K-DA LIBRARY

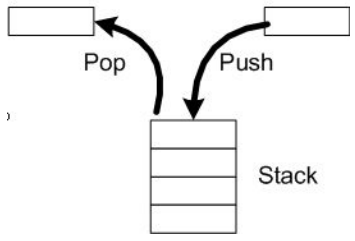
Review

Problems of the previous presentation

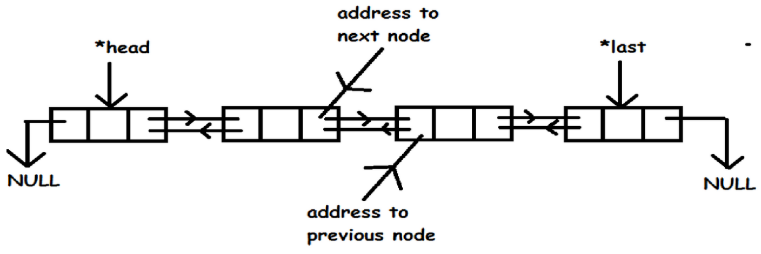
- Kinect-data
- Speed analysis

Data structures to implement

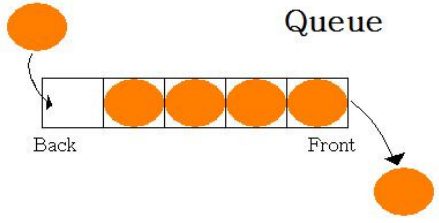
- Stack



- Double linked list



- Queue

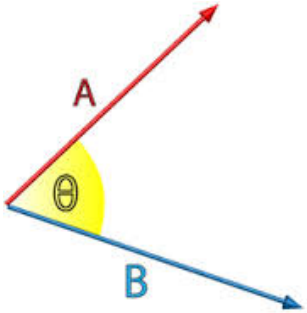


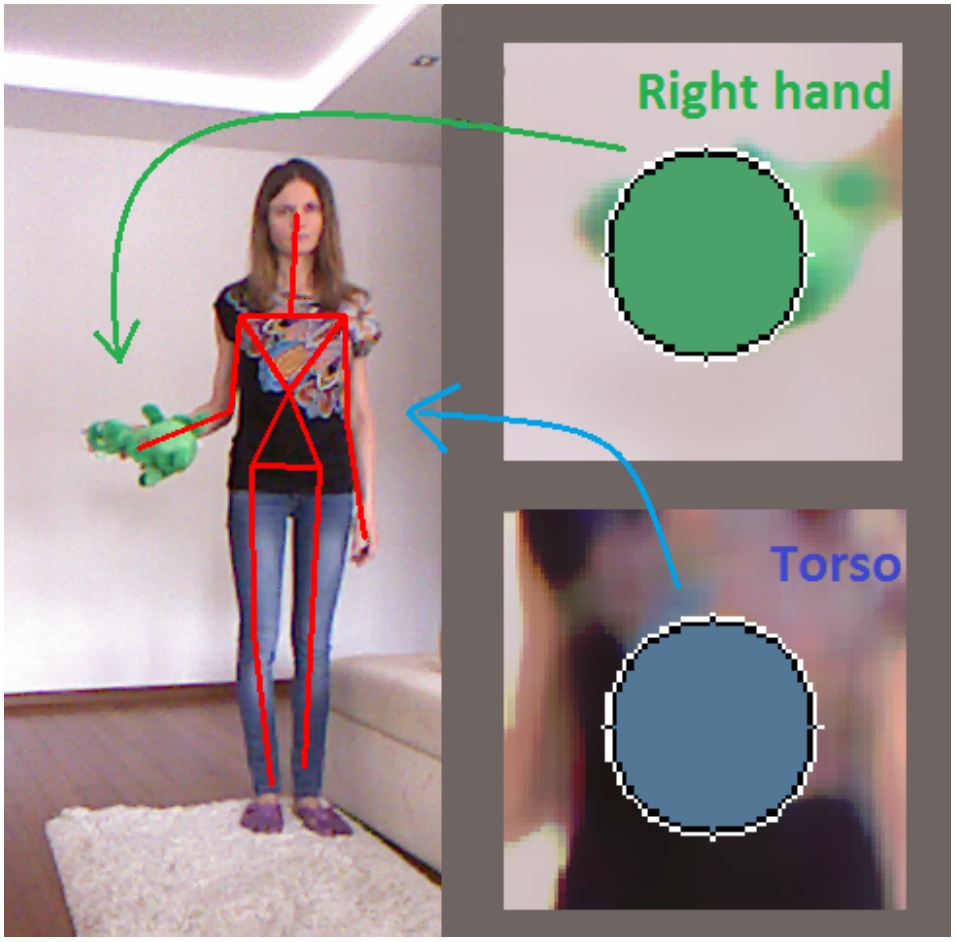
Complexity Analysis

Data Estructure	**Storage**	**Using the methods**
Stack	O(1)	O(n)
Linked list	O(1)	O(n)
Queue	O(1)	O(n)

Class conversion

- convertir(string pjoint1, string pjoint2, int n);
- llenarArregloAngulos();
- getArregloAngulos();





$$\vec{A} \cdot \vec{B} = A\,B\cos\theta$$

Class compara

- sacapromedios(double arreglo);
- arreglo_promedio(double arreglo_prom1, double arreglo_prom2);

sacapromedios

Array recibido:

$[n, k, ..., l, m]$

Array retornado:

$[prom(n, k, ..., l, m)]$

arreglo_promedio

Array recibido:

