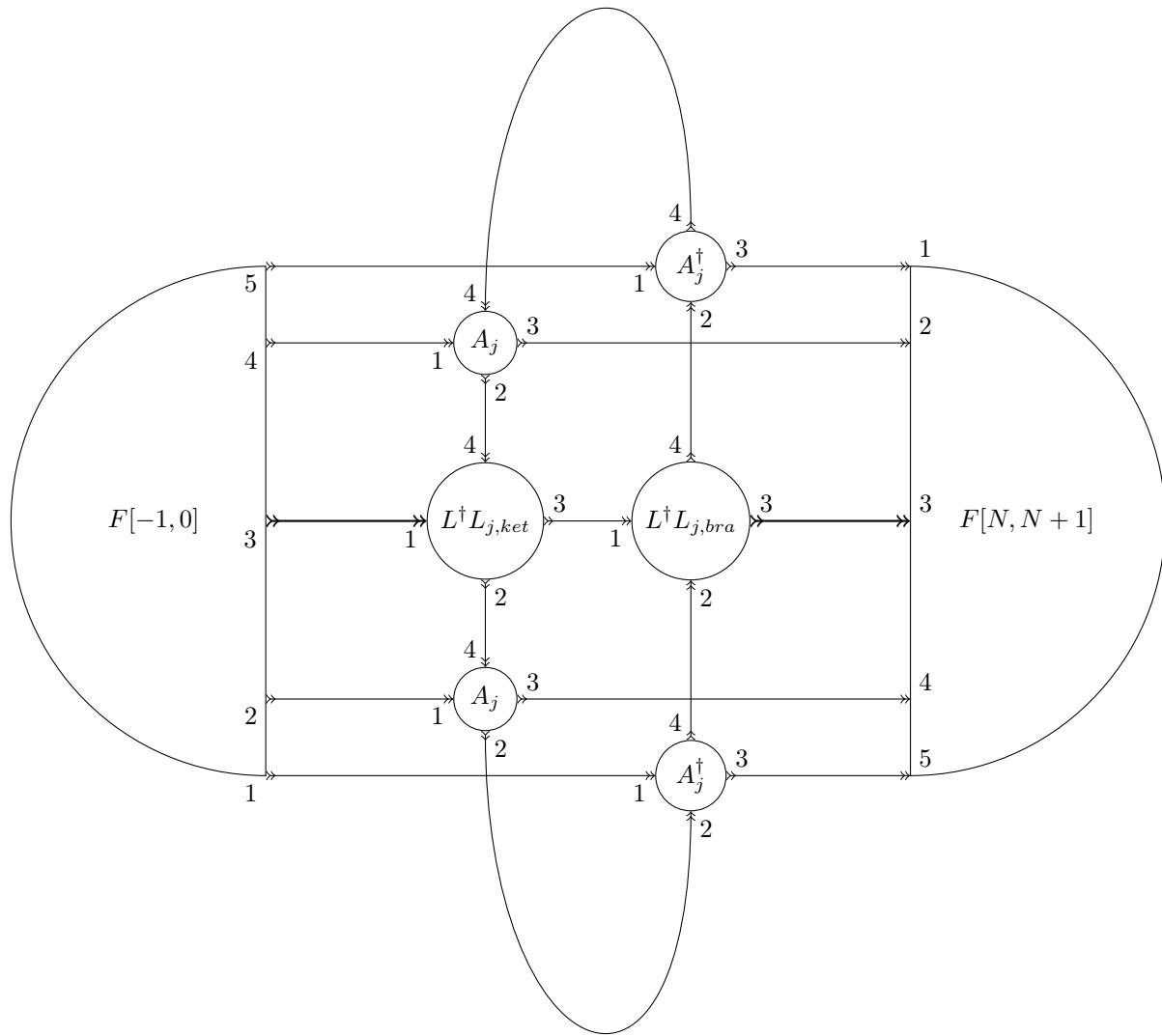


1 Structure

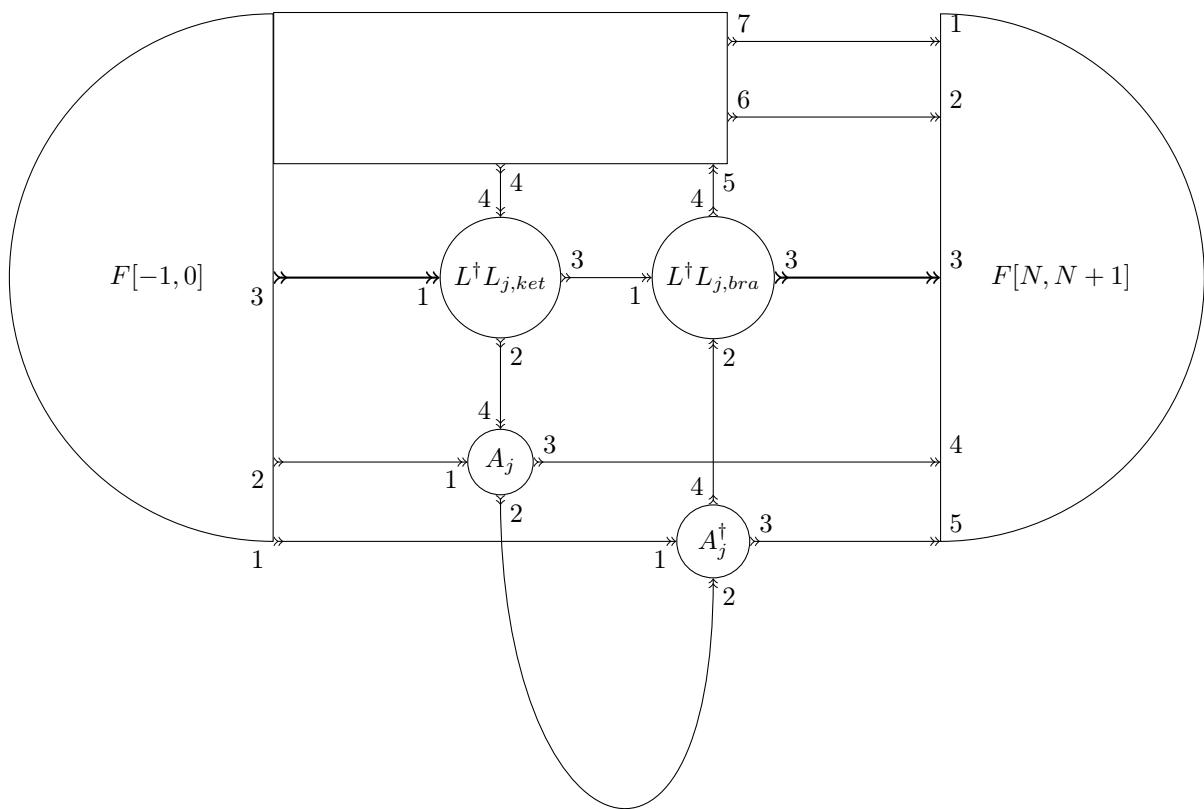
1.1 Notice

It is important to note, that despite axes being indexed beginning with 0 within yastn, we begin indexing on 1. That is because on contracting we begin with -1 for assigning indices for the legs of the contracted tensor.

