```
> clang++-7 -pthread -std=c++17 -o main main.cpp
> ./main
B1: 1.234567891234e36
B2: 1.234567891234e36
MAX: 2147483647

Press Enter to continue...

B1: 12345678912345678912345678912345678912345678

Press Enter to continue...

goldRabbits(0) = 1
goldRabbits(1) = 1
goldRabbits(2) = 2
goldRabbits(3) = 3
goldRabbits(4) = 5
goldRabbits(5) = 8
goldRabbits(6) = 13
goldRabbits(7) = 21
goldRabbits(56) = 365435296162
goldRabbits(57) = 591286729879
goldRabbits(58) = 956722026041
goldRabbits(59) = 1.548008755920e13
goldRabbits(60) = 2.504730781961e13
goldRabbits(61) = 4.052739537881e13
goldRabbits(62) = 6.557470319842e13
goldRabbits(63) = 1.061020985772e14
goldRabbits(64) = 1.716768017756e14
goldRabbits(65) = 2.777789003528e14
goldRabbits(66) = 4.494557021285e14
goldRabbits(2994) = 3.702521137103e626
goldRabbits(2995) = 5.990805043897e626
goldRabbits(2996) = 9.693326181000e626
goldRabbits(2997) = 1.568413122489e627
goldRabbits(2998) = 2.537745740589e627
goldRabbits(2999) = 4.106158863079e627
goldRabbits(3000) = 6.643904603669e627
Press Enter to continue...

This is the value of goldRabbits(3000)

6643904603669600722802178478660283842441635124527832594055797655426212141612192573964498109829998203911322268028094651324463493
3199440943492601904534272374918853031699467847355132063510109961938297318162258568733693978437352789755489486841726131733381434
0129175622450421605101025897173235990662770203756438786517530547101123748849140252686120104032647025145598956675902135010566909
7831249594364698255583142897013542271517846028657107806246751070565698228205428466603218138388962758197532813714918090044122191
2485637512169481172872421366781457732661852147835766185901896731335484017840319755996905651079170985914417330436489801

Press Enter to continue...
The value of goldRabbits(500) is: Overflow Error - goldRabbits overflowed using 47
```