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Credit Risk Management – Assignment #1

Below is the output produced from compiling and running all of the C++ code included in this submission. This is not the output for the overall project – only this section. Please see the Jupyter notebook and the report for the final presentation for the entire project.

bond prof0 market px: 0.956913

bond prof0 implied pd per year for this maturity: 0.0572271

bond prof1 market px: 0.912338

bond prof1 implied pd per year for this maturity: 0.074348

bond prof1 intermediate implied pd per year between yrs 3 and 5: 0.104908

GE1 yield: 0.034297

GE1 implied pd: 0.0212192

GE3 bond yield: 0.0260877

GE3 implied pd: 0.0162346

GE13 intermediate pd: 0.0136163

GE5 bond yield: 0.043464

GE5 implied pd: 0.0371634

GE35 intermediate pd: 0.0795522

A = AAPL:

A1 yield: 0.0257971

A1 implied pd: 0.0114393

A3 bond yield: 0.0165254

A3 implied pd: 0.000994527

A13 intermediate pd: 0.00436698

A5 bond yield: 0.0349321

A5 implied pd: 0.0268201

A35 intermediate pd: 0.0777127

A = TSLA:

A2 yield: 0.0118397

A2 implied pd: 0.00626101

A3 bond yield: 0.0233828

A3 implied pd: 0.0117387

A23 intermediate pd: 0.0145951

A5 bond yield: 0.0193879

A5 implied pd: 0.00515502

A35 intermediate pd: 0.00709085

A = MSFT:

A1 yield: 0.0289004

A1 implied pd: 0.0199685

A3 bond yield: 0.0232201

A3 implied pd: 0.0103892

A13 intermediate pd: 0.00639242

A5 bond yield: 0.0276799

A5 implied pd: 0.0176101

A35 intermediate pd: 0.0449971

A = GS:

A1 yield: 0.0275043

A1 implied pd: 0.0170635

A3 bond yield: 0.0322016

A3 implied pd: 0.0222886

A13 intermediate pd: 0.0245116

A5 bond yield: 0.0385788

A5 implied pd: 0.0333177

A35 intermediate pd: 0.0767055