Thin Executer: - Intension is to create more Executers with each Executer holding minimum possible resource

Total of 16 Executors, -with each Executor holding each Executor - 1 core, 4 gb ram

it street an order treet about containing Draw Back !-

- 1. an this Scenario we will be losing the benefits Ob multithreading
- 2. A lot of copies of broadcast variable are required each Executer Should rective it's own copy.

Fat Executor: - Intension is to give maximum resources. each Executor

16 cores, 64 96 ram you can create a Executed which can hold 16 cpu cover and Gy 96 ram

Drawbacks '-

- 1. It is observed that If the Executer holds more than 5 cpu cores then the holfs throught Subbers.
- 2. If the Executer holds very huge amount of memory then the garbage collection takes a lot our time.

gantage collection means removing unused objects from memory.

Here we got to know that Both of them had their own

what is the vight approach - should go with balanced approach men de corte, bet de man (post poor water a south or

- I core is given for other background activities I 9b ram is given for operating system.
- in each node we are now lebt with 15 cores, 6396 ram
- ⇒ we want mulithreading within a Executor (>1 cpu zone per Executor)
- it Subbers when we use more than 5 cores per sucutor)
- -> 5 is the right choice of number of CPU cores in each succutor.
- -, Now we have 15 cores, 6396 Ram -> each machine
- we can have 3 Executors running on each worker node
- -> each Executor will contain 5 cpu cores and 2196 ram
- - = 1.5 GB (overhead / off heap memory) this is not part of containers
- -> That mean in each Executer 5 CPU coves, 19 GB Ram.
- -> we have a 10 node cluster/worker nodes

 10 x 3 = 30 (Executors across the cluster)
- -> 30 Executors -with each Executor holding 5 cpu coves 19618 RAM.
- -> 1 Executer out Ob These 30 will be given for YARN application manager 30-1 = 29 Executers.