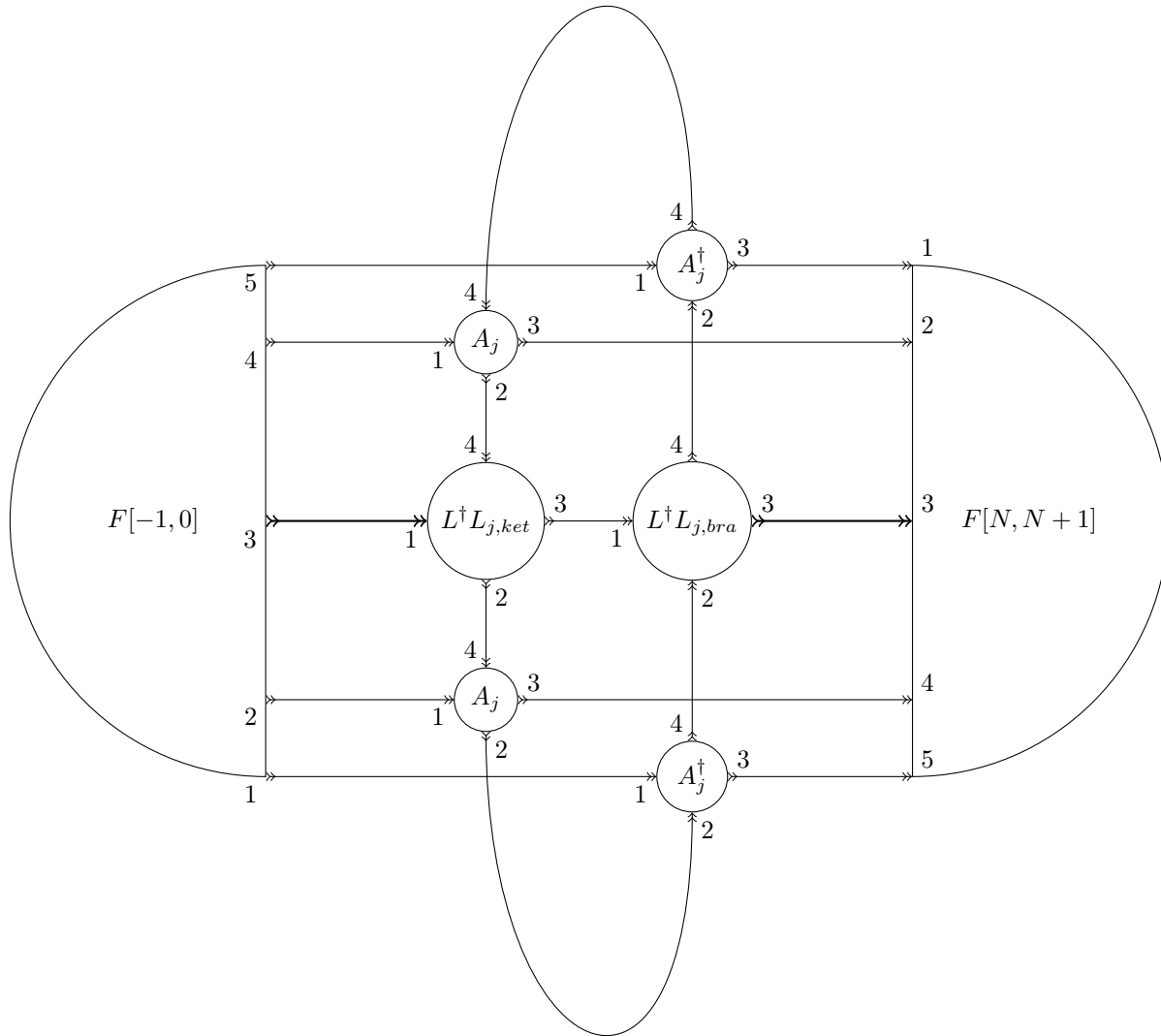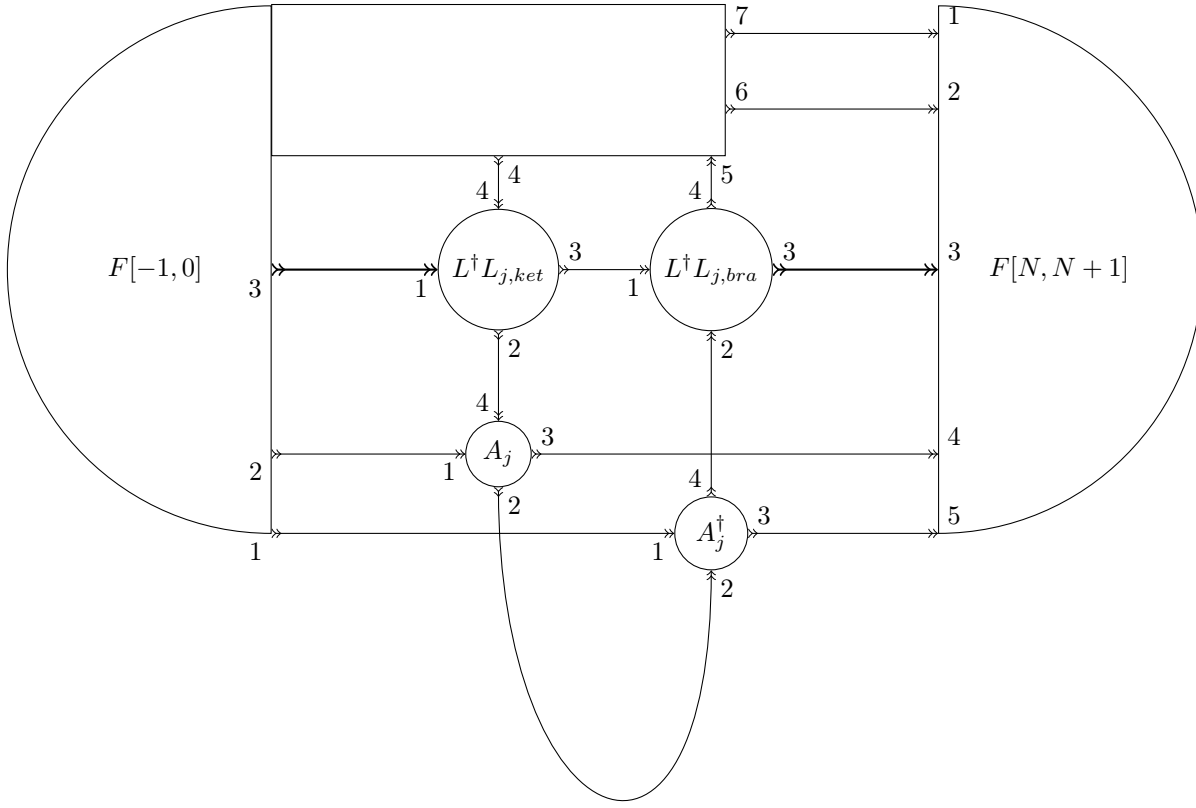# 1 Structure