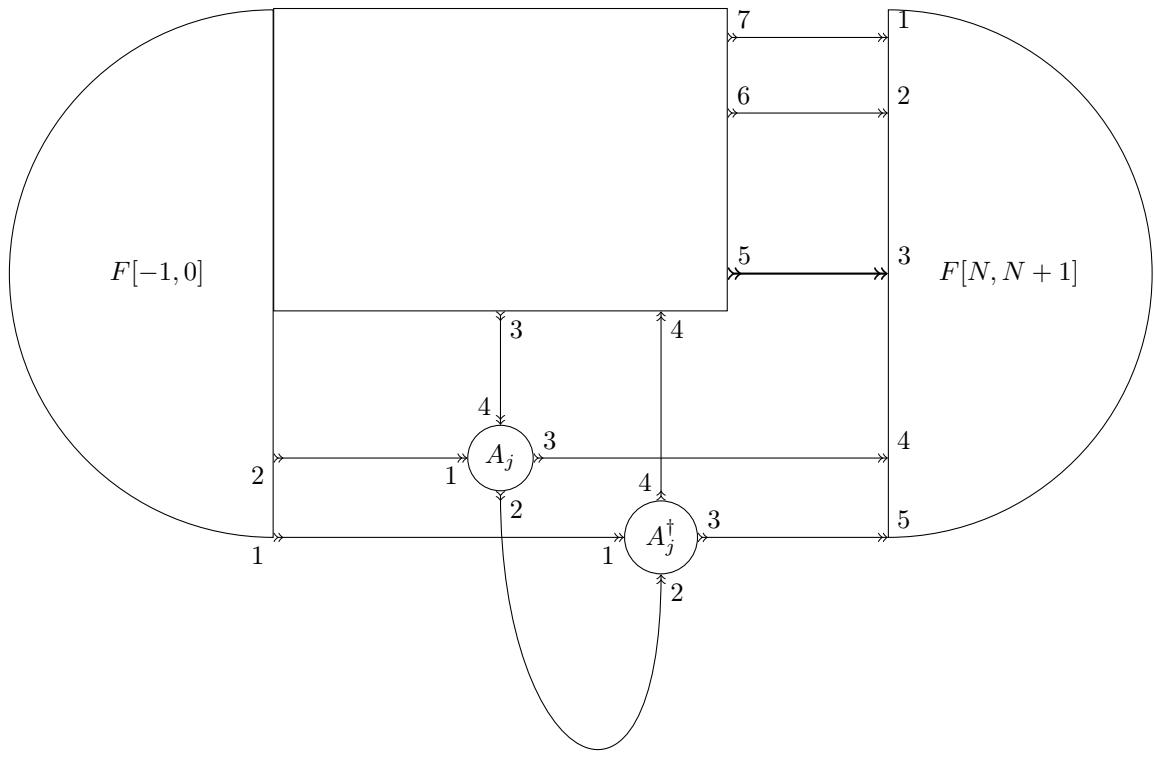


1.2 Left side contraction

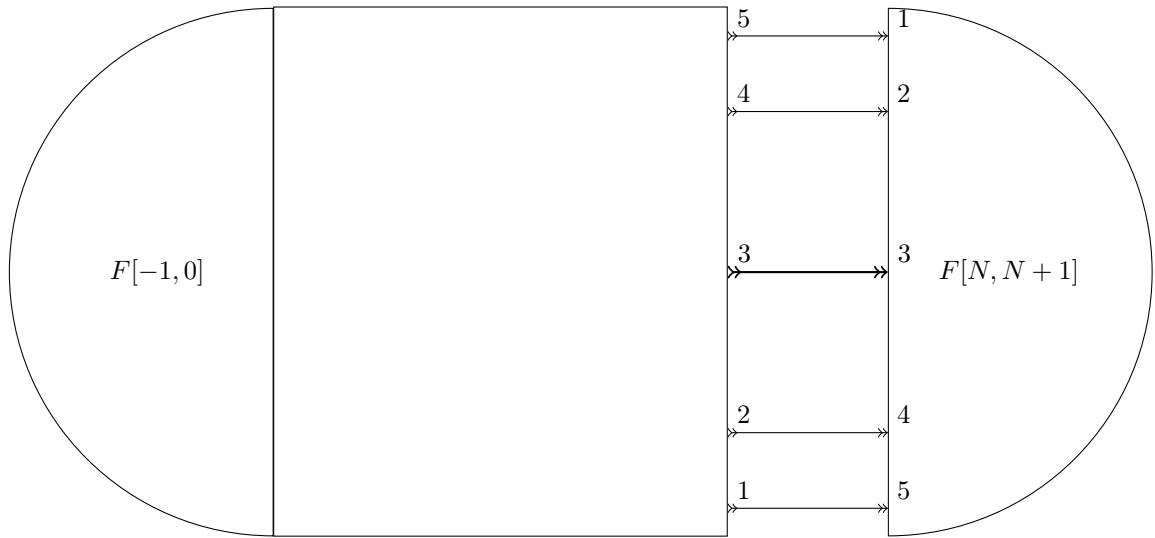
First the 'upper' Tensors are contracted.



Then the Lindbladian Components are contracted.

