O_M_T-Cap: Machine capacity per period.

O_M_T-Cost: setup cost, production cost and inventory holding cost for each operation per period.

zs_{111} zs_{121}	$zp_{111}\\zp_{121}$	$zh_{111} \ zh_{121}$		$zs_{11T} \ zs_{12T}$	$zp_{11T} \ zp_{12T}$	$zh_{11T} \ zh_{12T}$
•	•	•	• • • •	•	•	•
•	•	•		•	•	•
zs_{1h_11}	zp_{1h_11}	zh_{1h_11}		 zs_{1h_1T}	zp_{1h_1T}	zh_{1h_1T}
zs_{211}	zp_{211}	zh_{211}		zs_{21T}	zp_{21T}	zh_{21T}
•	•	•		•	•	•
•	•			•	•	•
zs_{1h_J1}	zp_{1h_J1}	zh_{1h_J1}		$zs_{1h_{J}T}$	zp_{1h_JT}	zh_{1h_JT}

O_M_T- Machine: Eligible machine number per operation.

O_M_T- PT: Lower and upper bound for processing time per operation.

O_M_T- Dem: Nominal mean and standard deviation of the demand per job.

 $\begin{array}{cccc} d_1 & & vd_1 \\ \cdot & & \cdot \\ \cdot & & \cdot \\ d_j & & vd_j \\ \cdot & & \cdot \\ \cdot & & \cdot \\ d_J & & vd_J \end{array}$

O_M_T- ST: Sequence dependent setup time.

δ_{1111}	δ_{1112}		δ_{11Jh_J}
δ_{1211}	δ_{1212}		δ_{12Jh_J}
	•		•
•			•
δ_{jo11}	δ_{jo12}		δ_{joJh_J}
	•		
•	•		•
δ_{Jh_J11}	$\delta_{Jh_{J}12}$		$\delta_{Jh_JJh_J}$