1 (a) 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 beging with -1 for assigning indices for the legs of the contracted tensor.
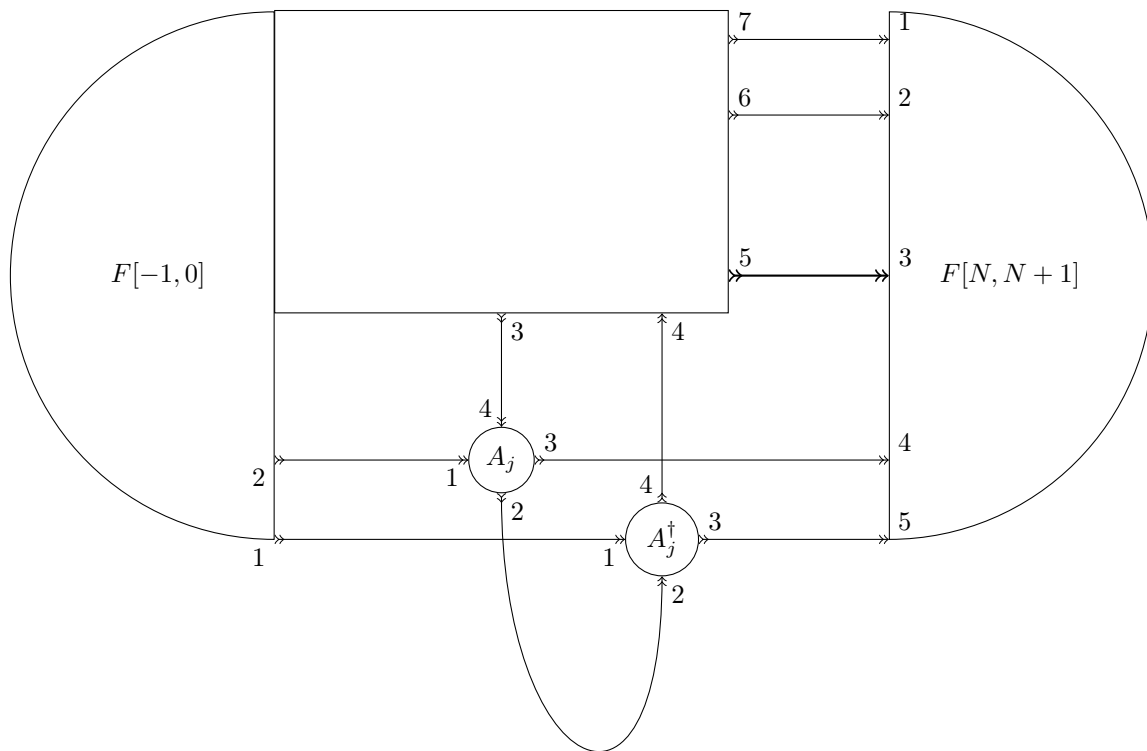