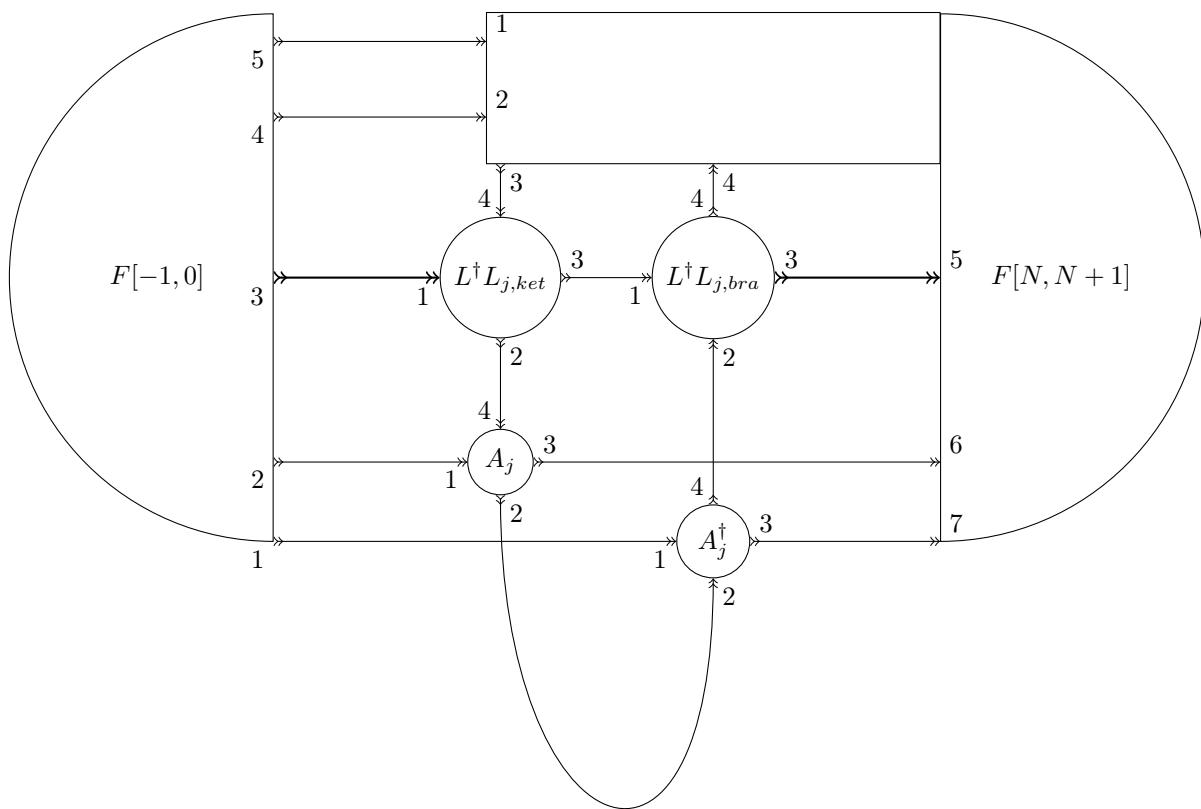


And lastly the 'lower' Tensors are contracted.

