

Kernel

| | | |
|-------|-------|-------|
| k_1 | k_4 | k_7 |
| k_2 | k_5 | k_8 |
| k_3 | k_6 | k_9 |

\times

| | | |
|---|---|---|
| a | d | g |
| b | e | h |
| c | f | i |

Input

| | | | | | | |
|-------|-------|-------|--|--|--|--|
| k_1 | k_4 | k_7 | | | | |
| k_2 | k_5 | k_8 | | | | |
| k_3 | k_6 | k_9 | | | | |
| | | | | | | |
| | | | | | | |
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Upsampled
input at step 1