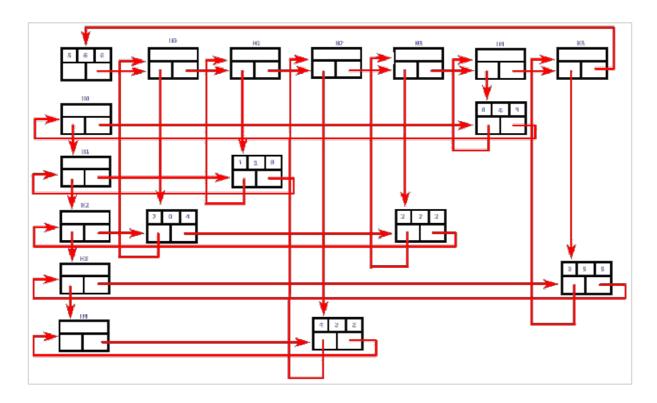
CS2100-Esparza

#CS2100/groups

Work

Realizar la implementación de una matriz esparza. Usando vector y listas circulares.



Example Code

```
private:
    Node<T>* x;
    Node<T>* y;
    int columns;
    int rows;
};
```

Mandatory: (20pts) and Extra: (4pts c/u)

```
int main( int, char * [])
{
    Matrix<double> m1;
    m1 \ll (2,0,0) \ll (8,0,1) \ll (6,1,0) \ll (100,2,20); // Insert
    cout << m1 << endl; // print in console</pre>
    m1 >> (100,2,20); // delete
    Matrix<double> m2 = Matrix<double>::identity(100,100);
    ofstream _out("res.txt");
    _out << m2 << endl; // print in file
    _out.close();
    cout << mult(m1 * m2) << endl; // mutiplication</pre>
    cout << add(m1 + m2) << endl; // addition</pre>
    cout << transpose(m1) << endl; // transpose</pre>
    cout << inv(m1 * m2) << endl; // Inversa - Extra!</pre>
    // Cargar desde imagen - Extra (Usar CImg.h)
    Matrix<double> m_image = load_from_image("myimage.jpg");
    m_image = transpose(m_image;
    ofstream _out_i("res.txt");
    _out_i << m_image;
    _out_i.close()
```

```
return 1;
}
```

Tooling

- Lenguaje C++
- Git + GitFlow + Karma Comments
- Branch per Developer
- Si el código no compila se calificara sobre 11.
- Evitar warnings
- Código limpio → Keep it short and simple.

Help!

• Usemos el canal de Slack! (https://bit.ly/2LYbIbh)