [   -1,    1,    0,   -2,    2 ] ]
----------
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  [    1,    0,    0,   -1,    1 ] ]
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  [    1,   -1,    0,    0,    1 ],
  [    1,   -1,    1,   -1,    2 ] ]
----------
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  [    0,    0,    0,   -1,    1 ],
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  [    1,   -1,    0,    0,    1 ],
  [    1,    0,    0,   -1,    1 ] ]
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  [    2,   -1,    1,   -2,    2 ],
  [    1,   -1,    0,    0,    1 ],
  [    1,   -1,    1,    0,    0 ] ]
----------
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  [    1,   -2,    1,    0,    1 ],
  [    1,   -1,    1,   -1,    1 ],
  [    1,   -1,    0,    0,    1 ],
  [    1,   -1,    0,    0,    0 ] ]
----------
[ [    0,   -1,    0,    0,    1 ],
  [    0,    0,    0,   -1,    1 ],
```

```
    [    1,   -2,    1,    0,    1 ],
    [    1,   -1,    0,    0,    1 ],
    [    0,   -1,    1,    0,    1 ] ]
----------
[ [    0,   -1,    0,    0,    1 ],
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    [    1,   -2,    1,    0,    1 ],
    [    0,   -1,    1,    0,    0 ],
    [    1,   -1,    0,    0,    0 ] ]
----------
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    [    0,   -1,    0,    0,    2 ],
    [    1,   -1,    0,   -1,    3 ],
    [    1,   -1,    0,    0,    1 ],
    [    0,   -1,    1,    0,    1 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
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    [   -1,    1,   -1,   -1,    0 ],
    [   -1,    0,    0,    0,    0 ],
    [    0,    0,    0,   -1,    0 ] ]
----------
[ [   -1,    1,    0,   -1,    0 ],
    [   -1,    1,    0,   -1,   -1 ],
    [   -2,    1,   -1,    0,   -1 ],
    [   -1,    1,   -1,    0,   -1 ],
    [   -1,    1,   -1,   -1,    0 ] ]
----------
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    [   -1,    0,    0,    0,    0 ],
    [    0,    0,    0,    0,   -1 ] ]
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    [    1,   -1,    1,    0,    0 ],
    [    1,   -1,    0,    0,    0 ] ]
----------
[ [    0,   -1,    0,    0,    1 ],
```

```
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  [    1,   -2,    1,    0,    1 ],
  [    1,   -1,    0,    0,    1 ],
  [    1,   -1,    0,    0,    0 ] ]
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  [    0,   -1,    0,    0,    1 ],
  [    0,   -1,    1,    0,    0 ],
  [    1,   -1,    0,    0,    0 ],
  [    0,   -1,    0,    0,    0 ] ]
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[ [    0,   -1,    0,    0,    1 ],
  [    0,   -1,    0,    1,    0 ],
  [    0,   -1,    0,    0,    2 ],
  [    1,   -1,    0,    0,    1 ],
  [    0,   -1,    1,    0,    1 ] ]
----------
[ [   -2,    1,   -1,    0,    0 ],
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  [   -1,    0,   -1,    1,   -1 ],
  [   -2,    1,   -1,    0,   -1 ],
  [   -1,    1,   -1,    0,   -1 ] ]
----------
[ [   -1,    1,    0,   -2,    0 ],
  [    0,    1,    0,   -2,    0 ],
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  [    0,    0,    0,   -1,    0 ],
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  [    0,    1,   -1,   -1,    0 ],
  [    0,    0,    0,    0,   -1 ] ]
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[ [   -2,    1,   -1,    0,   -1 ],
  [   -1,    1,    0,   -1,   -1 ],
  [   -1,    1,   -1,    0,   -1 ],
  [   -1,    1,   -1,   -1,    0 ],
  [    0,    0,    0,    0,   -1 ] ]
----------
```

```
[[  -1,    1,    0,   -1,    0 ],
 [  -1,    1,   -1,    0,   -1 ],
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 [  -1,    1,   -1,   -1,    0 ],
 [   0,    1,   -1,   -1,    0 ]]
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[[  -1,    1,    0,   -1,    0 ],
 [  -1,    1,    0,   -1,   -1 ],
 [  -1,    1,    0,   -2,    0 ],
 [  -1,    1,   -1,   -1,    0 ],
 [   0,    1,   -1,   -1,    0 ]]
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[[  -1,    0,   -1,    1,   -1 ],
 [  -1,   -1,    0,    2,   -2 ],
 [   0,   -1,    0,    1,   -1 ],
 [   0,    0,   -1,    1,   -1 ],
 [   0,    0,    0,    0,   -1 ]]
----------
[[  -2,    1,   -2,    1,   -1 ],
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 [  -1,    0,   -1,    1,   -1 ],
 [  -1,    1,   -1,    0,   -1 ],
 [   0,    0,   -1,    1,   -1 ]]
----------
[[  -1,    1,    0,   -2,    0 ],
 [  -1,    1,   -1,   -1,    0 ],
 [  -1,    0,    0,    0,    0 ],
 [   0,    0,    0,   -1,    0 ],
 [   0,    0,    0,    0,   -1 ]]
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[[   0,   -1,    1,    0,    0 ],
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 [   0,   -1,    0,    0,    0 ],
 [   0,    0,    0,   -1,    0 ],
 [   0,    0,    0,    0,   -1 ]]
----------
[[   0,   -1,    0,    1,    0 ],
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 [   0,   -1,    0,    1,   -1 ],
 [   0,   -1,    0,    2,   -2 ],
 [   0,    0,   -1,    1,   -1 ]]
```