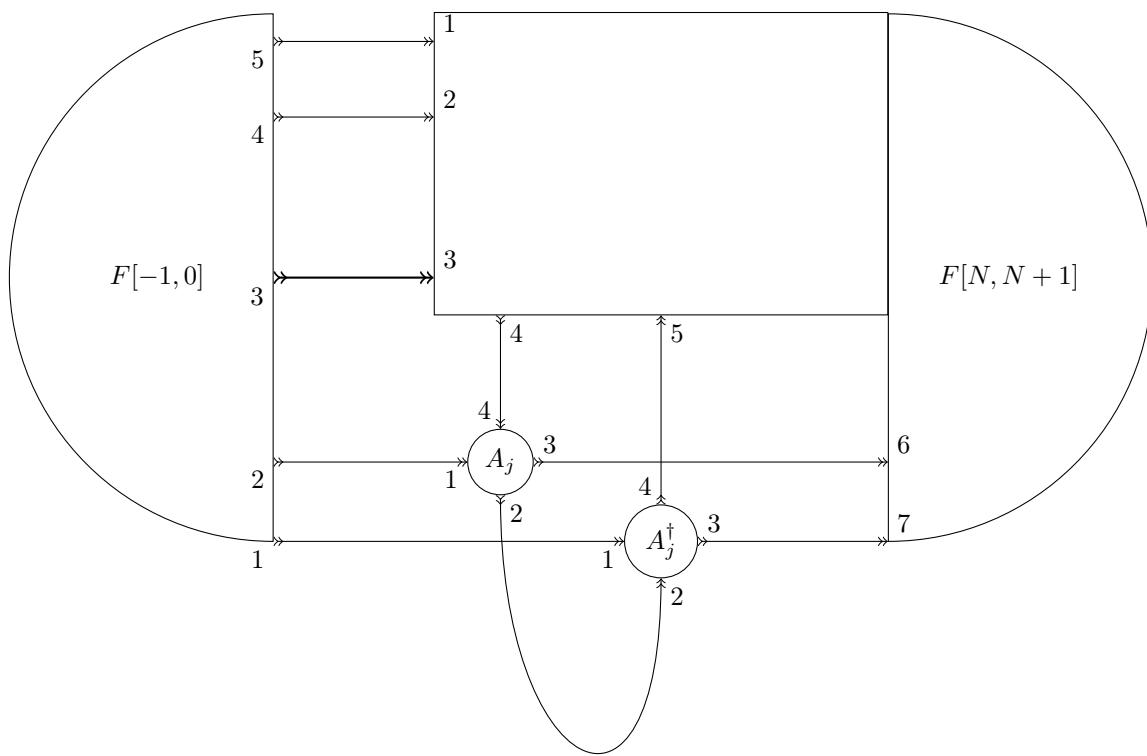


1.3 Right side contraction

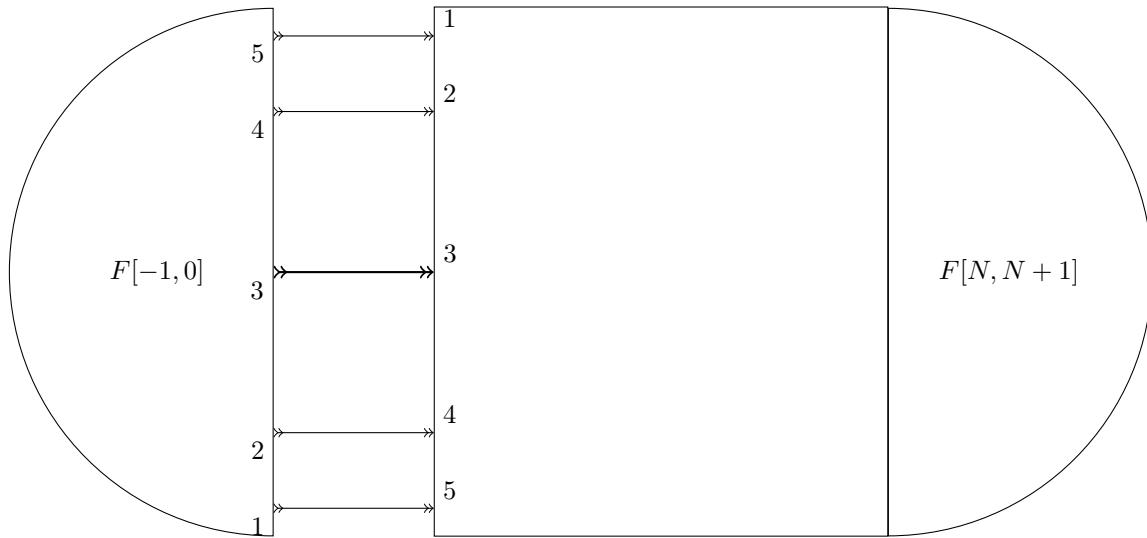
First the 'upper' Tensors are contracted.



Then the Lindbladian Components are contracted.



