## Queue by Array Sunday, 12 February 2023 hear front I Meletion > Holdise SIZE 10 DATA-TYPE queue (SIZE). Cuxiliary Subtace fuections: D reset Distrake. (2) insert 3 de lete Element (4) peek (5) display. Explanations: ( in: Fratize (VATA\_TXPEX queur) frost = rear = -1 // index of elements. @ ilsert LDATA\_TSPEX quive, DATA\_TIPE value) special (at: empty i.l. front = = rear = = -1 case: full, i.e. pear == 5176-1 Kethim Genew (out: 3 delote Elenas ( DATIBITEPA \* grave) Second corn; empty i.e. flow = = -1 After deletion: Special coal: only and elemnt., i.e. from shear; after debtion, it becomes empty queve. 1 When value then we need to veret to que we Peset (queue) teting return value (4) Jeek (10Th-TYPLX queuc) Special cas: Capty. i.e. find z = ren ==-1. Veten -(; herm dulne ( front) Spend (ave: empty, do nothing.

Ubill (flower = beat local)

6) Keset ( DAGO\_TYPG & Come)

initialia ( guno)

logal funt ++