Wednesday, 31 March 2021 8:30 PM Gueves FIFO (ferst en ferst out) enqueue adding (SNs) Longueure 140); 30 40 50 Lenqueux (20); Lenquere (30) / dequeue() dequeuel) enqueue (40); enquero (50) Queue Implementations: Amays Circular arrays 0(1), 0(1) Link od hist User programmer J. enqueue (10); 9. enqueux (20); ~ 9. enquere (40); size = 4 341=4 ~ q. enquere (50); -> 9. dequeue (); → 9. enqueur (60); , rv= 30 9- enqueur (20)? 9. Lequeur (); 5 % size of array -> 0 6%5 are - 1 7%5 - 2 If (size = = dr. length) Linked List add at head()
remove at last (); → 9. enqueue (10); →9. enquere (20); -9. enquere (30); q. dequeur (), -, 9. enqueue (40); Jueurs linkedhil Amays enqueve oli) 0(1) dequeve 0(1) O(n) x tool 0(1) V tail operations optimised takes less space - not perible linked he'l Pro: complexity >9. enqueue (20); > 9. dequeue (3) 9- enguel (30); - 9. enguas ((10)). > 9. inquer (50); Quere Deque [DS] getfist() -> getlast (); -> semon Fixt(); - semore (ast()) -> addfirst () - add last () ; Implementations (1) arroys (2) dowby linked hist queue S. push (10); > 5. push (20); >> 5. pueh (30); Size ++; 91. enquelle (); 100 () § while (91. size = 1) & 92. enque (91. dequerc ()) 3 int rv= 91. dequeur ();

91=92 92 = new Quene ();