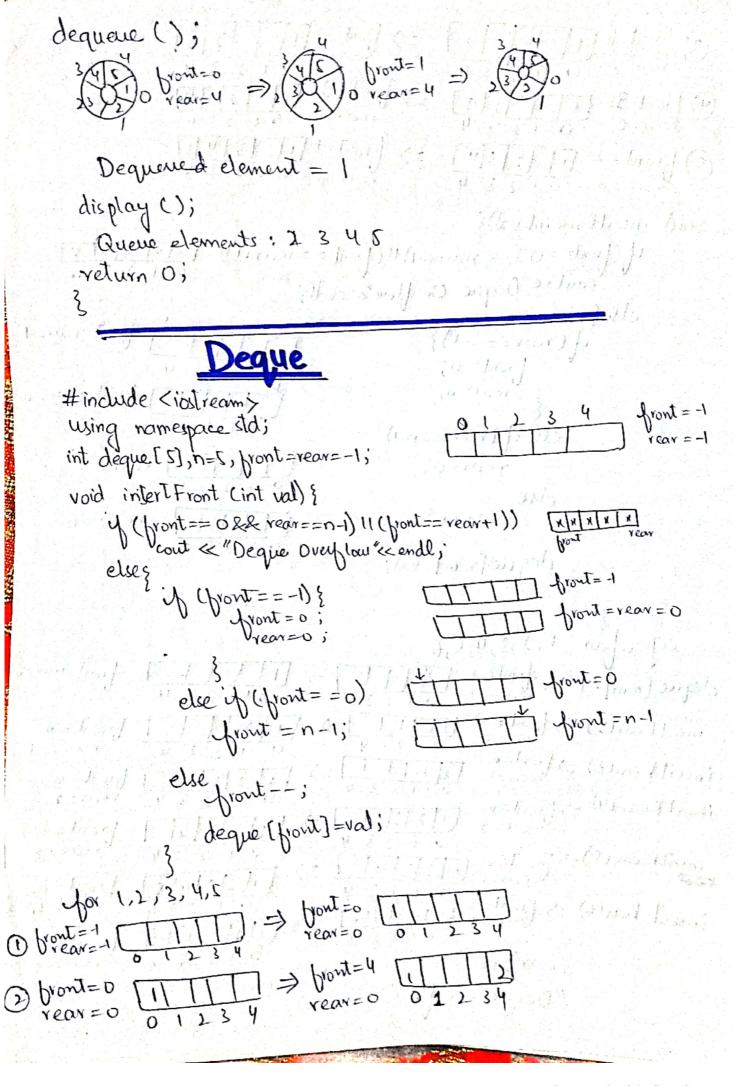
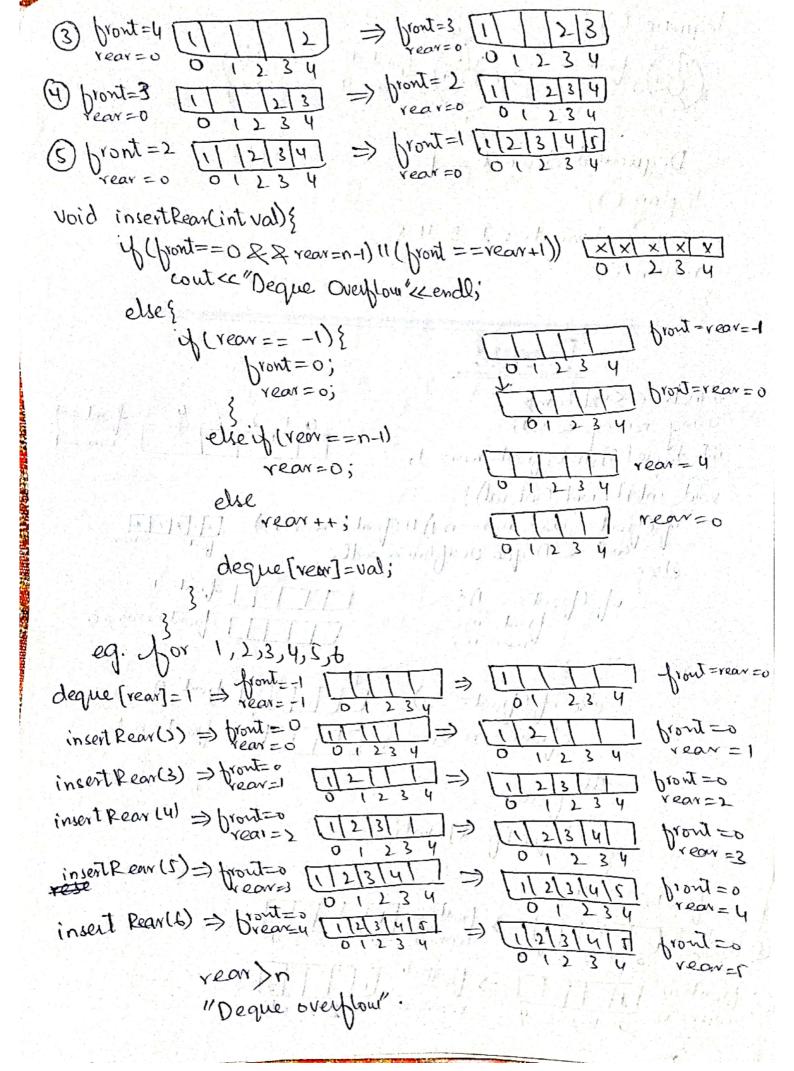
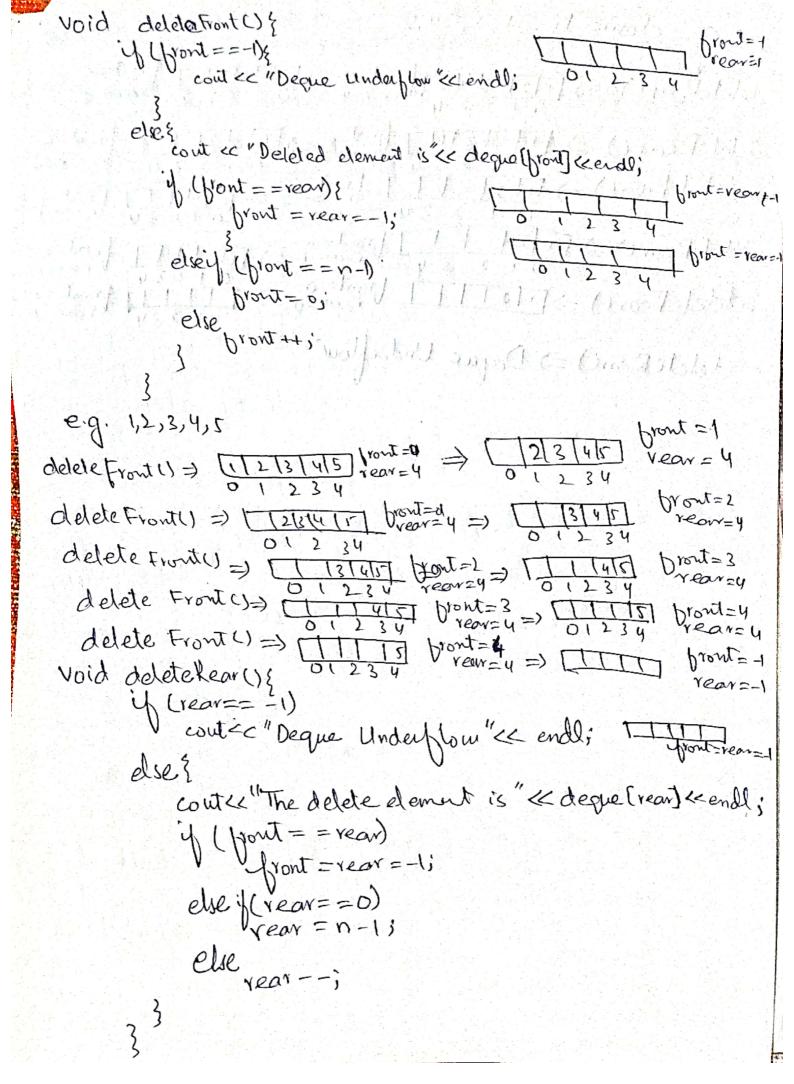
机基子基本指导设计等于 Hssignment # 3 layba Asghan Submitted SPIZ-BCS-077 Judget lev Registration No. Mam Yasmeen Jana Section - B Section Queul #include <iostream> #include < stack> using namespace std; int queue [5]; N=5 int front= -1, rear=-1, void enqueue (int x) } ((rear + 1) % N = = \front) { cout « "Queue is full "keendl; elses if (front = = -1 & rear = = -1) } o front=0, rear=0 elses rear = (vear +1)% N; x) 0 front = rear = 0 queue [rear] = N; void deque ue () { y (front = = -1 && rear = -1){ cout« "Queue is empty « end); elseif (front=rear) { conte "Dequered element = « queuer prontkend!; brown = rear = 0

else { cont << "Dequeued element= << queue [yout] exend);

front = (front +1) % N; void display () & int i = front; 4 (front == -1 && rear = = -1) { cont «"Queue is empty " « endl; } else { conta "Queue elements:"; while (i!=rear)} cont cc queue si] cc " "; i = (i+1) 0/01/3 3 cout « queue [rear] « ends; int main () } enquere (1); front=rear=-1 front=rear=0 rear[0] =1 enqueue (1); front =0 rear = 1 prontzrear=0 Year [1] = 2 enqueue (3); front = 0 rear = 1 Year (2) = 3 pront=0 1) 0 browl=0 => 1 (3) rear = 3 rear[3]= 4 enqueu (5); brond=0 rear= 4 rear(4)=5







e.g. elements = 1,2,3,4,5 deleterour() => [1/2/3/4/5] pront=0 => [1/2/3/4/] front=0 01234 prear=4 => [1/2/3/4/] front=0 vear=3 deleterear() =) [1/2/1 2 3 4 browt=0 = 1 =) [1] deletelear() >[12] delete Rear() => Deque Underflow