

\mathbf{A}

1	0	$-\infty$
$-\infty$	1	$-\infty$
$-\infty$	$-\infty$	0

inputs (logits)

 $\exp(\mathbf{A})$

2.7	1	0
0	2.7	0
0	0	1

row-wise sum

 $\exp(\mathbf{A}) \cdot \mathbf{1}^m$

3.7
2.7
1

 $\frac{\exp(\mathbf{A})}{\exp(\mathbf{A}) \cdot \mathbf{1}^m}$

0.7	0.3	0
0	1	0
0	0	1

inputs (softmax)