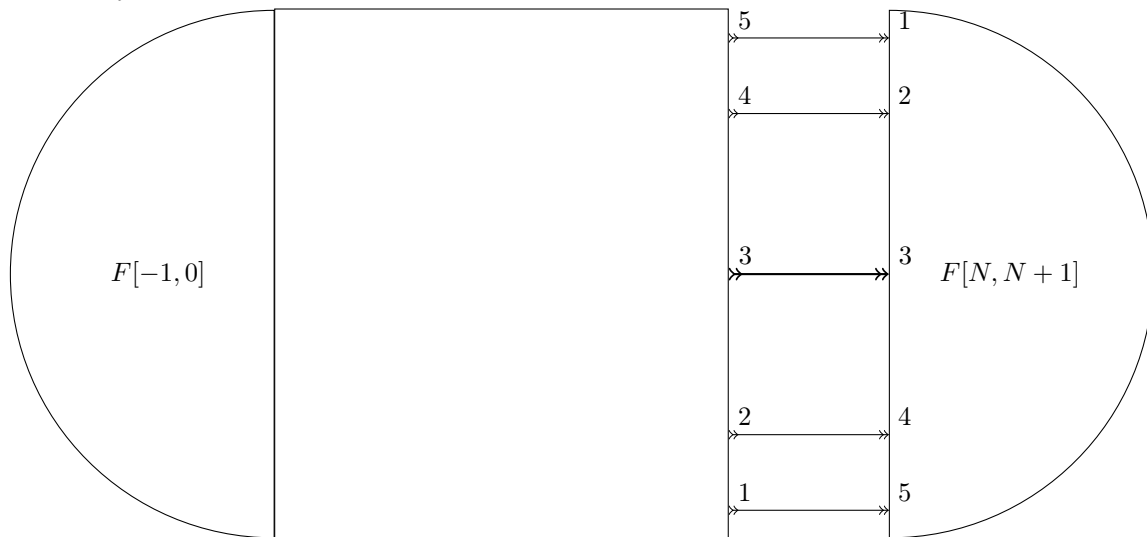## 1 (b) Left side contraction

First the 'upper' Tensors are contracted.
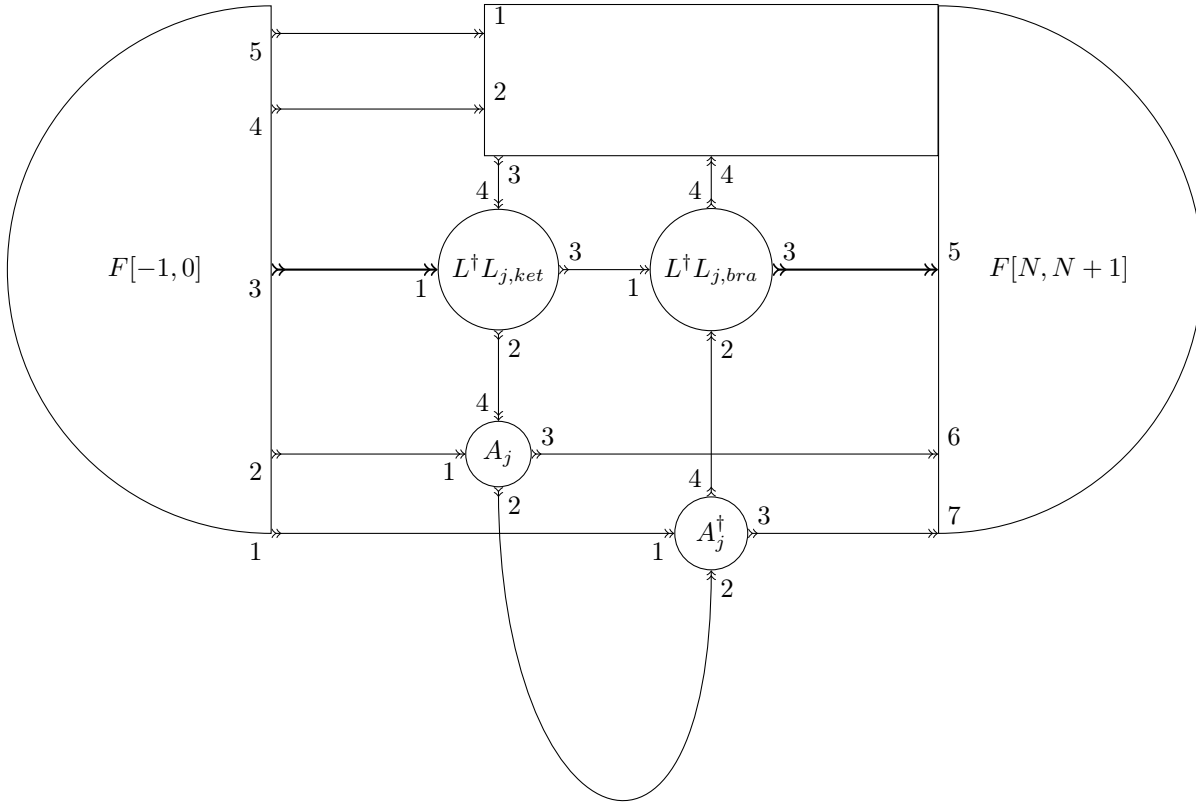
Then the Lindbladian Components are contracted.

