TUNT S N Jennay Warragement Forms of Gratings Collection. (2) Reference Country > calls two which one Attack & release (3) Mark PSweep Suphen control increments count on side (F) Copying on Objects Consideral - Survive a gastige collect, it would be around for long time () Incremental - it doesn't look at memory of garbage Collect on me of All a More plan a lidentifies objects that still any less Sweep - remove unused objects Compact these on to compact the memory land Copying a dyear smared from from from from Gergration of Collection ! Maintain different generalin Some lived dijects promoted to different generation is objects stoned in memory under yought Generation undergoes Goodbage collect, in which it is survived in moves into Older Generation. Spaces Generation 3 two Scient for the - Objects Survice GC -> mared to slavivor space 13 to only one survivous space can be used at Moderate a time -> objects Copied b/w Swirtyof spaces Minor Gastage Collection & Berustian Collected Major Garbage Collection - when younger & older Generations & full theo it happen 48 Slower than minor

5 Triggend when termed space is full 1-2 No Jum option to force objects to old space to porterme Size Troughold sens
by all objects larger than and types shall be allocated directly is old space 5 Fach thread hois its own bullers in Edenspace Ly Soft References Collected if there is memory presence > weak will be Collected immediately. Person person = rew Person phantom > refers two differt things. Weak Reference < Person > wr = new Weak Reference < Ferson > (person); WeatReteurce < Person > wor = molten type. SoftReteurce

Sourceiate metadata with another type. SoftReteurce

Sused for caching.

Short weat Retecence: (5 used for caching.

Phantom Retecence > Interaction with GC.

Thantom Retecence > Is cleared then soft retecence is still availance.

The Strong retecence is cleared then Retecence Oneme.

Reference types > Enguered to Retecence Oneme.

Reference types > Large 1 and Phanton reference > least used type. > Used Instead of Initializers -