```
----------
[ [  -1,   -1,    0,    2,   -1 ],
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   [  -1,    0,   -1,    1,   -1 ],
   [  -1,   -1,    0,    2,   -2 ],
   [   0,    0,   -1,    1,   -1 ] ]
----------
[ [   0,   -1,    0,    1,    0 ],
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   [   0,   -1,    0,    2,   -2 ],
   [   0,   -1,    1,    1,   -1 ],
   [   1,   -1,    0,    1,   -1 ] ]
----------
[ [   0,   -1,    0,    1,    0 ],
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   [   1,   -2,    1,    1,   -1 ],
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   [   1,   -1,    0,    0,    0 ] ]
----------
[ [   0,   -1,    0,    1,    0 ],
   [   0,   -1,    0,    1,   -1 ],
   [   0,   -1,    1,    0,    0 ],
   [   1,   -1,    0,    0,    0 ],
   [   0,   -1,    0,    0,    0 ] ]
----------
[ [   0,    0,    0,   -1,    1 ],
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   [   0,    1,   -1,   -1,    0 ],
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   [   0,    0,    0,   -1,    0 ] ]
----------
[ [  -1,    1,    0,   -2,    1 ],
   [   0,    0,    0,   -1,    1 ],
   [  -1,    1,    0,   -2,    0 ],
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----------
[ [  -1,    1,   -1,   -1,    1 ],
   [  -1,    1,    0,   -2,    1 ],
   [   0,    0,    0,   -1,    1 ],
   [  -1,    1,   -1,   -1,    0 ],
```

```
  [    0,    1,   -1,   -1,    0 ] ]
----------
[ [   -1,    1,    0,   -2,    1 ],
  [   -1,    1,    0,   -1,    0 ],
  [   -1,    1,    0,   -2,    0 ],
  [   -1,    1,   -1,   -1,    0 ],
  [    0,    1,   -1,   -1,    0 ] ]
----------
[ [    0,    0,    0,   -1,    1 ],
  [    1,    1,    0,   -3,    1 ],
  [    0,    1,    0,   -2,    0 ],
  [    0,    0,    1,   -1,    0 ],
  [    1,    0,    0,   -1,    0 ] ]
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  [    1,   -1,    0,    0,    0 ] ]
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[ [    1,   -1,    1,   -1,    1 ],
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  [    1,    0,    0,   -1,    0 ] ]
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[ [    0,    0,    0,   -1,    1 ],
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  [    0,    0,    0,   -1,    0 ] ]
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[ [    0,    0,    0,   -1,    1 ],
  [    1,   -1,    1,   -1,    1 ],
  [    1,   -1,    1,   -1,    0 ],
```

```
  [   1,   0,   0,  -1,   0 ],
  [   1,  -1,   0,   0,   0 ] ]
----------
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----------
[ [   0,   0,   0,  -1,   1 ],
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  [   0,  -1,   1,   0,   0 ],
  [   1,  -1,   0,   0,   0 ],
  [   0,  -1,   0,   0,   0 ] ]
----------
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  [   0,  -1,   1,   0,   1 ] ]
----------
[ [   0,   0,   0,  -1,   1 ],
  [   1,  -1,   1,  -1,   1 ],
```

```
     [    2,   -1,    0,   -1,    1 ],
     [    1,   -1,    0,    0,    1 ],
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----------
[ [   -1,    1,    0,   -2,    0 ],
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  [    0,    0,    0,    0,   -1 ] ]
----------
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  [    0,   -1,    0,    1,   -1 ],
  [    0,    0,   -1,    1,   -1 ] ]
----------
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  [    0,    1,   -1,   -1,    0 ],
  [    0,    0,    0,   -1,    0 ] ]
----------
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  [    0,    0,    0,   -1,    0 ] ]
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[ [    0,    0,    0,   -1,    1 ],
```

```
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Number: 1656
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