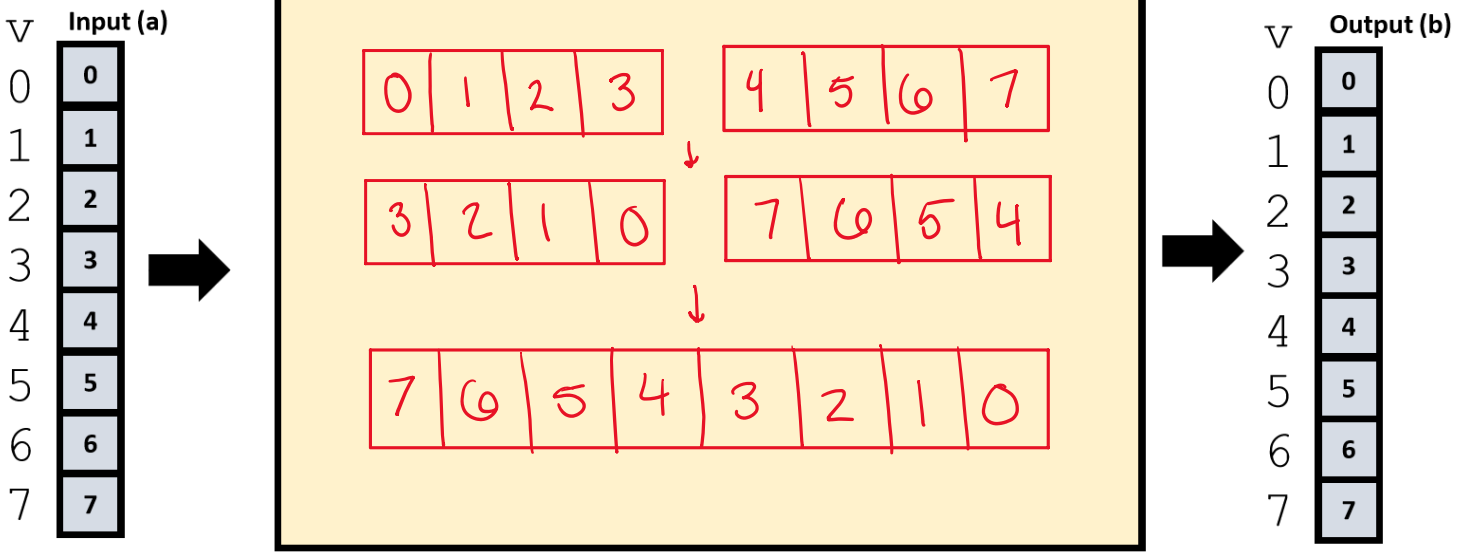
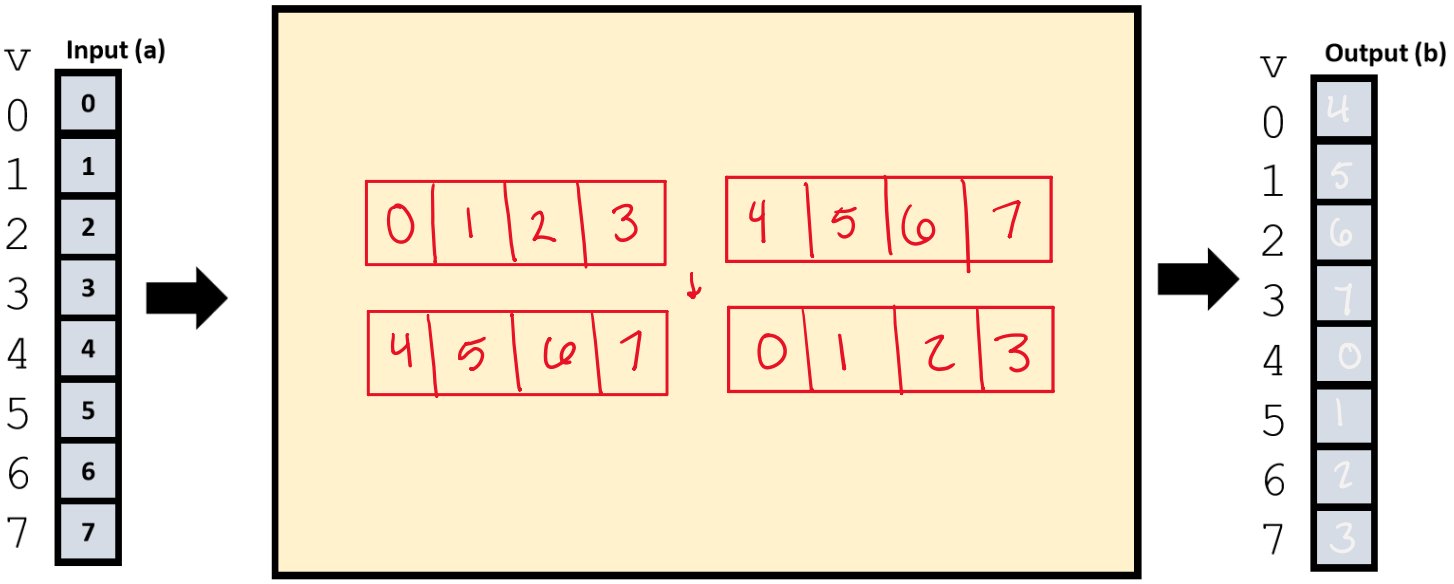
PG4 Figures