And lastly the 'lower' Tensors are contracted



2 Heff1

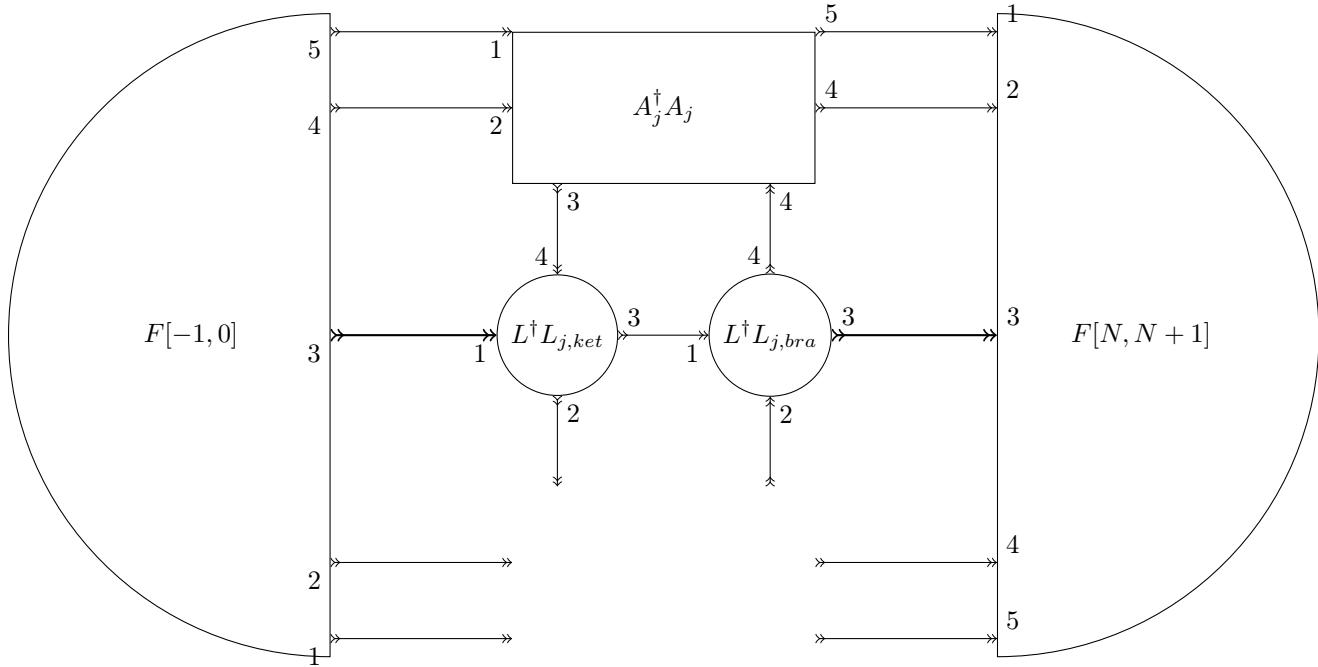
2.1 Description

Heff1 is the Action of Heff on a site MPS tensor Heff1 @ AdagA

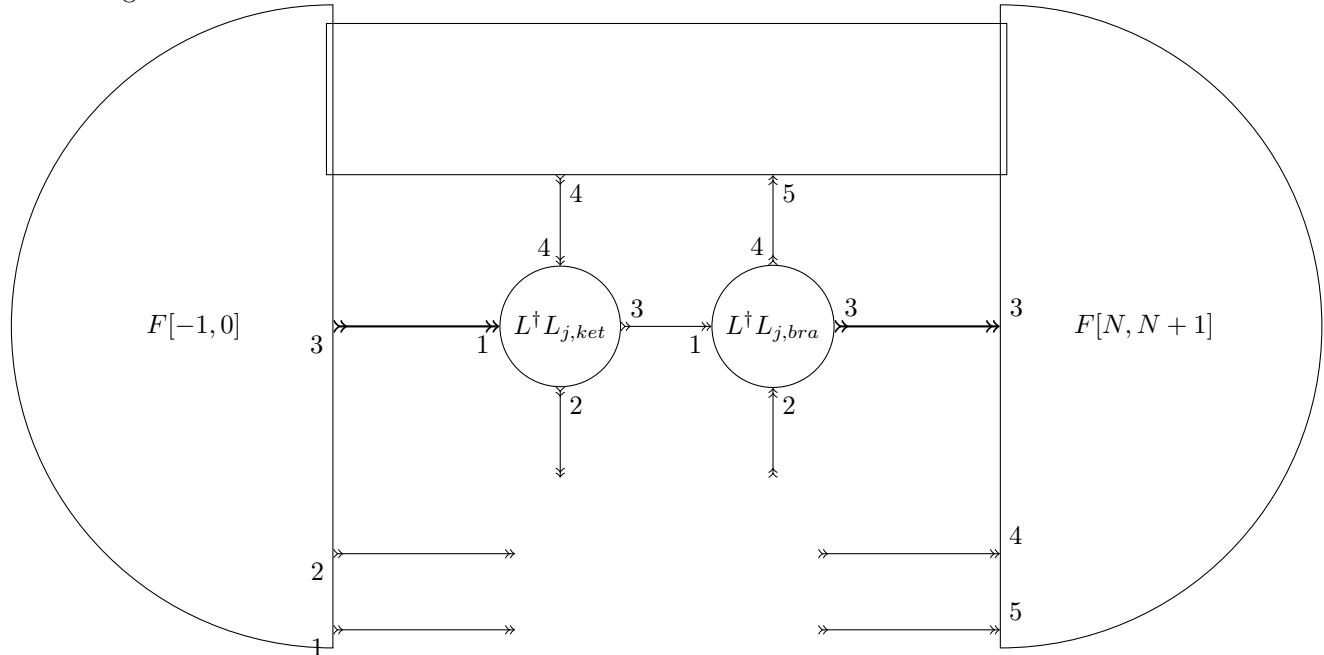
2.2 Parameters

- AdagA (tensor) - site tensor with 6 legs
- n (int) - index of corresponding site

2.3 Procedure



First AdagA is contracted.



Then the Operators are contracted.

