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| **semaphores** |
| pickMovie(1) |
| boxOfficeCreated(0) |
| buyTicket(0) |
| sellTicket(1) |
| ticketSold(1) |
| seeTicketTaker(0) |
| ticketSoldOut(1) |
| tearTicket(1) |
| concessionStandSem(0) |
| requestToBuy(1) |
| orderTaken(1) |
| orderReceived(1) |
| enterMovieSem(0) |
| boxOfficeDone(0) |
| notBuyingSnack(1) |
| enterMovieSem(0) |
| enterMovie(1) |
| totalNumberOfCust(0) |

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| **queues** |
| pickMovieQueue |
| ticketSoldQueue |
| tearTicketQueue |
| requestToBuyQueue |
| orderTakenQueue |
| orderRecievedQueue |