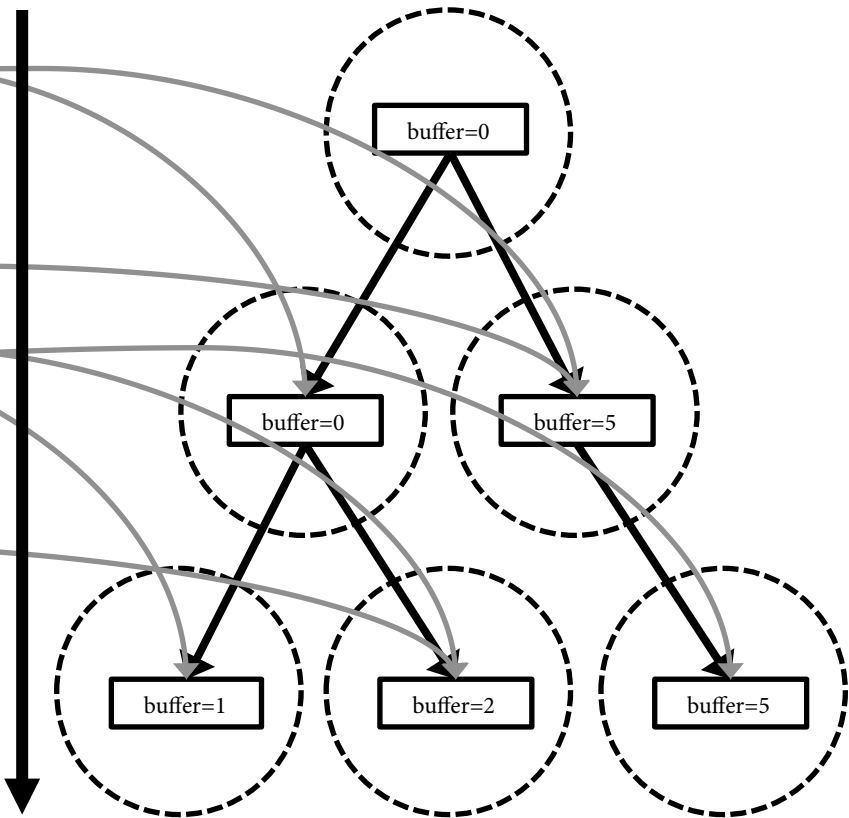Allocation Requests

Buffer indexing