Parameterization  $\beta_0$   $\beta_1$   $\beta_2$   $\beta_3$  E(salary | Year, Sex) = |8223-57|Sex +74! Year+169 Year x Sex <math>Year=0, Male,  $|8223=J_0+2J_1| \Rightarrow J_0=|708|$  Year=0, Male,  $|8223-57|=J_0+J_1| \Rightarrow J_0=|708|$   $Sex=\int_{1}^{\infty} female$  Female,  $|8223-57|=J_0+J_1+J_3+2J_4$  Year=1, Male,  $|8223+74|=J_0+2J_1+J_3+2J_4$  Year=1, Male,  $|8223-57|+74|+|69=J_0+J_1+J_2+J_3$  Year=1, Male,  $|8223-57|+74|+|69=J_0+J_1+J_2+J_3$  Year=1, Year=1, Male,  $|8223-57|+74|+|69=J_0+J_1+J_2+J_3$  Year=1, Y

Old: Male E(SIT, Sex)=18223+741 × Year Female E(SIT, Sex)=18223-571+74 | Year + 169Year=17652+910Year

New: Male E(SIY, Sex)=17081 +2x571+1079 Year -2x69 Year =18223+741 Year

Remark: E(S)Y, Sex)=17081+571-1079-169 Year=17652+910 Year