Mir Ahmed

+clearRing(): void

last, int k): void

+moveToKthLargestDNA(int first, int

WeighableInterFace RingInterface Pure Virtual Methods getWeight() const = 0 : double Virtual Methods + set(const DNA& value) : void + get(): DNA +getReferenceIndex() const : int + remove(): bool + moveReference(int) : void Weighable + moveNext(): void +getElementCount() const : int Attribute +getRingSize() const : int -getWeight(): double +clearRing(): void +moveTokthLargestDNA(int first, int last, int k): void 0..* Ring DNA Attributes - DEFAULT_RING_SIZE: int Attributes - n: int - elements: DNA* -sequence: string -weight: double - isElementsStroed: bool - referenceIndex- int Methods Methods +DNA(): Default Constructor +Ring(): default constructor +DNA(const string& str): expilict constructor +Ring(int): explicit constructor +sequenceValidation(const string& str): bool + set(const DNA&) : void +isEmpty(): bool + get(): DNA +setSequence(const string& str): void + getReferenceIndex() const : int +setWeight(const string& str): void + remove(): bool +getSequence() const : string + moveReference(int) : void +getWeight(): double +operator=(const DNA& right): DNA& + moveNext(): void +printBrief(): void +movePrevious(): void +clear(): void +getElementCount() const : int +getRingSize() const : int