① $GAIC_1[n_0] = \ln\left(\lambda^2[n_0]\right) + \frac{2n_0}{N}\sqrt{N}$

- Implementare: - directă, așa cum se vede.

② $GAIC_2^{n_a,n_b}[\;] = \ln\left(\lambda^2[n_a,n_b]\right) + \frac{2(n_a+n_b)}{N}\sqrt{N}$

- Implementare:

GAIC_R2: $\ln\left(\lambda^2[n_a,n_b]\right) + 2\sqrt{N}\left(\begin{matrix}0&0&\cdots&0\\1&1&\cdots&1\\ n_a+1 & n_a+2 & \cdots & n_a+n_b\end{matrix}, \begin{matrix}0&1&\cdots&n_b-1\\0&1&\cdots&n_b-1\\ \vdots&\vdots&&\vdots\\0&1&\cdots&n_b-1\end{matrix}\right)$ (n_a rânduri)

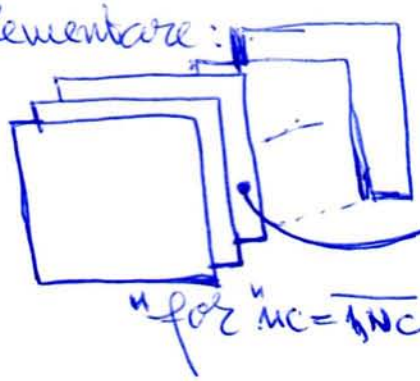
③ $GAIC_3^{n_a,n_b,n_c}[\;] = \ln\left(\lambda^2[n_a,n_b,n_c]\right) + \frac{2(n_a+n_b+n_c)}{N}\sqrt{N} =$

$= \ln\left(\lambda^2[n_a,n_b,n_c]\right) + 2\frac{\sqrt{N}}{N}\cdot n_c + \frac{2(n_a+n_b)}{N}\sqrt{N} =$

$= \underbrace{\ln\left(\lambda^2[n_a,n_b,n_c]\cdot e^{2n_c/\sqrt{N}}\right) + \frac{2(n_a+n_b)}{\sqrt{N}}}$

"$GAIC_2$" pt. fiecare n_c

- Implementare:



④ $GAIC_4[n_b,n_c,n_d,n_f] = \ln\left(\lambda^2[n_b,n_c,n_d,n_f]\right) + \frac{2(n_b+n_c+n_d+n_f)\sqrt{N}}{N}$

$= \ln\left(\lambda^2[n_b,n_c,n_d,n_f]\right) + \frac{2n_f}{\sqrt{N}} + \frac{2(n_b+n_c+n_d)}{\sqrt{N}}$

$= \underbrace{\ln\left(\lambda^2[n_b,n_c,n_d,n_f]\cdot e^{2n_f/\sqrt{N}}\right) + -\!\!-}$

"$GAIC_3$" pt. fiecare n_f

- Implementare:

```
for nf = 1:Nf
[Nb,Nc,Nd,G] = GAIC_R3(L(:,:,:,nf) *
                * exp(((nf-1)/sqrt(N)),N);
nb = [nb Nb]; nc = [nc Nc]; nd = [nd Nd];
GAICR = cat(4, GAICR, G)
Gmin = [Gmin G(Nb,Nc,Nd)];
end;
```

```
[Gmin, nf] = min(Gmin);
nb = nb(nf);
nc = nc(nf);
nd = nd(nf);
```