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```
//Calculate Valuation Types
Set<ValuationType> valuationTypes = leg.getAllQuoteConventions().stream()
    .flatMap(quoteConvention -> levelTypes.stream().map(levelType ->
        ImmutablePair.of(quoteConvention, levelType)))
    .map(quoteConventionAndLevelType ->
        ValuationType.from(quoteConventionAndLevelType.getKey(),
            quoteConventionAndLevelType.getValue(), direction))
    .filter(Optional::isPresent)
    .map(Optional::get)
    .collect(toSet());
```



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ADDITIONAL
DETAILS

```
#ifdef FP_FAST_FMA
    double2 data = fma(u01_f2, convert_double2(uniform), u01_h2);
#else
    double2 data = u01_f2 * convert_double2(uniform) + u01_h2;
#endif
double r = sqrt(-2.0 * log(data.s0));
double cosValue;
data.s0 = sincos(2 * M_PI * data.s1, &cosValue);
data.s1 = cosValue;
return (double2)(r) * data;
```

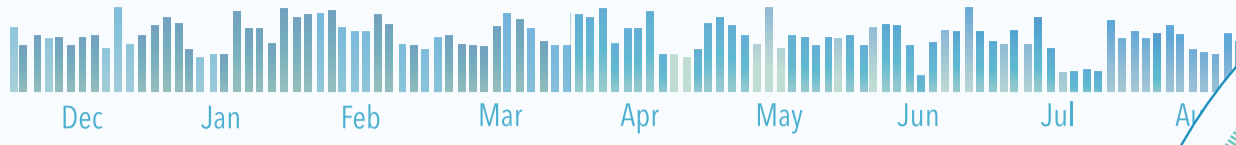
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