Saturday, October 11, 2025 4:25 PM

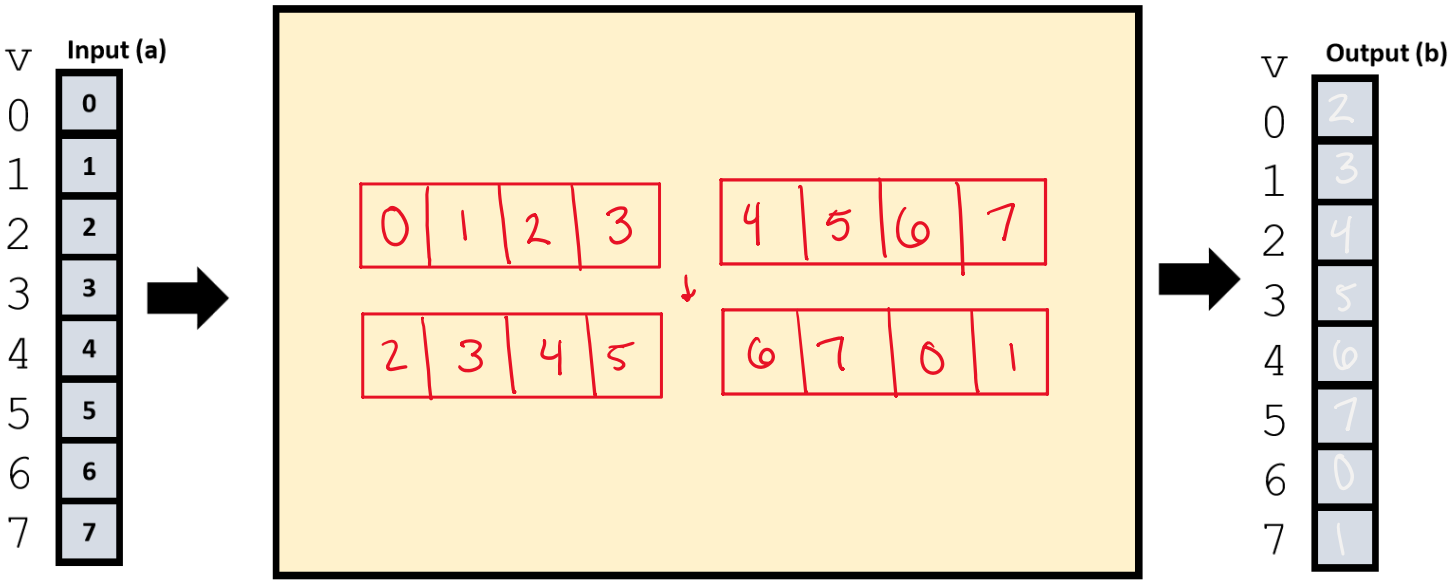
01: test_reverse_8xfloat



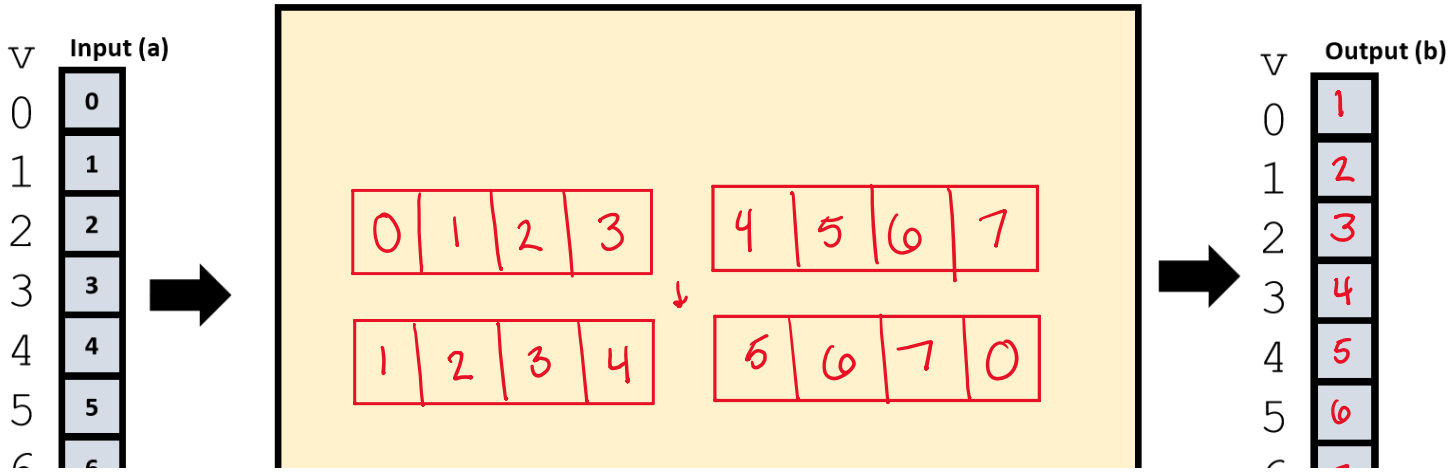
02: test_rotate_by_4_8xfloat:

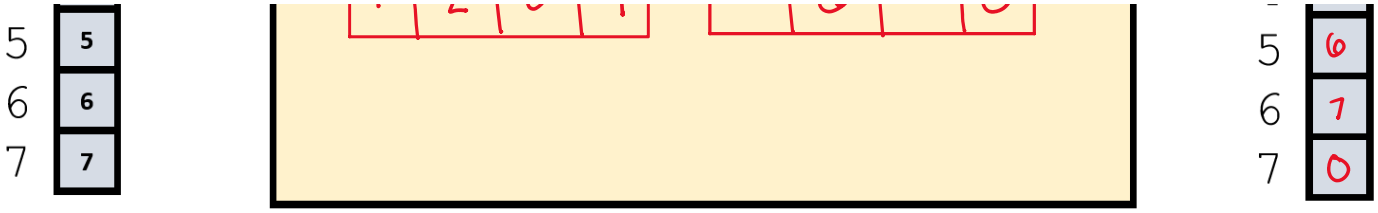


03: test_rotate_by_2_8xfloat:

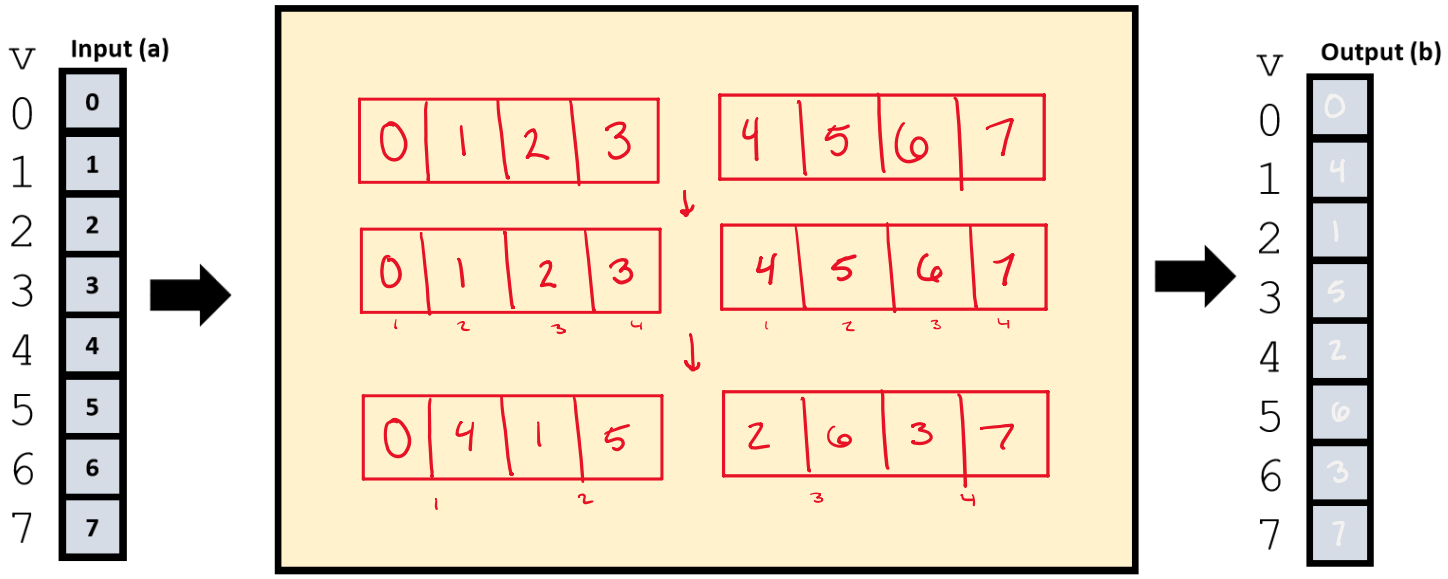


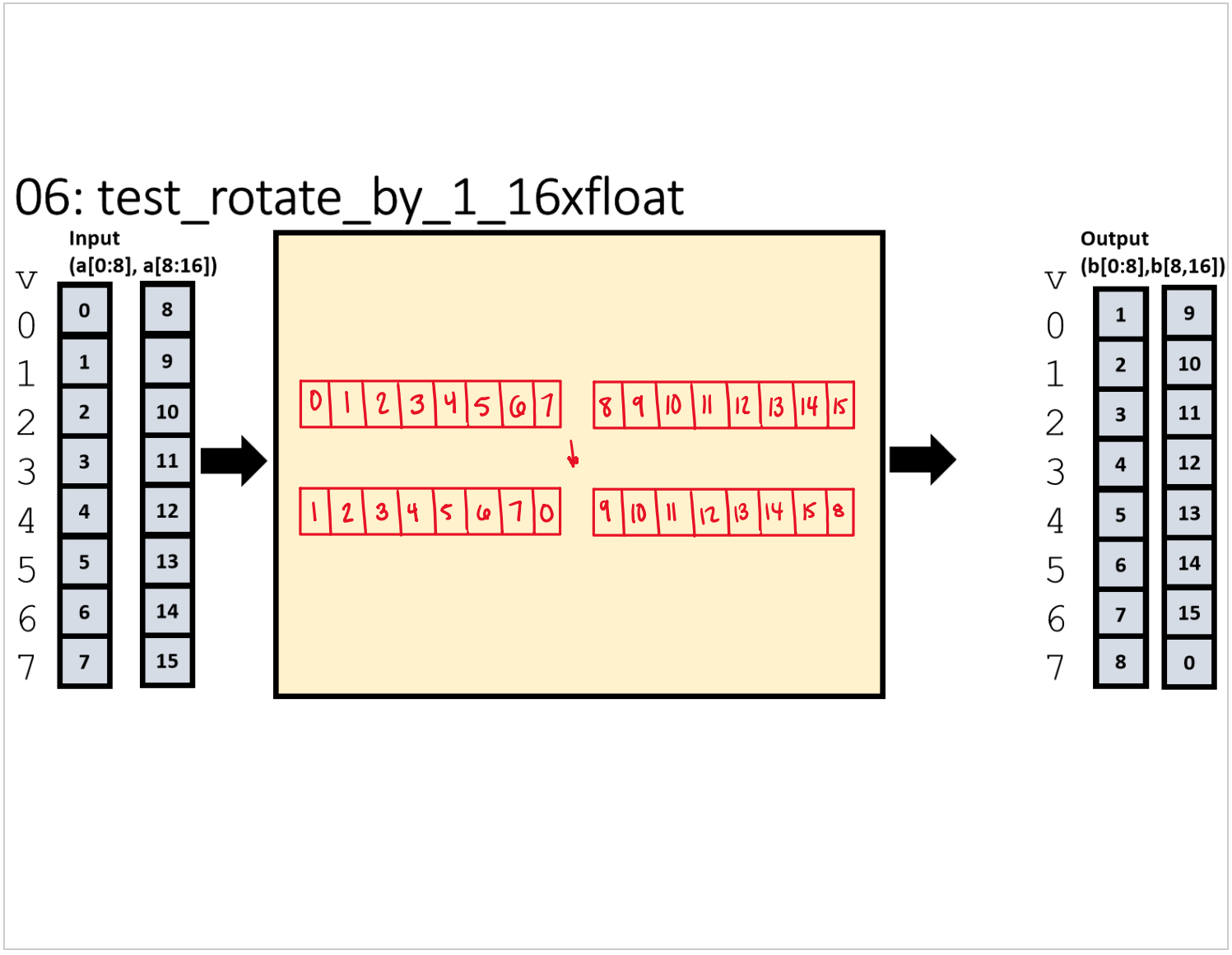
04: test_rotate_by_1_8xfloat



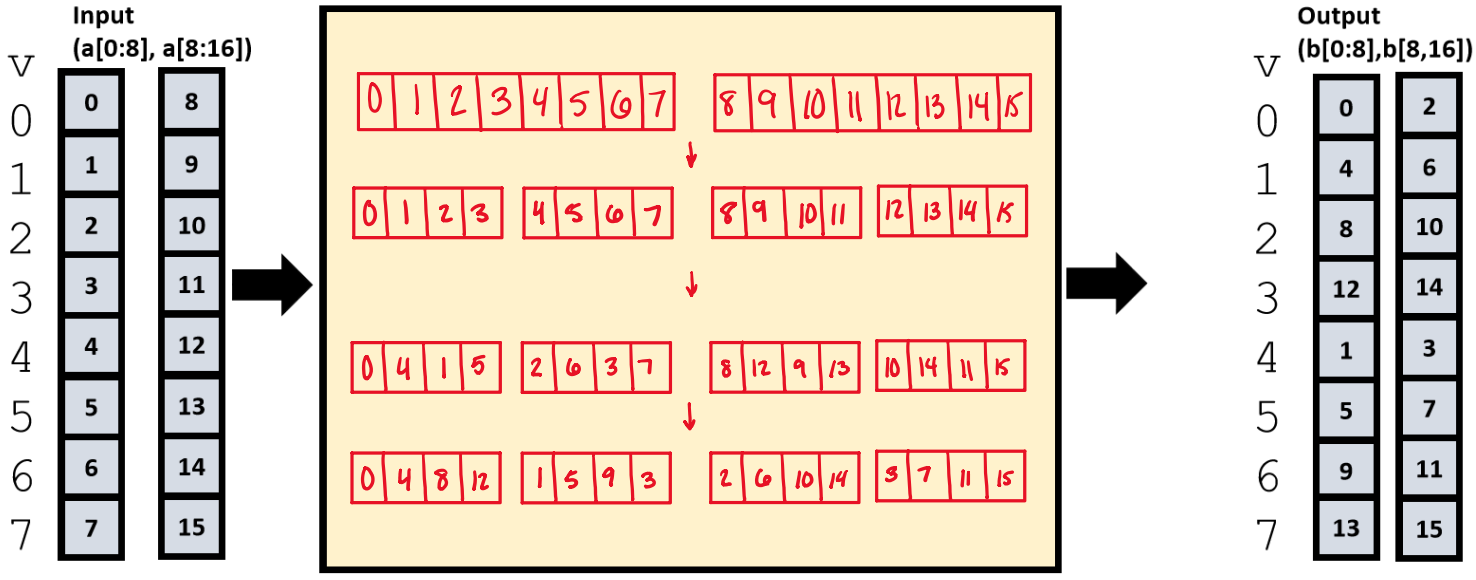


