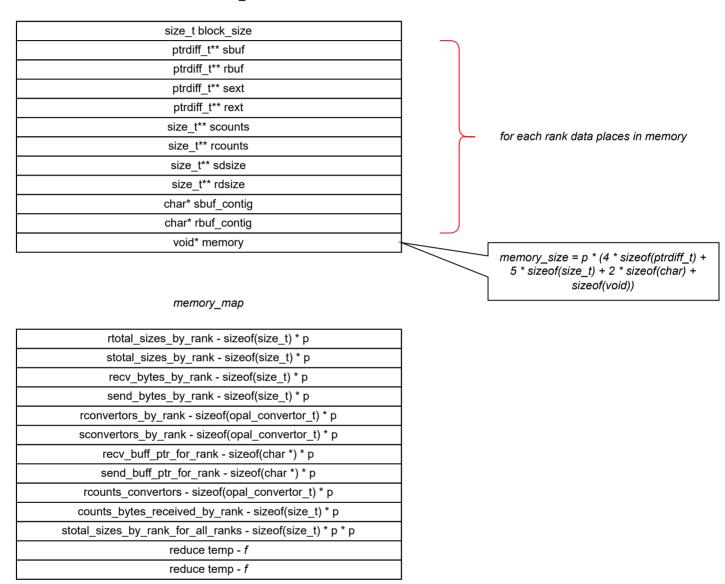
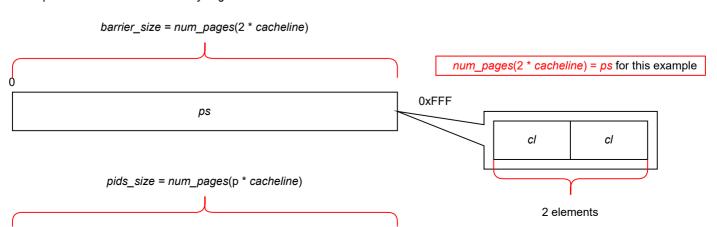
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Terms q = \text{queue} p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4 p = 4
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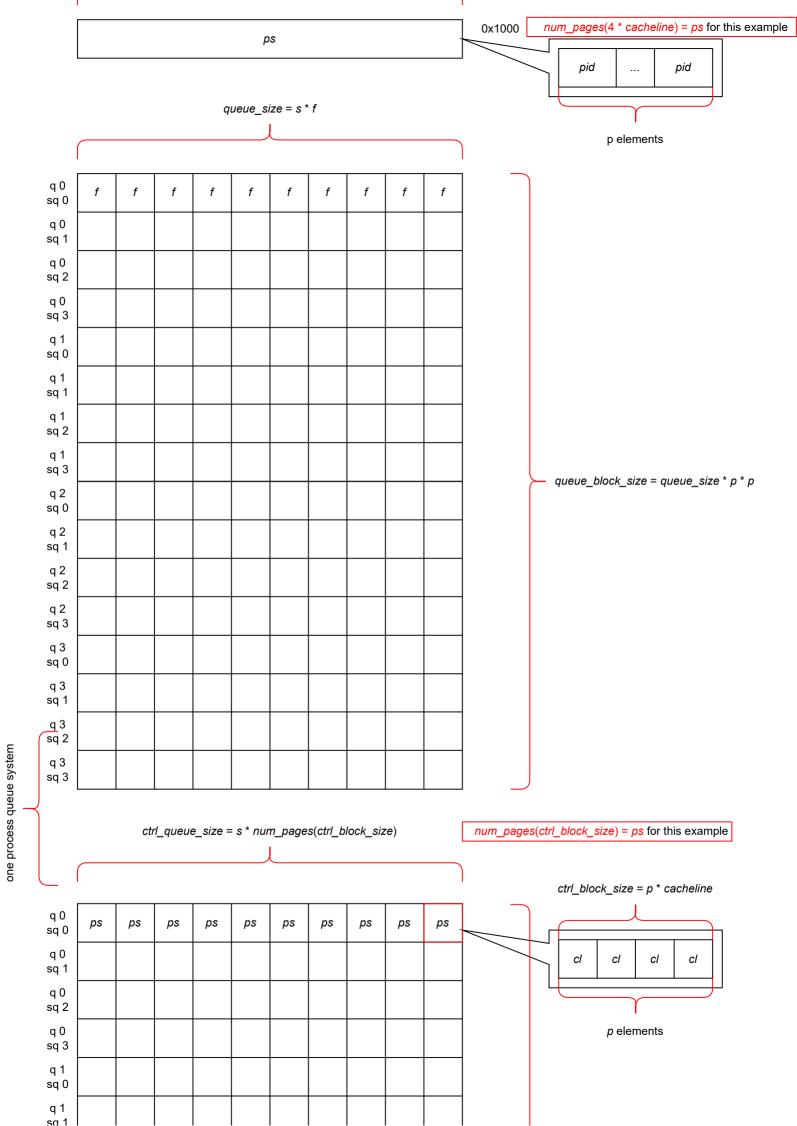
Example structure of local data segment

struct collectivies_info



Example structure of shared memory segment





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q 1 sq 2					
q 1 sq 3					
q 2 sq 0					
q 2 sq 1					
q 2 sq 2					
q 2 sq 3					
q 3 sq 0					
q 3 sq 1					
q 3 sq 2					
q 3 sq 3					

- ctrl_block_size = ctrl_queue_size * p * p