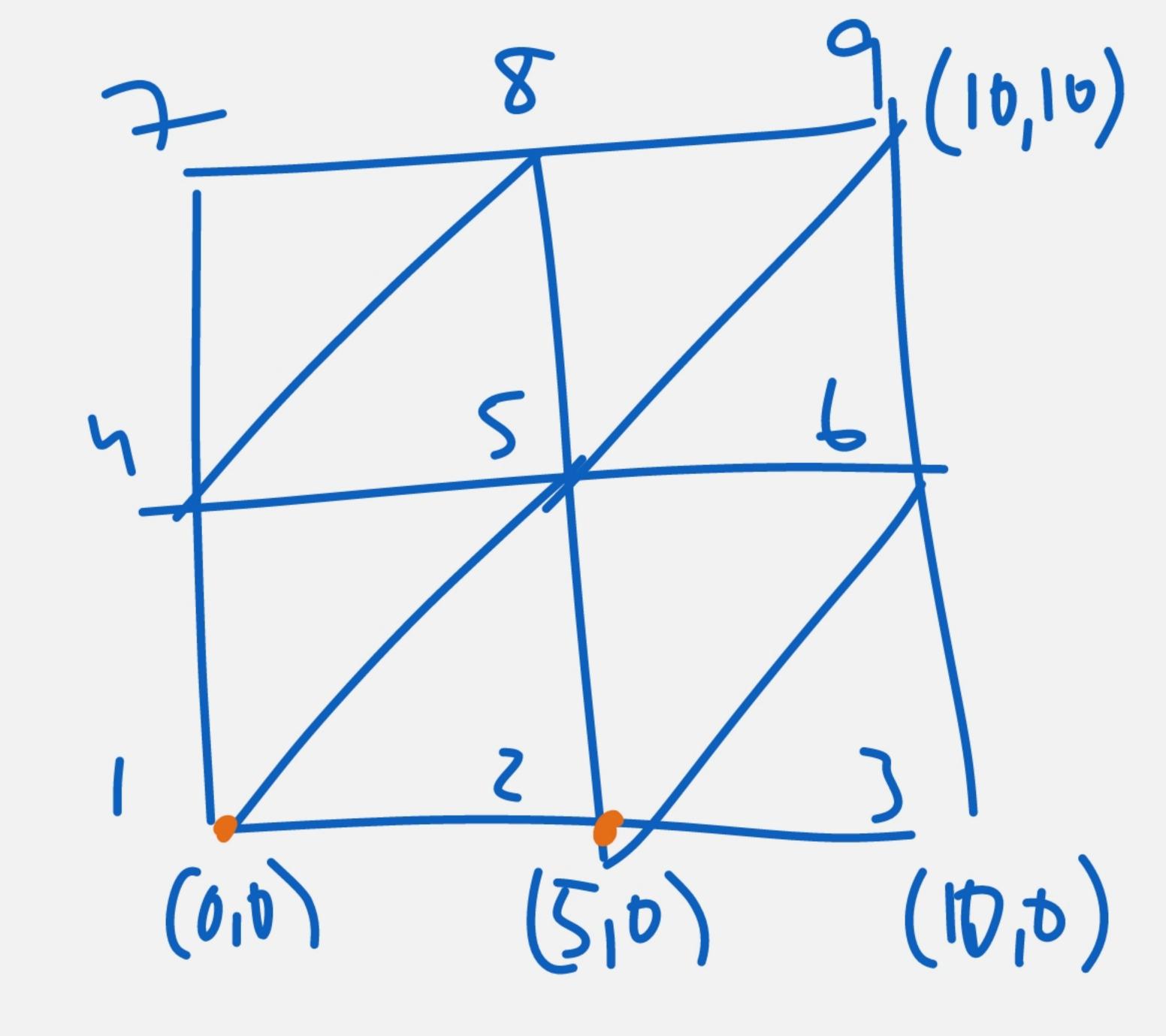
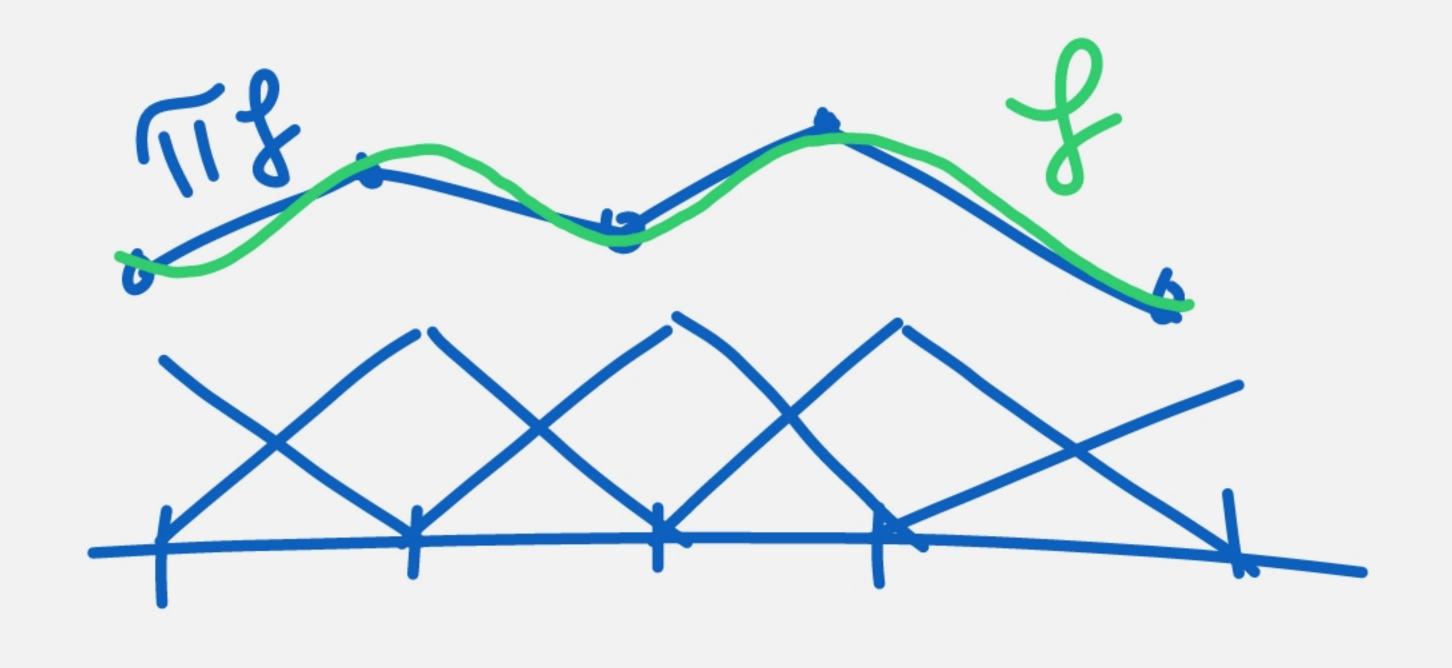
Demo

