

The structure of data files

Number of parts = I

Number of machines = M

Number of materials = K

Machine_data:

| | | | | | | | | | | | | | | | | | |
|------------------|-----|------------------|-----|------------------|-----|------------------|------------------|-----|------------------|--------------|-----|--------------|--------------|-----|--------------|--------|--------|
| $\delta_1^{1,1}$ | ... | $\delta_1^{1,K}$ | ... | $\delta_1^{K,1}$ | ... | $\delta_1^{K,K}$ | $\delta_1^{0,1}$ | ... | $\delta_1^{0,K}$ | Γ_1^1 | ... | Γ_1^K | Ω_1^1 | ... | Ω_1^K | BH_1 | BA_1 |
| . | . | . | . | . | . | . | | . | . | . | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | | . | . | . | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | | . | . | . | . | . | . | . | . | . | . |
| $\delta_M^{1,1}$ | ... | $\delta_M^{1,K}$ | ... | $\delta_M^{K,1}$ | ... | $\delta_M^{K,K}$ | $\delta_M^{0,1}$ | ... | $\delta_M^{0,k}$ | Γ_M^1 | ... | Γ_M^K | Ω_M^1 | ... | Ω_M^K | BH_M | BA_M |

Part_data:

| | | | | | |
|--------|--------|--------|--------|-------|--------|
| HP_1 | AP_1 | VP_1 | MT_1 | D_1 | TP_1 |
| . | . | . | . | . | . |
| . | . | . | . | . | . |
| . | . | . | . | . | . |
| HP_I | AP_I | VP_I | MT_I | D_I | TP_I |