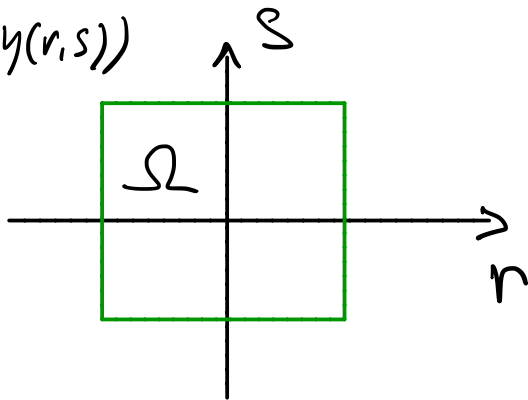


$$(x, y) = (x(r, s), y(r, s))$$



$$u(x, y, t) \approx \sum_k \sum_l c_{kl}(t) P_k(x) P_l(y)$$

for all elements

$$\int_{\Omega_j} \phi u_t - (\nabla \phi)^T \bar{F}(u) d\Omega_j = - \int_{\partial \Omega_j} \bar{n} \cdot \bar{F}(u)^* dS$$