Tenta 2023-05-29





$$f(x,y) = (x-y)$$

$$Th f(x,y) = \sum_{i=1}^{n} F_{i}(x,y)$$

$$||F||^2 = 2F^2 = 15 + 100 + 25 + 25 + 100 + 25$$

2021-05-25

$$A.11 = (-x-y) \begin{bmatrix} 1 \\ 2 \end{bmatrix} + x \begin{bmatrix} 2 \\ 3 \end{bmatrix} + y \begin{bmatrix} 2 \\ 1 \end{bmatrix}$$

$$= \begin{bmatrix} 1-x-y+2x+2y \\ 2-2x-2y+3x+y \end{bmatrix} = \begin{bmatrix} 1+x+y \\ 2+x-y \end{bmatrix}$$

$$= \begin{bmatrix} 1 - x - y + 2x + 2y \\ 2 - 2x - 2y + 3x + y \end{bmatrix} = \begin{bmatrix} 1 + x + y \\ 2 + x - y \end{bmatrix}$$

$$= 7 F_{K}' = \begin{bmatrix} 1 \\ 1 - 1 \end{bmatrix} \Rightarrow \det F_{K}' = 1 \cdot H - 1 \cdot 1 = -1 - 1 = -2$$

C.2 Styrhetsmatris (för Poissons ekvation)

Stynetsmaths (for Tolsson) elevation (6,7)
$$A_{ij} = \int \nabla \ell_i \cdot \nabla \ell_j \, dx$$

$$A_{23} = \int \nabla \ell_2 \cdot \nabla \ell_3 \, dx = \int \frac{-1}{25} \, dx = \frac{-1}{25} \frac{\cancel{5} \cdot \cancel{7}}{\cancel{2}}$$

$$A_{23} = \int \nabla \ell_2 \cdot \nabla \ell_3 \, dx = \int \frac{-1}{25} \, dx = \frac{-1}{25} \frac{\cancel{5} \cdot \cancel{7}}{\cancel{2}}$$

$$= \frac{-7}{10} = -0.7$$

$$= \frac{-7}{10} = -0.7$$