05: test_transpose_4x2_colmaj_8xfloat

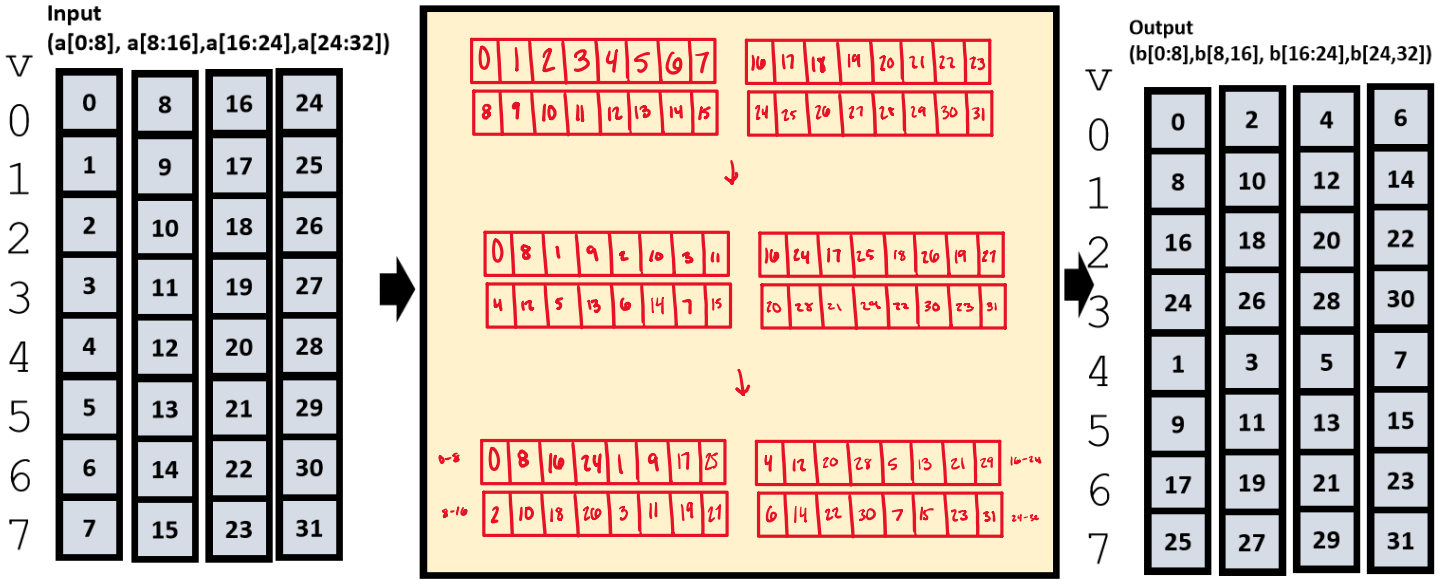



06: test_rotate_by_1_16xfloat
Input
(a[0:8], a[8:16])
v
0 1 2 3 4 5 6 7
0 1 2 3 4 5 6 7
8 9 10 11 12 13 14 15
1 2 3 4 5 6 7 0
9 10 11 12 13 14 15 8
Output
(b[0:8],b[8,16])
v
0 1 2 3 4 5 6 7
1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 0

