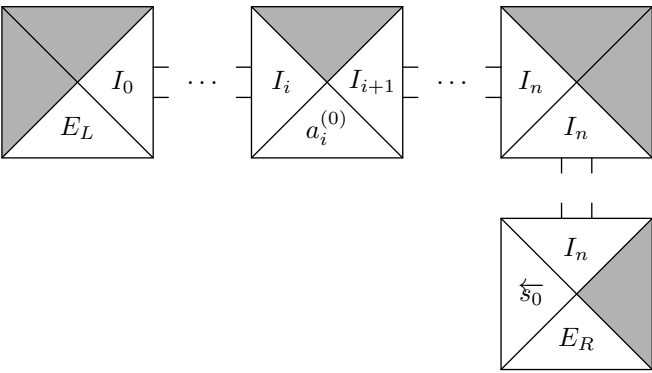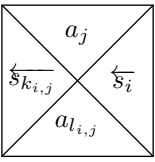Input tape:

Comes from right, continues left:

Comes from right, continues back to the right: