**Introduction to Programming EE2310 Homework 2-1**

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**Problem**

Use float and double to test the formula below:

**Program Flow & Structure**

int main()

→ cin : float f\_u&f\_v (Line 9

→ calculate f\_T1&f\_T2 in float (Line 10~11

→ cin : double d\_u&d\_v (Line 16

→ calculate d\_T1&d\_T2 in double (Line 18

→ return 0

**Discussion**

* When u and v are bigger than the limit of float, it will generate overflow, and cause the value incorrect. But double can save the value correctly. The difference between the value range of float and double causes the difference when we input numbers that exceeded the limit of float.

**Output Result**