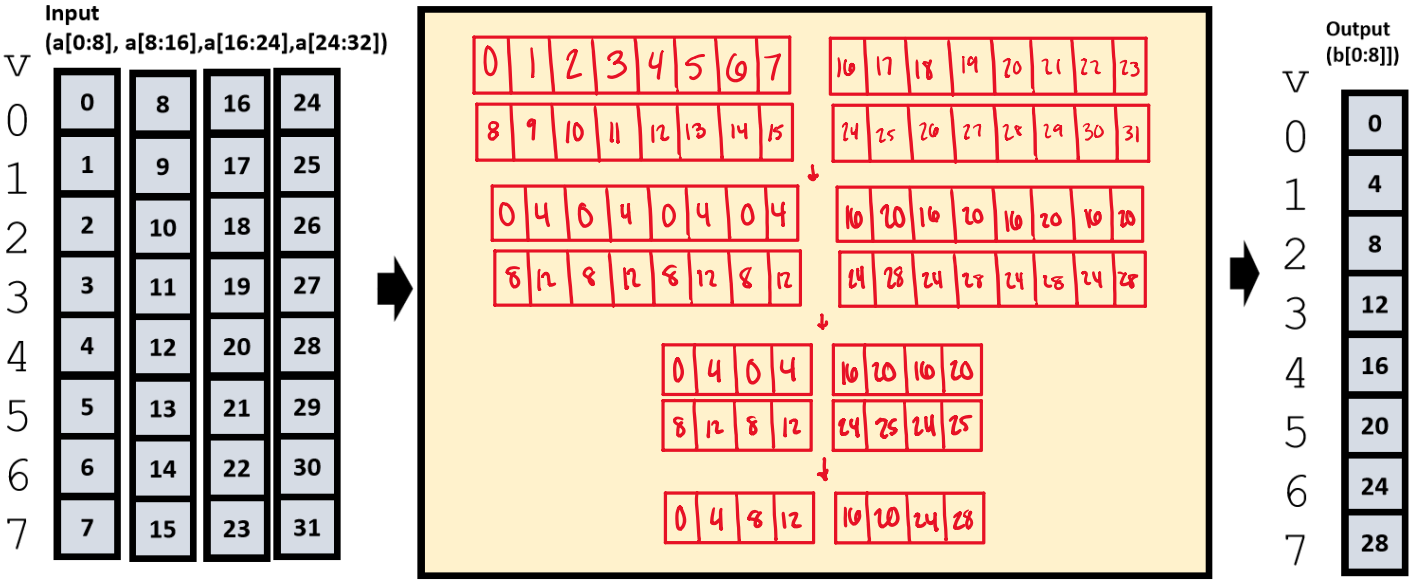
07: test_transpose_4x4_colmaj_8xfloat:



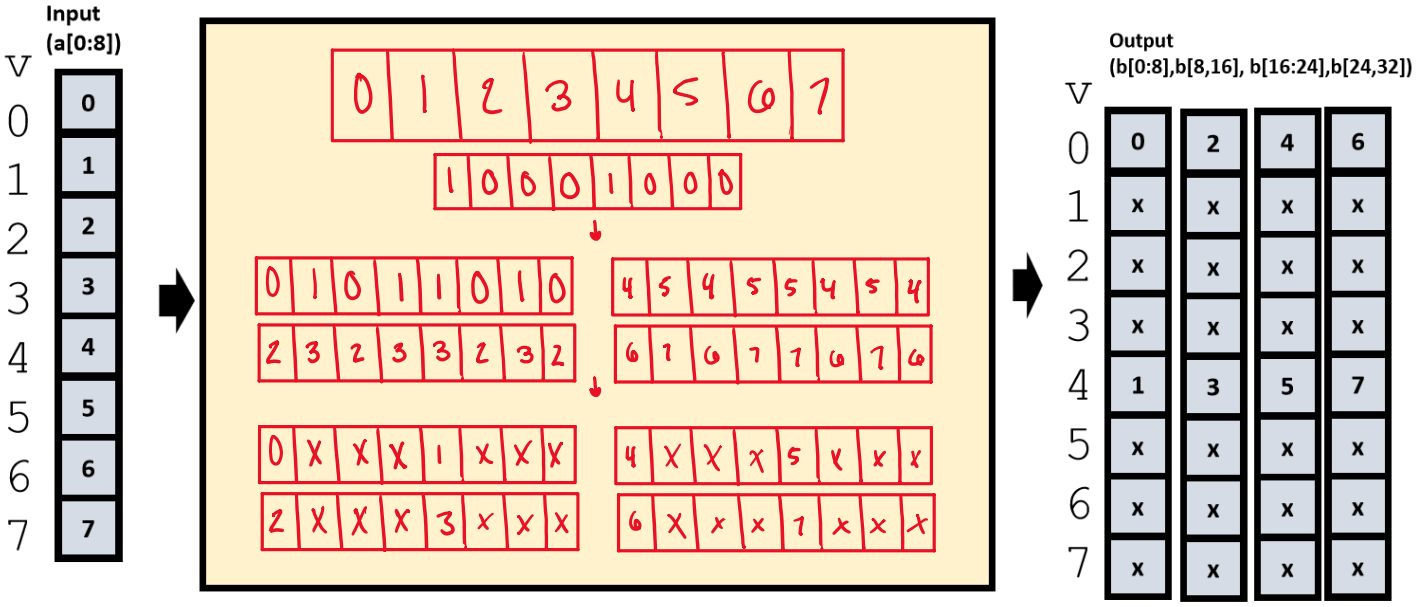
08: test_transpose_8x4_colmaj_8xfloat:



