- **Inhomogene RB 3. Art:**

$\int_{\Gamma_3} g_3 p^{(\alpha)} ds \xrightarrow{\oplus} f^{(\alpha)} \longrightarrow \hat{f}_h$ analog zu RB 2. Art

$\int_{\Gamma_3} \alpha(x) p^{(i)}(x) p^{(k)}(x) ds \xrightarrow{\oplus} \hat{K}_{ki} \longrightarrow \hat{K}_h$

Def. $E_{3,h} := \{ e_3 \subset \partial\delta_r \cap \Gamma_3 : \text{RB 3. Art} \}$

```
FOR e_3 ∈ E_{3,h} DO
   FOR α ∈ A_{e_3} ⊂ A = {1, 2, 3} DO
      FOR β ∈ A_{e_3} ⊂ A = {1, 2, 3} DO
         * compute K_{αβ}^{(e_3)} := ∫_{e_3} α(x) p^{(e_3,α)}(x) p^{(e_3,β)}(x) ds
                                  = ....
         * determine
               i := i(e_3, α) = i(r, α)
               j := j(e_3, β) = j(e_3, β)
         * update K̂_{ij} := K̂_{ij} + K_{αβ}^{(e_3)}
      ENDFOR
   ENDFOR
ENDFOR
```

Bsp: $E_{3,h} = \{ ①-②, ②-③, ③-④, ⑤-⑤ \}$

(unter den Knoten: 1 2, 1 2, 1 2, 1 2)