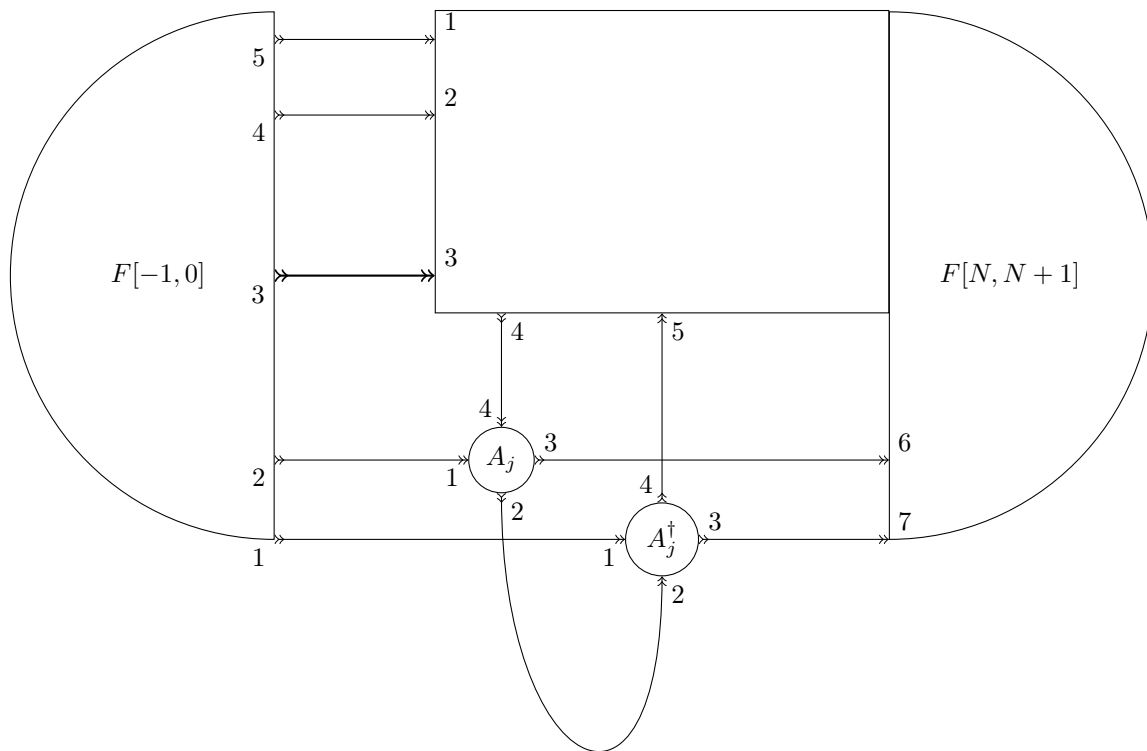And lastly the 'lower' Tensors are contracted.

1 (c)   Right side contraction

First the 'upper' Tensors are contracted.

Then the Lindbladian Components are contracted.

$F[-1,0]$

$F[N,N+1]$

A_j

$A_j^\dagger$

And lastly the 'lower' Tensors are contracted

$F[-1,0]$

$F[N,N+1]$