Chains and trees

Refactoring the full adder
"Refactoring" the full adder

Generalizing Propagate and Generate
Generalizing Propagate and Generate

\[ P_{0:1} = P_0 \& P_1 \]

\[ G_{0:1} = G_1 \lor (P_1 \& G_0) \]

\[ P_{n:m} = P_{n:(k-1)} \& P_{k:m} \]

\[ G_{n:m} = G_{k:m} \lor (P_{k:m} \& G_{n:(k-1)}) \]

\[ C_m = G_{n:(m-1)} \lor (P_{n:(m-1)} \& C_n) \]