

LIST OF SYMBOL

Symbol Notation	Description	Firstly Appears On Page
$f(x)$: <i>Probability mass function</i>	
$F(x)$: <i>Cumulative distribution function</i>	
S	: Maximum Inventory Level	
SS	: <i>Safety stock</i>	
R	: <i>Review Interval</i>	
L	: <i>Lead time</i>	
m	: <i>Fixed lifetime</i>	
\bar{D}	: Average Demand	
k_{sl}	: Service level probability in normal distribution table	
μ_{R+L}	: average customer demand at R+L	
σ_{R+L}	: standard deviation of customer demand at R+L	
d_{R+L}	: demand in period R + L with probability function $f_{R+L}(d_{R+L})$	
E_o	: Expected inventory expiration	
E_s	: Expected shortage of inventory	
EAC	: Expected total inventory cost	
EOC	: Expected total ordering cost	
EHC	: Expected total holding cost	
ESC	: Expected total shortage cost	
ERC	: Expected total expiration cost	
K	: Fixed ordering cost	
C	: Replenishment cost	
h	: Holding cost	
P	: Shortage cost per item	
W	: Expired cost	
Q	: optimal order quantity	

Symbol Notation	Description	Firstly Appears On Page
I_p	: Remaining inventory	
s	Reorder point	
G	Inventory Capacity	