09: test_gather_at_stride_8xfloat:



10: test_scatter_at_stride_8xfloat:

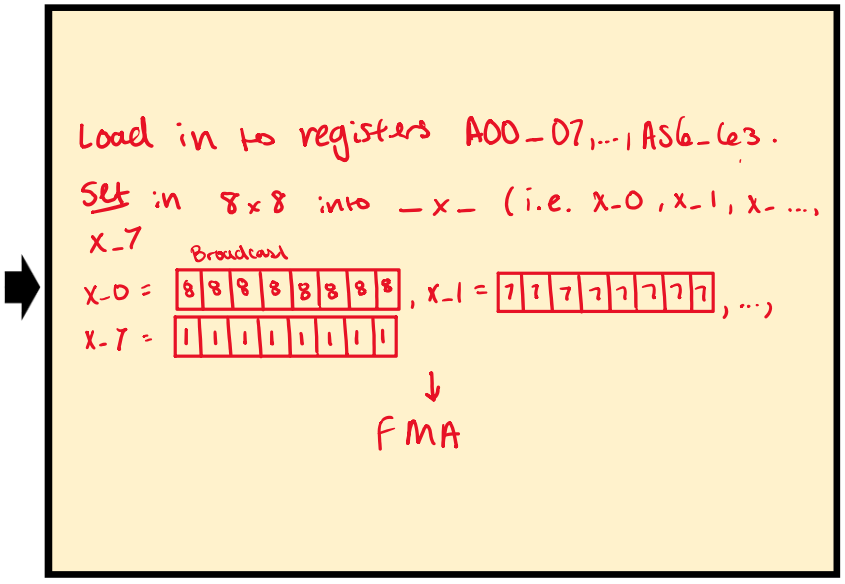


11: test_matvec_8x8_colmaj_8xfloat:

Input

```
a[ 0: 8] = [  1,  2,  3,  4,  5,  6,  7,  8, ]
a[ 8:16] = [  9, 10, 11, 12, 13, 14, 15, 16, ]
a[16:24] = [ 17, 18, 19, 20, 21, 22, 23, 24, ]
a[24:32] = [ 25, 26, 27, 28, 29, 30, 31, 32, ]
a[32:40] = [ 33, 34, 35, 36, 37, 38, 39, 40, ]
a[40:48] = [ 41, 42, 43, 44, 45, 46, 47, 48, ]
a[48:56] = [ 49, 50, 51, 52, 53, 54, 55, 56, ]
a[56:64] = [ 57, 58, 59, 60, 61, 62, 63, 64, ]
```

```
x[ 0: 8] = [  8,  7,  6,  5,  4,  3,  2,  1, ]
```



Output

```
yt[ 0: 8] = [ 707, 743, 779, 815, 851, 887, 923, 959, ]
```