

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 1 | 0 | 1 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 0 |
| 0 | 1 | 0 | 1 | 0 | 1 |
| 0 | 1 | 0 | 0 | 0 | 1 |
| 1 | 0 | 1 | 1 | 0 | 0 |
| 0 | 1 | 1 | 1 | 1 | 0 |

Input

|   |   |   |
|---|---|---|
| 1 | 0 | 1 |
| 1 | 1 | 1 |
| 0 | 1 | 0 |

Patch

\*

|   |   |   |
|---|---|---|
| 1 | 2 | 3 |
| 4 | 5 | 6 |
| 7 | 8 | 9 |

Kernel  
(convolution filter)

=

|    |  |  |  |
|----|--|--|--|
| 27 |  |  |  |
|    |  |  |  |
|    |  |  |  |
|    |  |  |  |

Output