## Selecting an Investment Portfolio

Formula for Return, 
$$R = \frac{D}{P_o} + 9$$

## Source: Financeformulas.net

Return on 
$$S_1 \Rightarrow R_{S_1} = \frac{2}{40} + 0.05 = 0.1$$

$$R_{S3} = 0.073$$

## OBJECTIVE FUNCTION;

Maximum  $Z = 0.1 X_{s_1} + 0.13 X_{s_2} + 0.073 X_{s_3} + 0.09 X_{HI}$ 

$$X_{S1} + X_{SL} + X_{S2} + X_{HI} + X_{HL} + X_{HL} + X_{CI} + X_{CL} = 2500000$$
 $X_{S1} + X_{SL} + X_{SS} \leq 1000000$ 
 $X_{HI} + X_{HL} + X_{HL} \leq 1000000$ 
 $X_{CI} + X_{CL} \leq 1000000$ 
 $X_{S1} \geq 1000000$ ;

 $X_{S2} \geq 1000000$ ;

 $X_{HI} \geq 1000000$ ;

 $X_{HI} \geq 1000000$ ;

 $X_{HI} \geq 1000000$ ;

 $X_{HI} \geq 1000000$ ;

 $X_{CL} \geq 1000000$