$[prom(n1, k1, ..., l1, m1)]$

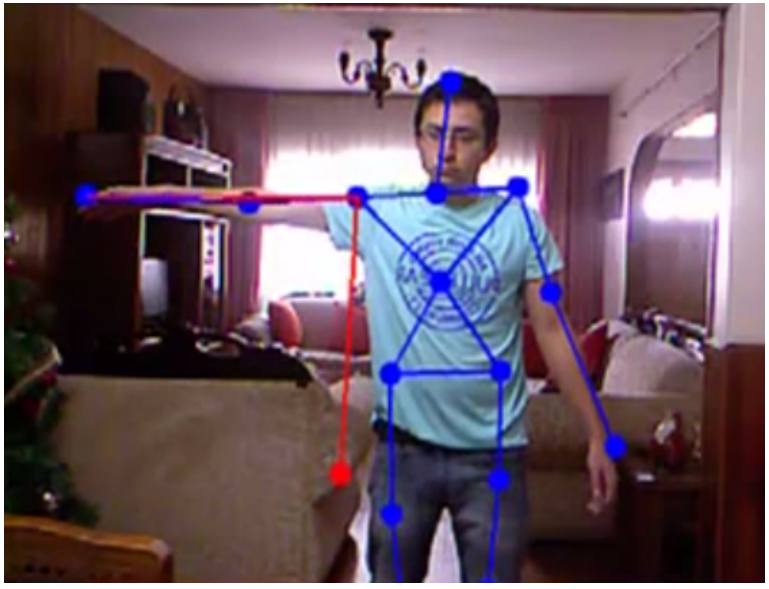
$[prom(n2, k2, ..., l2, m2)]$

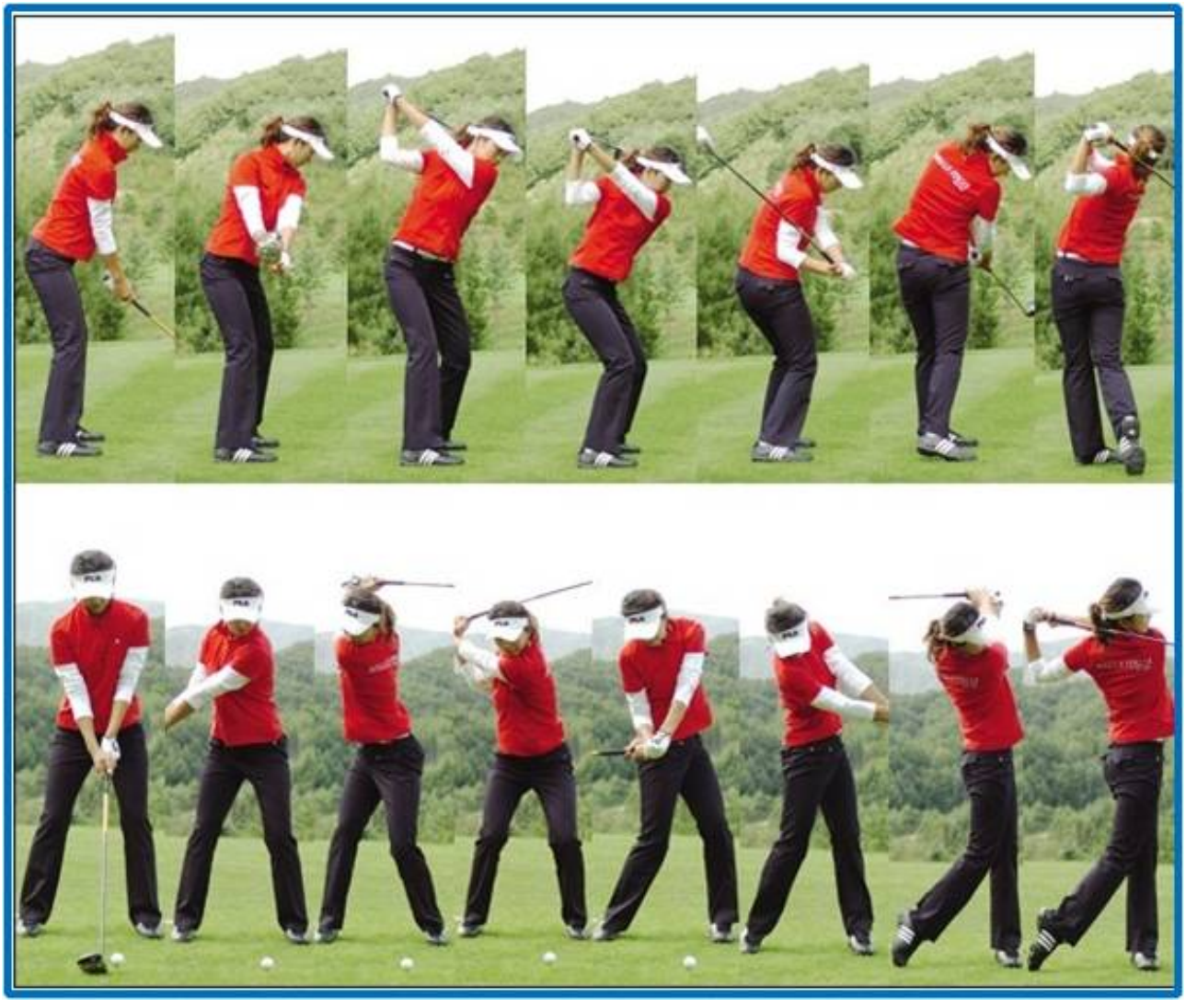
Array retornado:

$[1, 0, 0, 1, 0, 1, 1, 0, 1, 1]$

Class compara

- comparar_angulos(int promedio);
- comparar_velocidad(int pSizeMov1, int pSizeMov2);





Gracias